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Introduction

The *Colorado Register* is published pursuant to C.R.S. 24-4-103(11) and is the sole official publication for state agency notices of rule-making, proposed rules, attorney general's opinions relating to such rules, and adopted rules. The register may also include other public notices including annual departmental regulatory agendas submitted by principal departments to the secretary of state.

"Rule" means the whole or any part of every agency statement of general applicability and future effect implementing, interpreting, or declaring law or policy or setting forth the procedure or practice requirements of any agency. "Rule" includes "regulation". C.R.S. 24-4-102(15). Adopted rules are effective twenty days after the publication date of this issue unless otherwise specified.

The *Colorado Register* is published by the office of the Colorado Secretary of State twice monthly on the tenth and the twenty-fifth. Notices of rule-making and adopted rules that are filed from the first through the fifteenth are published on the twenty-fifth of the same month, and those that are filed from the sixteenth through the last day of the month are published on the tenth of the following month. All filings are submitted through the secretary of state's electronic filing system.

For questions regarding the content and application of a particular rule, please contact the state agency responsible for promulgating the rule. For questions about this publication, please contact the Administrative Rules Program at rules@sos.state.co.us.

Notice of Proposed Rulemaking

Tracking number

2019-00409

Department

700 - Department of Regulatory Agencies

Agency

707 - Division of Professions and Occupations - Board of Chiropractic Examiners

CCR number

3 CCR 707-1

Rule title

COLORADO STATE BOARD OF CHIROPRACTIC EXAMINERS RULES AND REGULATIONS

Rulemaking Hearing**Date**

09/19/2019

Time

09:00 AM

Location

1560 Broadway, Room 110D, Denver, CO 80202

Subjects and issues involved

The purpose of the proposed changes to Rules 6, 7, and 11 are to correct an incorporation by reference error; conduct general rule clean up; and remove the title Chiropractic Physician, as the term physician is protected under the Colorado Medical Practice Act.

Statutory authority

12-33-107(1)(a) and 24-4-103, C.R.S.

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DEPARTMENT OF REGULATORY AGENCIES

Board of Chiropractic Examiners

COLORADO STATE BOARD OF CHIROPRACTIC EXAMINERS RULES AND REGULATIONS

3 CCR 707-1

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

1. Rule 6 Electrotherapy Authority

- A. Electrotherapy/Physiotherapy certification is required prior to any licensee practicing electrotherapy/physiotherapy. Physiotherapy as used in these rules includes the theory, principles, and use of standard recognized physiotherapy equipment and procedures. ~~is defined as content outlined in the National Board of Chiropractic Examiner's Physiotherapy Test Plan and coursework taught at schools accredited by the the Council on Chiropractic Education.~~

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1. Rule 7 Scope of Practice

- A. Practices that are not within the scope of chiropractic practice and invoke the duty to refer provision in sSection 12-21533-1157(1)(aabb), C.R.S., include, but are not limited to:
1. Treatment of the disease cancer. This does not preclude screening and diagnostic procedures for the prevention and early detection of cancer or the chiropractic treatment of other concomitant conditions that the patient may have. In addition, a qualified chiropractor may collaboratively treat cancer in conjunction with, but not replacing, drugs, surgery, or chemotherapy.
 2. Obstetrics.
 3. Surgery.
 4. Administration of anesthetics, with the exception of topical or over-the-counter anesthetics.
 5. Prescription of drugs not referenced in Rule 1.7-C(C).
 6. Hypnosis unless used as a procedure to augment the treatment of the neuromusculoskeletal system and unless the practitioner presents evidence to the Board of having obtained education in hypnosis from an accredited college or Board approved program.
- B. A chiropractor must have the knowledge, skill, ability, and documented competency to perform an act that is within the chiropractic scope of practice. Procedures with specific clinical, didactic requirements and qualifications include, but are not limited to:
1. Paraspinal Surface Electromyography
 - a. Ten ~~(10)~~ hours of initial training with demonstrated competency.

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- b. Procedures may be delegated to a qualified technician and must be supervised and interpreted by an on-site qualified and licensed doctor of chiropractic.
 - c. Procedures must be performed in a manner consistent with generally accepted parameters, including any relevant standards of the Center for Communicable Diseases and meet safe and professional standards.
 - 2. Surface Electromyography excluding paraspinal, Nerve Conduction Velocity (NCV) and Needle Electromyography
 - a. One hundred and twenty ~~(120)~~ hours of initial clinical and didactic training with demonstrated competency in electromyography (paraspinal surface electromyography excluded).
 - b. Procedures may not be delegated to a technician and must be directly performed by a qualified and licensed doctor of chiropractic.
 - c. Procedures must be performed in a manner consistent with generally accepted parameters, including clean needle techniques, and standards of the Center for Communicable Diseases and meet safe and professional standards.
 - 3. Electrocardiography (EKG/ECG)
 - a. One hundred and twenty ~~(120)~~ hours of initial and related clinical with didactic training and demonstrated competency in cardiac medicine.
 - b. Procedures may not be delegated to a technician and must be directly performed by a qualified and licensed doctor of chiropractic.
 - c. Procedures must be performed in a manner consistent with generally accepted parameters, including any relevant standards of the Center for Communicable Diseases and meet safe and professional standards.
 - 4. Manipulation Under Anesthesia (MUA)
 - a. Thirty-six ~~(36)~~ hours of didactic and clinical training, successful completion of a competency examination, and nationally recognized certification.
 - b. Professional liability insurance coverage to specifically include MUA.
 - c. Procedures must be performed in a manner consistent with generally accepted parameters and standards of practice.
 - d. Procedures shall be performed at either an ambulatory surgical center or outpatient hospital facility.
 - e. The role of the chiropractor shall be limited to the scope of chiropractic practice as defined in sSection 12-~~21533~~-10~~32~~(~~41~~), C.R.S.
 - 5. Intramuscular stimulation/Dry Needling.
 - a. Dry needling is a physical intervention that uses a filiform needle to stimulate trigger points, diagnose and treat neuromuscular pain and functional movement deficits; requires an examination and diagnosis, and treats specific anatomic
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entities selected according to physical signs. Dry needling does not include the stimulation of auricular or distal points and cannot be presented as acupuncture.

- b. Dry needling as defined pursuant to this rule is within the scope of practice of chiropractic.
- c. A chiropractor must have an electrotherapy certification, knowledge, skill, ability and documented competency to perform an act that is within the chiropractor's scope of practice.
- d. To be deemed competent to perform dry needling, a chiropractor holding electrotherapy certification and acupuncture certification must meet the following requirements:

- (1)i. Document successful completion of a dry needling course of study including a minimum of twenty-four ~~(24)~~ hours of face-to-face IMS/dry needling course study; online study is not considered appropriate training.

- (2)ii. Practiced acupuncture as a licensed chiropractor for at least two ~~(2)~~ years prior to using the dry needling technique.

- e. To be deemed competent to perform dry needling a chiropractor with electrotherapy certification but without acupuncture certification must meet the following requirements:

- (1)i. Document successful completion of a dry needling course of study including a minimum of forty-six ~~(46)~~ hours of face-to-face IMS/dry needling course study; online study is not considered appropriate training.

- (2)ii. Practiced as a licensed chiropractor for at least two ~~(2)~~ years prior to using the dry needling technique.

- f. A provider of a dry needling course of study must meet the educational and clinical requirements in dry needling of a body recognized by the US Department of Education or similar agency of a foreign country and demonstrate a minimum of two ~~(2)~~ years of dry needling practice techniques. The provider is not required to be a chiropractor.
- g. A chiropractor performing dry needling must have written, informed consent for each patient where this technique is used. The patient must sign and be given a copy of the informed consent form. The form must, clearly state the risks and benefits of dry needling.
- h. Any dry needling performed must be clearly documented in the procedure notes, which must indicate how the patient tolerated the technique and the outcome after the procedure.
- i. Dry needling shall not be delegated and must be directly performed by a qualified, licensed chiropractor with electrotherapy certification who meets the standards in this rule.

- C. Nutritional Remedial Measures as referenced in ~~s~~Section 12-~~21533-1032~~(41), C.R.S., means that a doctor of chiropractic may administer, prescribe, recommend, compound, sell and distribute

homeopathic and botanical medicines, vitamins, minerals, phytonutrients, antioxidants, enzymes, glandular extracts, non-prescription drugs, durable and non-durable medical goods and devices.

D. Physical Remedial Measures as referenced in [sSection 12-21533-103\(4\)2](#), C.R.S., includes but is not limited to:

1. Tests (physical, functional, mechanical, computerized).
2. Exercise therapeutics (instruction, passive, active, resistive, cardiovascular).
3. Work hardening.
4. Gait/locomotion training.
5. Manual therapies (massage, mobilization, manipulation).
6. Traction.
7. Postural drainage.
8. Biofeedback (when done to facilitate chiropractic care).
9. Functional activities with or without assistive devices.
10. Postural re-education.
11. Physiotherapy ~~(as defined above)~~.

E. Patient assessment may include, but is not limited to the following:

1. Physical examination.
2. Neurologic testing.
3. Orthopedic testing (provocative/ functional testing).
4. Chiropractic testing.
5. Range of motion examination.
6. Strength testing (manual, mechanical, computerized).
7. Postural examination.
8. Gait/movement analysis.
9. Activities of daily living.
10. Psychometric questionnaires.
11. Nocioception.
12. Cardiac, pulmonary, and vascular examination.
13. Fitness examination.

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14. Work site assessment.
 15. Home assessment.
 16. Photosensitivity testing.
 17. Impairment or disability ratings.
 18. Functional capacity evaluation.
 19. Radiography and other diagnostic imaging

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1.Rule 11 Use of Credentials

A. Only those titles authorized by statute may be used.

~~B. — Use of the title 'chiropractic physician' is permitted.~~

~~B.~~ Post-graduate degrees received from an institution accredited by the Council of Chiropractic Education or diplomate status may be used in conjunction with those titles authorized by statute.

Notice of Proposed Rulemaking

Tracking number

2019-00410

Department

700 - Department of Regulatory Agencies

Agency

719 - Division of Professions and Occupations - State Board of Pharmacy

CCR number

3 CCR 719-1

Rule title

STATE BOARD OF PHARMACY RULES

Rulemaking Hearing

Date

10/03/2019

Time

08:45 AM

Location

1560 Broadway, Room 110D, Denver, CO 80202

Subjects and issues involved

The purpose of the proposed changes to existing Rules 1.00.24, 2.01.50, 2.01.52, 2.01.53, 2.01.56, 2.01.80, 3.05.00, 3.00.23, 3.00.30, 6, 7.00.30(c), 11.03.00, 11.07.10, 14.00.05, 14.00.40, 14.00.80, 15.01.11, 15.09.14(a), 17, 19.01.10, 23.00.10, 23.00.70, and proposing to add Rule 29.00.30 is to implement the new legislation (House Bills 19-1242, 19-1109, and 19-1077, and Senate Bills 19-228 and 19-005).

Statutory authority

12-42.5-101, 12-42.5-105, 12-42.5-106(3), and 24-4-103, C.R.S.

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DEPARTMENT OF REGULATORY AGENCIES

State Board of Pharmacy

3 CCR 719-1

STATE BOARD OF PHARMACY RULES

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

1.00.24 Except as provided in sections 25.5-2.5-201 through 25.5-2.5-206, C.R.S., a
prescription drug outlet shall ensure that all prescription drugs and controlled substances are
procured from another entity or person registered by the Board. Any drug designated as
an Investigational New Drug from the Federal Food and Drug Administration is exempt
from this requirement provided the research requirements for the receipt of the product
are followed and it meets the requirements of section CRS 12-28042.5-13128(2), C.R.S.

2.01.50 Transfer of Prescription Orders Between Prescription Drug Outlets.

- a. A prescription label or a written copy of a prescription order from another pharmacy may be used for informational purposes only and shall not be considered to be a valid prescription order. A pharmacist, pharmacy intern, or pharmacy technician who receives such a label or prescription order copy shall either contact the prescribing practitioner for authorization to dispense the prescription, or, alternatively, shall comply with 2.01.52 through 2.01.59.
- b. A pharmacist, pharmacy intern, or pharmacy technician may orally transfer prescription order information for non-controlled substances for the purpose of dispensing a prescription ~~if the information is communicated by one pharmacist to another pharmacist or an intern, or by an intern under the direct supervision of a pharmacist to another pharmacist.~~
- c. A prescription drug outlet may transfer a prescription order electronically to another prescription drug outlet for the purpose of dispensing a prescription order.
 - (1) If the prescription order information is transmitted by facsimile, the transferring pharmacist, pharmacy intern, or pharmacy technician shall comply with rule 2.01.52.
 - (2) Prescription order information may be transmitted electronically between two compatible computer systems that are capable of complying with the requirements of rules 2.01.52 and 2.01.53 (1)-(10). In the case of electronic transfers, the transferring and receiving pharmacist, pharmacy intern, or pharmacy technician may be the same person.
 - (3) In the case of prescription drug outlets that access and share the same data storage device and that can electronically retrieve all necessary information, if the original prescription order information is not invalidated, each dispensing prescription drug outlet shall be capable of accessing a transaction record that indicates the following information: (a) date, (b) time, and (c) location from which the prescription was dispensed. If the prescription order is assigned a new

prescription number at the receiving pharmacy, the prescription information at the originating pharmacy shall be invalidated.

- d. The one-time transfer of original prescription information for a controlled substance listed in schedules III, IV, or V for the purpose of dispensing is permissible between pharmacies. However, pharmacies electronically sharing a real-time, on-line database may transfer up to the maximum refills permitted by law and the prescriber's authorization. If the prescription order is assigned a new prescription number at the receiving pharmacy, the prescription may be transferred on a one-time basis only.
- e. A pharmacist may authorize pharmacy technician [or pharmacy intern](#) to electronically transfer an order, for the purpose of redispensing said order, provided that the electronic transfer is between two compatible computer systems and no changes are made. The pharmacist shall be identified on the transfer record as required by 2.01.52 and 2.01.53.

2.01.52 _____ The transferring pharmacist, [pharmacy intern, or pharmacy technician](#) shall:

- a. Write the word "void" across the face of the original prescription order to make the order invalid;
- b. Record on the reverse side of the invalidated prescription order:
 - (1) His/her name, license [or certification](#) number, initials, or secure electronic identifier;
 - (2) The name, license number, initials, or secure electronic identifier of the receiving pharmacist or [pharmacy intern or pharmacy technician](#)~~intern~~;
 - (3) The name of the receiving prescription drug outlet;
 - (4) The address and telephone number of the receiving prescription drug outlet; and
 - (5) The date of the transfer.
 - (6) In the case of a controlled substance in schedule III through V, the Drug Enforcement Administration registration number of the receiving prescription drug outlet.
- c. A pharmacy utilizing a computer for storage and retrieval of information regarding prescription transactions shall be exempt from the requirements of paragraphs (a) and (b) of this rule if the computer is capable of invalidating the prescription order and retaining as part of the permanent record the information specified in paragraph (b) of this rule.

2.01.53 _____ The pharmacist, [pharmacy intern, or pharmacy technician](#) receiving the transferred
_____ prescription order information shall:

Reduce the transferred information to writing or print; write or print the word "transfer" on the face of the transferred prescription order; and provide all information required by law or rule to be on the prescription order, including:

- (1) The date of issue of the original prescription order;
- (2) The date of initial compounding and dispensing of the original prescription order;

- (3) The number of refills authorized and the original quantity prescribed or any limitations placed on the prescription;
- (4) The number of valid refills remaining;
- (5) The date of the last refill of the original prescription order;
- (6) The prescription order number from which the prescription order information was transferred;
- (7) The name, license [or certification](#) number, initials, or secure electronic identifier of the transferring pharmacist, [pharmacy intern, or pharmacy technician](#) ~~or intern~~;
- (8) The name of the transferring prescription drug outlet;
- (9) The address and telephone number of the transferring prescription drug outlet;
- (10) In the case of a controlled substance in schedules III through V, the Drug Enforcement Administration number of the transferring prescription drug outlet, and the practitioner's Drug Enforcement Administration number.

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2.01.56 _____ The pharmacist, [pharmacy intern, or pharmacy technician](#) at the receiving prescription drug outlet at the time of the dispensing of the transferred prescription, shall inform the patient that the prescription order is now invalid at the prescription drug outlet from which it was transferred.

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2.01.80 _____ When a prescription drug outlet discontinues business and the prescription order files are moved to another prescription drug outlet, those orders shall be considered void and shall not be refilled. However, if the receiving pharmacist, [pharmacy intern, or pharmacy technician](#) can establish that an authorized refill or authorized refills remain on any such order, such authorization may, at the sole discretion of the pharmacist, be used to establish a new order.

- a. If the record which reflects the authorized refill or refills is the original prescription order, the serial number of the original prescription order shall be recorded on the new order, and the serial number of the new prescription order shall be recorded on the original order.
- b. If the record which reflects the authorized refill or refills is electronic, the pharmacist, [pharmacy intern, or pharmacy technician](#) shall maintain in written or printed form a record which indicates both the serial number of the original prescription order and the serial number of the new prescription order. This record may be made part of the daily printout required by [Rule 11.04.20](#) if it is routinely recorded in such printout. The refill authorization(s) contained in the original electronic record must be invalidated to prevent further refilling.
- c. The files from the prescription drug outlet that has discontinued business may be transferred to another prescription drug outlet under the following conditions:

- (1) The computer or electronic database from the prescription drug outlet that discontinued business is located and will remain at the pharmacy to which it is transferred for at least two years.
- (2) The computer or electronic database must be capable of complying with [Rule 2.01.52\(c\)](#).

3.00.00 DISPENSING.

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[3.00.23 Dispensing without an order.](#)

[a.](#) A pharmacist may dispense an emergency supply of a chronic maintenance drug, as defined in section 12-280-103(9.5)(a) and (b), C.R.S., to a patient without a current, valid order under the conditions set forth in section 12-280-125.5, C.R.S. When an emergency dispensing occurs, the dispensing pharmacist, or his or her designee, shall immediately notify the practitioner of record related to the emergency dispensing, in writing, detailing the:

- [\(1\) Name, address, and telephone number of dispensing pharmacy;](#)
- [\(2\) Name, strength, dosage form, directions, and quantity of drug dispensed;](#)
- [\(3\) Name of patient and corresponding patient's date of birth; and](#)
- [\(4\) Date of emergency dispensing.](#)

[b.](#) Records related to the dispensing of an emergency supply of a chronic maintenance drug shall be detailed and maintained in the same manner as all other dispensing transactions in compliance with all applicable provisions of Board Rules 2.00.00, 3.00.00, 11.00.00, 21.00.00, and 26.00.00.

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3.00.30 Labeling.

[a.](#) When a prescription drug is dispensed pursuant to an order, the name of the drug that appears on the container label shall correspond with the identity of the drug contained therein unless otherwise requested by the practitioner.

[b.](#) When a prescription drug is dispensed to a patient for outpatient use and contains an opioid that is not prescribed for the treatment of a substance use disorder or is a partial opioid antagonist, the label or container shall bear a notification that states, or is substantially equivalent to: "Caution: Opioids carry a risk of overdose and addiction."

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3.05.00 Pharmacist Prescribing and Dispensing Over-the-Counter Medications

3.05.10 Pharmacists, pursuant to 12-~~28042-5-1032~~([3427](#)), C.R.S., may prescribe and dispense certain over-the-counter medications ("OTC Medications") to recipients under the Colorado Medical Assistance Act,

- 3.05.20 The formulary of the eligible OTC medications is determined by the Colorado Department of Health Care Policy and Financing or its successor agency. Pharmacists may only prescribe and dispense these eligible medications pursuant to the policies established by the Colorado Department of Health Care Policy and Financing or its successor agency.
- 3.05.30 When prescribing such OTC medications, the pharmacist shall issue a prescription order as defined in 12-~~28042-5-1032~~(3124)(a), C.R.S. The prescribing pharmacist's name shall be used on the prescription order as the name of the practitioner.
- 3.05.40 When issuing the prescription order, the pharmacist shall consult with the recipient to determine necessity and suitability of the medication for the recipient. Written documentation of the necessity and suitability of the medication shall be maintained with the prescription order.
- 3.05.50 Pharmacist prescribed OTC prescriptions shall require a written prescription order.
- 3.05.60 Written prescription orders are not eligible for prescription transfer and cannot be refilled.
- 3.05.70 The pharmacist shall review the recipient's drug therapy history for potential drug interactions.
- 3.05.80 When dispensing the medication, the pharmacist shall label the product with all labeling requirements of 12-~~28042-5-1241~~, C.R.S. The prescribing pharmacist's name shall be used on the label as the name of the practitioner.
- 3.05.90 Upon delivery of the medication to the recipient, the pharmacist shall provide consultation with the recipient or his or her caregiver as required by the Colorado Department of Health Care Policy and Financing. The Colorado Department of Health Care Policy and Financing sets forth the requirements in 10 CCR 2505-10, 8.800 of June 30, 2018. This incorporation does not include later revisions of the rule. Copies of the rule are available for public inspection during regular business hours at 1570 Grant Street, Denver, Colorado, 80203. The rules are readily available in written or electronic form at <http://www.sos.state.co.us/CCR/GenerateRulePdf.do?ruleVersionId=7643&fileName=10%20CCR%202505-10%208.800>. The rules are available for a reasonable fee from the Department of Regulatory Agencies, Division of Professions and Occupations.
- 3.05.95 The prescription order issued, documentation of medication necessity and suitability, and records of dispensing shall be maintained at the prescription drug outlet as required by Rule 11.00.00.

**6.00.00 PHARMACEUTICAL CARE, DRUG THERAPY MANAGEMENT AND PRACTICE BY
PROTOCOL. (REPEALED)**

6.00.10 Definitions:

- a. ~~“Pharmaceutical care” means the provision of drug therapy and other pharmaceutical patient care services by a pharmacist intended to achieve outcomes related to the cure or prevention of a disease, elimination or reduction of a patient's symptoms, or arresting or slowing of a disease process. In addition to the preparation, dispensing, and distribution of medications, “pharmaceutical care” may include assessment and evaluation of the patient's medication related needs and development and communication of a therapeutic plan with defined outcomes in consultation with the patient and the patient's other health care professionals to attain the desired outcome. This function includes efforts to prevent, detect, and resolve medication related problems for individual patients. “Pharmaceutical care” does not include prescriptive authority.~~
- b. ~~For the purpose of this Board Rule 6.00.00, a “prescriber” means a physician who is actively and unconditionally licensed by the Colorado Medical Board or an advanced~~

~~practice registered nurse with prescriptive authority who is actively and unconditionally licensed by the Colorado State Board of Nursing.~~

c. ~~Drug therapy management means the review and evaluation of drug therapy regimens for patients undertaken by a pharmacist in order to provide drug therapy, monitor progress, and modify drug therapy. Drug therapy management may only be undertaken pursuant to an initial diagnosis made by a prescriber, a valid order for the therapy, and a written agreement, which delineates proper protocols, to be used and the type of interaction that must occur between the pharmacist and the prescriber. Therapeutic interchange programs in inpatient and group model integrated closed HMO settings that are approved by medical staff committees are not considered drug therapy management for purposes of these rules.~~

d. ~~Drug therapy management may include:~~

- ~~1. Collecting and reviewing patient drug histories;~~
- ~~2. Obtaining and checking vital signs;~~
- ~~3. Ordering and evaluating the results of laboratory tests directly, related to management of the drug therapy when performed in compliance with the protocol ordered by the prescriber;~~
- ~~4. Modifying drug therapy, when appropriate, in compliance with the protocol ordered by the prescriber; and~~
- ~~5. Implementing the drug therapy plan agreed upon between the prescriber and the pharmacist, using protocols and managing the therapy according to those protocols.~~

e. ~~Protocol means a specific written plan for a course of medical treatment containing a written set of specific directions created by the prescriber, groups of prescribers, hospital medical committee, or pharmacy and therapeutics committee.~~

- ~~1. Protocols must describe the nature and scope of drug therapy management appropriate for certain conditions or diagnoses, and include specific directions for the drug to be used, the specified dosage regimen, dosage forms or route of administration which are authorized. Protocols must include clear criteria and specific directions pharmacists are to follow when implementing and monitoring drug therapy. If the protocol includes ordering and evaluating laboratory tests, the protocol must provide precise instruction as to what tests are to be ordered, the criteria for ordering the tests, how the tests are to be interpreted, and what action the pharmacist is to take dependent upon the test results. If the protocol includes modifying drug therapy, the protocol must provide precise instruction as to the criteria dictating a change, and exactly how the therapy is to be changed.~~
- ~~2. Protocols without specific directions regarding patient treatment or those that are nonspecific, vague, or rely on discretion without definition, are insufficient and may not be used in drug therapy management by the prescriber or the pharmacist.~~
- ~~3. Protocols must also include specific instructions for responding to acute allergic or other adverse reactions. The protocols shall be signed and dated by the authorizing prescriber or chairperson of the authorizing group or committee.~~

4. Evidence-based protocols. Protocols used by prescribers and pharmacists engaging in drug therapy management must demonstrate a plan of treatment that constitutes evidence-based medicine. This means that the plan of treatment must be guided by or based on current, objective, supportive scientific evidence as published in scientific literature rather than anecdotal observations. Through the use of such protocols, drug therapy management must provide care that meets the standard of care in all applicable professions.
5. The protocols shall be signed and dated by the authorizing prescriber or chairperson of the authorizing group or committee.
- f. Agreement means a written agreement between a Colorado-licensed pharmacist and a Colorado-licensed prescriber, or a group of Colorado-licensed pharmacists and a group of Colorado-licensed prescribers that sets forth the specific information required to assure the competent practice of pharmacy in an integrated health care fashion. Either party may withdraw from the agreement at any time.

6.00.20 Drug therapy management requirements for all practice settings.

- a. Drug therapy management may only be conducted by a pharmacist upon the presentation of a valid order for a specific, individual patient from that patient's prescriber. The order must specify the protocol to be used, and the protocol must either accompany the order, or otherwise be provided to the pharmacist in advance of starting drug therapy management.
- b. The pharmacist must ensure that the prescriber with whom the pharmacist is working is licensed in Colorado, in good standing, and the protocols used are within the scope of the prescriber's current practice.
- c. Prior to initiation of drug therapy management in any setting, the pharmacist or institution must inform the patient that he/she may refuse to participate in drug therapy management. Inpatient or group model integrated closed HMO settings may use the patient's signature on the institution's general consent to treat as the patient's indication to participate in drug therapy management.
- d. At a minimum the written agreement for carrying out drug therapy management between prescribers and pharmacists shall be reviewed annually, and revised, if necessary.
- e. Pharmacists may perform by protocol all aspects of drug therapy management referenced in 6.00.10 c and d, provided the protocol complies with 6.00.10e, and the pharmacists performing these functions are qualified as set forth in section 6.00.30 and are working pursuant to a written agreement with an appropriately qualified prescriber.
- f. Filing requirements.
 1. Pharmacists engaging in drug therapy management must maintain a current copy of the written agreement between the prescriber and the pharmacist at the location where drug therapy management is occurring. Pharmacists conducting such therapy in inpatient settings or group model integrated closed HMO's shall maintain a current copy of the general authorization plan as required by 6.00.40 at the location where drug therapy management is occurring. Upon request by the Board or its inspectors such written agreements and general authorization plans shall be submitted to the Board.

2. Pharmacists practicing drug therapy management must also provide the Board documentation of their successful completion of all qualification requirements as set forth below in 6.00.30 upon request. Copies of pharmacy degrees are not required. Copies of completion of residency or other educational programs or certifications must be on file in the location of practice. Attestations from the supervising pharmacist or prescriber for clinical practice must be on file.
3. Pharmacists practicing drug therapy management must have a copy of the pertinent protocols at the location at which they are practicing. Upon request by Board inspectors, pharmacists must produce the scientific literature upon which their protocols are derived.

6.00.30 Pharmacist Qualifications:

Any pharmacist engaged in drug therapy management shall meet the following qualifications:

- a. Have and maintain an unrestricted license in good standing to practice pharmacy in Colorado; and
- b. Meet one of the following qualifications:
 1. Proof of completion of a pharmacy residency accredited by the American Society of Health Systems Pharmacists or the American Pharmacists Association in the specialty being practiced; or
 2. Proof of completion of one (1) year of practice experience in pharmacotherapy, and 40 hours of onsite supervised clinical practice and training in each area in which the pharmacist is choosing to practice; or
 3. Completion of a certificate program accredited by the Accreditation Council for Pharmacy Education in each area of practice, and 40 hours of on-site supervised clinical practice and training in each area in which the pharmacist is choosing to practice; or
 4. Completion of at least 40 hours of ACPE approved continuing education regarding clinical practice and 40 hours of onsite supervised clinical practice and training in the area in which the pharmacist is choosing to practice; or
 5. Current Board specialty certification from the Board of Pharmaceutical Specialties, current certification from the National Institute for Standards in Pharmacist Credentialing, or current certification from the Commission for Certification in Geriatric Pharmacy. Such credentials must be in the area of pharmacy practice undertaken in the drug therapy management; or
 6. In an inpatient or group model integrated closed HMO setting, all of the following criteria shall be met in order to practice drug therapy management:
 - a. Forty (40) hours of onsite supervised clinical practice and training in the area(s) in which the pharmacist is choosing to practice;
 - b. Protocols must be approved by the health system's medical committee, or pharmacy and therapeutics committee; and
 - c. Documented competency of each area of practice in which the pharmacist is choosing to practice shall be maintained on site.

- c. — Licensed Colorado pharmacists practicing drug therapy management prior to August 1, 2005, must attest and certify that they were provided clinical training, experience, and oversight practicing in the disease state(s) that they work in, and the physician with whom they are currently practicing must attest that they are practicing to the standard of care required for management of the specific disease. Such attestations must be on file at the site of practice. Documentation of their employment dates must be on file as proof of practice prior to August 2, 2005.

6.00.40 Drug Therapy Management in Inpatient and Group Model Integrated Closed HMO Settings:

- a. — Pharmacists engaging in drug therapy management in inpatient and group model integrated closed HMO settings must conduct activities pursuant to a valid order and must follow the protocols set forth by the hospital medical committee, or pharmacy and therapeutics committee. They must record all of the items required in subsection c. below for each patient, or the hospital may create a general authorization plan, identifying where such information will be located, and how it will be accessed throughout the facility by participating pharmacists and prescribers. The general authorization plan serves as the pharmacist/prescriber agreement in these settings. The general authorization plan must identify which prescribers and pharmacists are authorized and have agreed to participate in the facility to engage in drug therapy management. The hospital medical committee or pharmacy & therapeutics committee serves as the authorizing agent for the organization's medical staff, identifying which prescriber groups are authorized to participate, and may restrict authorization for certain protocols to specific prescriber groups or specialties. A pharmacist engaging in drug therapy management must read, sign and date the plan and the pertinent protocols that he/she agrees to use in the cases undertaken.
- b. — The pharmacist manager shall ensure that the general authorization plans for drug therapy management are on file in the prescription drug outlet. Changes to the plan must be made as they occur, including the identification of persons participating. Protocols shall be onsite where the drug therapy management takes place and revised as medically necessary.
- c. — Prior to initiation of drug therapy management, the pharmacist must review the following information:
 - 1. — Patient's name, gender, date of birth, height, and weight;
 - 2. — Patient diagnosis or diagnoses (from physician);
 - 3. — Medication history;
 - 4. — Prior lab values;
 - 5. — Patient vital signs;
 - 6. — Patient known allergies;
 - 7. — Emergency contact number.
- d. — Records of all activity by the pharmacist shall be documented in the patient's chart prior to administration.
- e. — Pharmacists engaging in drug therapy management shall not delegate drug therapy management activities to any other staff.

6.00.50 Drug Therapy Management in other settings.

- a. ~~Every pharmacist or group of pharmacists engaged in drug therapy management in an outpatient setting must have a valid order from the patient's prescriber for each specific patient for such therapy, and must operate according to a written agreement and protocol referenced in section 6.00.10.~~
- b. ~~Written agreements shall contain the following information:~~
 - 1. ~~Participating pharmacist name(s);~~
 - 2. ~~Participating prescriber name(s);~~
 - 3. ~~Diagnoses relevant to the drug therapy to be managed and other patient conditions relevant to maintenance of the patient's health during drug therapy management;~~
 - 4. ~~Protocols to be employed;~~
 - 5. ~~Functions and activities the pharmacist will perform, and restrictions or limitations on the pharmacist's management;~~
 - 6. ~~Method, content and frequency of reports to the prescriber;~~
 - 7. ~~Manner in which pharmacist's drug therapy management will be monitored by the prescriber, including method and frequency;~~
 - 8. ~~A specified time, not to exceed 24 hours, within which the pharmacist must notify the prescriber of any modifications of drug therapy;~~
 - 9. ~~A provision that allows the prescriber to override any action taken by the pharmacist when the prescriber deems it to be necessary;~~
 - 10. ~~An effective date of the agreement, and signatures of both parties.~~
 - 11. ~~A provision addressing how drug therapy management will be handled when the patient has more than one prescriber involved in evaluating or treating the medical condition which is the subject of the agreement. All prescribers who are actively involved in the management of the relevant conditions shall be parties to the agreement.~~
- c. ~~Prior to implementation of drug therapy management, pharmacists shall secure the following information:~~
 - 1. ~~Patient's name, gender, date of birth, height, and weight;~~
 - 2. ~~Patient diagnosis or diagnoses (from prescriber);~~
 - 3. ~~Medication history;~~
 - 4. ~~Prior lab values;~~
 - 5. ~~Patient vital signs;~~
 - 6. ~~Patient known allergies;~~

7. ——— Emergency contact number.

d. ——— Pharmacists engaging in drug therapy management shall not delegate drug therapy management responsibilities to any other staff.

6.00.60 Recordkeeping.

a. ——— Pharmacists must document all actions taken in drug therapy management, including but not limited to any data required by the protocol. Records of each patient visit must be transmitted to the prescriber in the manner specified in the agreement. Records must indicate when and how the record was transmitted to the prescriber.

b. ——— Pharmacists must keep patient records that include:

1. ——— Patient's name, gender, date of birth, height, and weight;

2. ——— Patient diagnosis or diagnoses (from physician);

3. ——— Medication history;

4. ——— Prior lab values;

5. ——— Patient vital signs;

6. ——— Patient known allergies;

7. ——— Date and time the service was rendered;

8. ——— Type of service rendered;

9. ——— Results of interviews with the patient and any diagnostic tests or other pertinent information about the patient's disease;

10. ——— When and how the record was transmitted to the prescriber; and

11. ——— Emergency contact number.

6.00.70 Retention of Records.

a. ——— All records of drug therapy management shall be retained for a minimum of seven years from the last date of drug therapy management, or seven years from the patient's 18th birthday, whichever is later. Such records shall be available for inspection by the patient, the prescriber, the Board, or any other authorized local, state, or federal law enforcement or regulatory agency.

b. ——— Records may be maintained in an alternative data retention system, such as a data processing system or direct imaging system provided that:

1. ——— The records maintained in the alternative system contain all of the information required on the manual record;

2. ——— The data processing system is capable of producing a hard copy of the record upon the request of the Board, its representative, or of other authorized local, state, or federal law enforcement or regulatory agencies;

3. ~~_____ A back-up is conducted of the data processing system every 24 hours; and~~

4. ~~_____ The records are immediately available for the previous two years.~~

6.00.90 Confidentiality.

a. ~~_____ The pharmacist shall provide adequate security to prevent indiscriminate or unauthorized access to confidential records. If confidential health information is transmitted through a data communication device, the confidential health information may not be accessed or maintained by the operator of the data communication device unless specifically authorized to do so by the patient.~~

b. ~~_____ Patient information is confidential and may be released only as authorized by state and federal law. All protected health information obtained and maintained, including that obtained from the physician or other providers, must be strictly controlled in accordance with the requirements of Health Insurance Portability and Accountability Act of 1996 and any rules promulgated pursuant to the act and other federal and state laws and rules. Specifically, pharmacists can only release patient information to:~~

1. ~~_____ The patient or the patient's agent;~~

2. ~~_____ A practitioner or another pharmacist if, in the pharmacist's professional judgment, the release is necessary to protect the patient's health and well-being;~~

3. ~~_____ The Board or to a person or another state or federal agency authorized by law to receive the confidential record;~~

4. ~~_____ A person employed by a state agency that licenses a practitioner, if the person is performing the person's official duties; and/or~~

5. ~~_____ An insurance carrier or other third party payer authorized by the patient to receive the information.~~

6.01.10 Participation Not Mandatory.

a. ~~_____ No person or entity, as a condition of employment, participation on an insurance provider panel, or otherwise, shall require any prescriber to participate in or authorize drug therapy management.~~

6.01.20 Board Review.

a. ~~_____ Board staff will review compliance with this rule and report to the Board regarding complaints and other relevant data associated with the rule every three years.~~

7.00.00 PHARMACIST MANAGER RESPONSIBILITIES.

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7.00.30 Compliance of Outlet:

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- c. Except as provided in sections 25.5-2.5-201 through 25.5-2.5-206, C.R.S., the pharmacist manager is responsible for ensuring that all prescription drugs and controlled substances are procured by the outlet from an entity or person registered by the Board. Any drug designated as an Investigational New Drug from the Federal Food and Drug Administration is exempt from this requirement provided the research requirements for the receipt of the product are followed and it meets the requirements of section CRS 12-28042.5-13128(2), C.R.S.

11.00.00 RECORDS AND RECORDKEEPING.

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11.03.00 Inventories of Controlled Substances. Any inventory of controlled substances shall comply with the following:

- a. If the outlet is registered with the Drug Enforcement Administration as a "hospital/clinic", or is owned and operated by a health maintenance organization (as defined in sSection 10-16-102, C.R.S.), or the veterinary hospital owned and operated by Colorado State University or its successor organization, the inventory shall include all drugs located throughout the facility, excluding any drug which has been dispensed pursuant to a lawful chart order but which has not yet been administered to the patient.

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11.07.10 Records of distribution of controlled substances and prescription drugs within hospitals and facilities owned and operated by a health maintenance organization (as defined in sSection 10-16-102, C.R.S.). Records of distribution of controlled substances and prescription drugs shall comply with the following:

- a. In a hospital or a facility owned and operated by health maintenance organization or the veterinary hospital owned and operated by Colorado State University or its successor organization which operates a registered prescription drug outlet, a controlled substance or prescription drug may be distributed for floor stock to appropriate areas within the hospital or facility. A record of any such distribution shall be made and retained by the prescription drug outlet for a period of time not less than two years and shall include the following information:

14.00.00 OTHER OUTLETS.

14.00.05 Eligibility for registration. The following facilities may register as other outlets provided all requirements are met:

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m. Convalescent centers registered, certified, or licensed as such by the Colorado Department of Public Health and Environment.

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14.00.40 Application Procedure.

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f. Change of Registration.

- (1) Any other outlet located in a community health clinic, rural health clinic, college, or university which dispenses more than 25,000 dispensing units in a calendar year shall register with the Board as a prescription drug outlet. Any telepharmacy that dispenses more than 50,000 units in a calendar year shall register with the Board as a prescription drug outlet.
- (2) Any other outlet located in a hospital which has greater than 25 beds as stated on its license with the Colorado Department of Public Health and Environment shall register as a prescription drug outlet.

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14.00.80 Consultant pharmacist.

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e. The consultant pharmacist shall inspect and document the inspection in writing as detailed in 14.00.80(d) the following other outlets at the following frequencies:

- (1) Quarterly inspections and visits shall be conducted for the following:
 - (a) Jails;
 - (b) County health departments;
 - (c) Schools, grade kindergarten through twelve;
 - (d) Hospitals;
 - (e) Family planning clinics;
 - (f) Hospices;
 - (g) Medical clinics operated by hospitals; ~~and~~
 - (h) Ambulatory Surgical Centers; ~~and~~
 - (i) Convalescent centers.
- (2) Community clinics, federally qualified health centers, rural health clinics, colleges, acute treatment units, ~~telepharmacies~~, and universities shall be inspected and visited as follows:

- (a) Monthly if 2,500 or less dispensing units are dispensed in a calendar year. A calendar year is ~~considered to run~~ from January 1 through December 31.
- (b) Every other week if ~~more than 2,500 or more~~ but less than 7,501 dispensing units are dispensed in a calendar year. A calendar year is ~~considered to run~~ from January 1 through December 31.
- (c) Each week if ~~7,501 or more~~ 1 dispensing units but less than 12,501 dispensing units are dispensed in a calendar year. A calendar year is ~~considered to run~~ from January 1 through December 31.
- (d) Twice each week if ~~12,501 or more~~ 1 dispensing units but less than 25,001 dispensing units are dispensed in a calendar year. A calendar year is ~~considered to run~~ from January 1 through December 31.

(3) Telepharmacies shall be inspected and visited as follows:

- (a) Once every three months if 2,500 or more but less than 12,501 dispensing units are dispensed in a calendar year. A calendar year is from January 1 through December 31.
- (b) Once per month if 12,501 or more but less than 25,001 dispensing units are dispensed in a calendar year. A calendar year is from January 1 through December 31.
- (c) Twice per month if 25,001 or more dispensing units but less than 50,000 dispensing units are dispensed in a calendar year. A calendar year is from January 1 through December 31.

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15.00.00 WHOLESALEERS.

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15.01.11 Minimum required information for registration.

- a. The following minimum information shall be required from each wholesaler as part of the registration:
 - (1) The name, full business address, and telephone number of the applicant;
 - (2) All trade or business names used by the applicant;
 - (3) Addresses, telephone numbers, and the names of contact persons for all facilities used by the applicant for the storage, handling and distribution or prescription drugs;
 - (4) The type of ownership or operation (i.e., partnership, corporation, sole proprietorship, limited liability company, or government entity); and
 - (5) The name(s) of the owner and operator of the applicant including:
 - (a) If a person, the name of the person;

- (b) If a partnership, the name of each partner, the name of the partnership, and the federal employer identification number (FEIN);
 - (c) If a corporation, the name and title of each corporate officer and director, the name of the parent company, the corporate names, the federal employer identification number of the business, and the name of the state of incorporation; and
 - (d) Name of the business entity. If a sole proprietorship, the full name of the sole proprietor, and the name and federal employer identification number of the business entity.
 - (e) If a government entity, identify the name of director and the name of the governmental agency he/she represents.
- (6) If a limited liability company, the name and title of each member, federal employer identification number (FEIN) of the business, and name of parent company, if any.
- (7) A list of the licenses and permits issued to the applicant by any other state that authorizes the applicant to purchase or possess prescription drugs.
- (8) The name of the applicant's designated representative, who must meet the following requirements:
- (a) Be at least twenty-one years of age;
 - (b) Have at least three years of full-time employment history with a pharmacy or a wholesaler in a capacity related to the dispensing and distribution of and the recordkeeping related to prescription drugs;
 - (c) Be employed by the applicant in a full-time managerial position;
 - (d) Be actively involved in and aware of the actual daily operation of the wholesaler;
 - (e) Be physically present at the facility of the applicant during regular business hours, except when the absence of the designated representative is authorized, including, but not limited to, sick leave and vacation leave;
 - (f) Serve in the capacity of a designated representative for only one applicant or wholesaler at a time, except where more than one licensed wholesaler is co-located in the same facility and the wholesalers are members of an affiliated group as defined by section 1504 of the federal "Internal Revenue code of 1986."
 - (g) Not have any convictions under federal, state, or local law relating to wholesale or retail prescription drug distribution or controlled substances;
 - (h) Not have an felony convictions pursuant to federal, state, or local law; and
 - (i) Undergo a background check as required by [section CRS 12-28042.5-304, C.R.S.](#)

- (9) Wholesalers that distribute animal health medicines drugs exclusively must have a designated representative. However, the requirements of 15.01.11a(8) is(g) through (i) are not required. For the purpose of this Rule 15.00.00, an "animal health medicine" means a prescription drug, regardless of whether the drug is originally intended for humans or animals, that will be distributed by a wholesaler only to an animal pursuant to an order issued by a veterinarian or directly to a veterinarian authorized by law to prescribe the drug.

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15.09.14 Receipts.

- a. Except as provided in sections 25.5-2.5-201 through 25.5-2.5-206, C.R.S., in-state prescription drug wholesalers shall only receive prescription drugs and controlled substances from an entity that is registered by the Board. This section shall not apply to intracompany or reverse distribution transactions.

17.00.00 COLLABORATIVE PHARMACY PRACTICE.

17.00.10 Definitions.

- a. "Pharmaceutical care" means the provision of drug therapy and other pharmaceutical patient care services by a pharmacist intended to achieve outcomes related to the cure or prevention of a disease, elimination or reduction of a patient's symptoms, or arresting or slowing of a disease process. In addition to the preparation, dispensing, and distribution of medication, "pharmaceutical care" may include assessment and evaluation of the patient's medication related needs and development and communication of a therapeutic plan with defined outcomes in consultation with the patient and the patient's other health care professionals to attain the desired outcomes. This function includes efforts to prevent, detect, and resolve medication related problems for individual patients. "Pharmaceutical care" does not include prescriptive authority; except that a pharmacist may prescribe over-the-counter medications to a recipient under the Colorado Medical Assistance Act or pursuant to a Statewide Protocol.
- b. "Collaborative pharmacy practice agreement," or "collaborative practice agreement" (CPA), means a written and signed agreement entered into voluntarily between one or more Colorado-licensed pharmacists and one or more Colorado-licensed prescribers, which statement grants authority to the pharmacist or pharmacists to provide evidence-based healthcare services to one or more patients pursuant to a specific treatment protocol delegated to a pharmacist or pharmacists by the prescriber or prescribers. Either party may withdraw from an agreement at any time.
1. "Collaborative drug therapy management" (CDTM) is a collaborative practice agreement involving a higher level of disease complexity and/or decision making. CDTM means the review and evaluation of drug therapy regimens for patients undertaken by a pharmacist in order to provide drug therapy, monitor progress, and initiate, modify, or discontinue drug therapy. Drug therapy management may only be undertaken pursuant to an initial diagnosis made by a prescriber, a valid order for the therapy or therapies to be utilized, and a written agreement, which delineates proper protocols, to be used and the type of interaction that must occur between the pharmacist and the prescriber. Therapeutic interchange programs in inpatient and group model integrated closed HMO settings that are approved by medical staff committees are not considered drug therapy management for purposes of these rules.

cb. "Collaborative pharmacy practice agreement," or "collaborative practice agreement," may also mean a statewide drug therapy protocol, or "statewide protocol," developed by the Board, the Colorado Medical Board, and the Colorado State Board of Nursing in collaboration with the Colorado Department of Public Health and Environment for public healthcare services under which a pharmacist may have prescriptive authority as a practitioner.

de. "Evidence-based healthcare service" means a healthcare service provided by a Colorado-licensed pharmacist pursuant to a collaborative practice agreement statewide-protocol or an agreement and protocol with a Colorado-licensed prescriber or prescribers which is guided by or based on current, objective, supportive scientific evidence as published in scientific literature as opposed to anecdotal observations.

~~For the purpose of this Board Rule 17.00.00, evidence-based healthcare service does not mean "Drug therapy management" as defined and governed under Board Rule 6.00.00.~~

ed. "Prescriber", for the purpose of this Board Rule 17.00.00, means a physician who is actively licensed by the Colorado Medical Board or an advanced practice registered nurse who is actively licensed by the Colorado State Board of Nursing.

fe. "Protocol" means a specific written plan for a course of medical treatment containing a written set of specific directions created by a prescriber or groups of prescribers in conjunction with the participating pharmacist(s).

17.00.30 Pharmacist Qualifications.

- a. A pharmacist may enter into a collaborative pharmacy practice agreement with one or more prescriber if:
1. The pharmacist holds a current license to practice in Colorado;
 2. The pharmacist is engaged in the practice of pharmacy;
 3. The pharmacist has earned a Doctor of Pharmacy degree or completed at least five (5) years of experience as a licensed pharmacist;
 4. The pharmacist agrees to devote a portion of his or her practice to collaborative pharmacy practice;
 5. There is a process in place for the physician, advanced practice registered nurse, and pharmacist to communicate and document changes to the patient's medical record; and
 6. The pharmacist carries adequate professional liability insurance in coverage of at least \$1,000,000 per incident and at least \$3,000,000 in aggregate.

7. Pharmacists practicing under CDTM protocols must also:

a. Meet one of the following qualifications:

1. Proof of completion of a pharmacy residency accredited by the American Society of Health Systems Pharmacists in the specialty being practiced or;

2. Proof of completion of one year of practice experience in pharmacotherapy, and forty hours of onsite supervised clinical practice and training in each area in which the pharmacist is choosing to practice; or
 3. Completion of a certificate program accredited by the Accreditation Council for Pharmacy Education in each area of practice, and forty hours of on-site supervised clinical practice and training in each area in which the pharmacist is choosing to practice; or
 4. Completion of at least forty hours of ACPE approved continuing education regarding clinical practice and 40 hours of on-site supervised clinical practice and training in the area in which the pharmacist is choosing to practice; or
 5. Current Board specialty certification from the Board of Pharmaceutical Societies; or
 6. In an inpatient setting, all the following criteria shall be met in order to practice drug therapy management:
 - a. Forty hours of on-site supervised clinical practice and training in the area(s) in which the pharmacist is choosing to practice;
 - b. Protocols must be approved by the health-system's medical committee, or pharmacy and therapeutics committee; and
 - c. Documented competency in each area of practice in which the pharmacist is choosing to practice shall be maintained on site.
 - b. Licensed Colorado pharmacists collaborative drug therapy management prior to August 1, 2005, must attest and certify that they were provided clinical training, experience, and oversight practicing in the disease state(s) that they work in, and the physician with whom they are currently practicing must attest that they are practicing the standard of care required for management of the specific disease. Such attestations must be on file at the site of practice. Documentation of their employment dates must be on file as proof of practice prior to August 2, 2005.
- b. This Board Rule 17.00.00 shall not prevent a pharmacist or pharmacy intern from administering vaccines and immunizations pursuant to the authorization of a physician as permitted pursuant to Board Rule 19.00.00.
- 17.00.50 Evidence-Based Healthcare Services Pursuant to Statewide Protocol.
- a. A process shall be in place for the pharmacist to communicate with the patient's primary care provider and document changes to the patient's medical record. If the patient does not have a primary care provider, or is unable to provide contact information for his or her primary care provider, the pharmacist shall provide the patient with a written record of the drugs or devices furnished and advise the patient to consult an appropriate health care professional of the patient's choice.

- b. A statewide protocol shall, at minimum, contain the following information:
1. The nature and scope of evidence-based healthcare services appropriate for certain conditions or diagnoses, and include specific directions for the patient information to be obtained, the drug therapies to be dispensed, the specified dosage regimen, and dosage forms and route of administration which are authorized. Protocols must include criteria and specific directions pharmacists are to follow when providing evidence-based healthcare services. If the protocol includes conducting physical assessments or ordering and evaluating laboratory or other tests, the protocol shall provide precise instruction as to what assessments are needed to be conducted and what tests are to be ordered, the criteria for ordering the assessments and tests, how the assessments and tests are to be interpreted, and what action the pharmacist is to take dependent upon the assessments and test results;
 2. The pharmacist training necessary to perform the functions set forth in the statewide protocol; which shall include the following:
 - A. A review/update of the disease or condition and the pertinent evidence base to be used by the pharmacist;
 - B. The pharmacology and mechanism of action or medications;
 - C. The relative effectiveness of various medication options;
 - D. Factors and considerations required for patient-centered medication selection;
 - E. Assessment of advantages and disadvantages of various approved medication options;
 - F. Monitoring considerations of approved medications including management of potential adverse events;
 - G. Required patient counseling considerations for approved medications; and
 - H. Identification of patients that should be referred to a primary care provider (or other appropriate resource) at any point during the protocol, or at follow up, and standardized referral process (if applicable).

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17.00.70 Evidence-Based Healthcare Service Pursuant to a CPA Protocol (other than a statewide protocol) Agreement and Protocol with a Prescriber or Prescribers.

- a. Unless a statewide protocol is in place, a pharmacist shall not enter into a collaborative pharmacy practice agreement with a prescriber if the prescriber does not have an established relationship with the patient or patients who will be served by the pharmacist under the collaborative pharmacy practice agreement.
- b. A pharmacist or prescription drug outlet shall not employ a prescriber for the sole purpose of forming a collaborative practice agreement.
- c. Written agreements shall contain the following information:

1. Participating pharmacist name(s);
 2. Participating prescriber name(s);
 3. The nature and scope of evidence-based healthcare services appropriate for certain conditions or diagnoses;
 4. Protocols to be employed;
 5. Functions and activities the pharmacist or pharmacists will perform;
 6. Method, content and frequency of communication to the prescriber;
 7. A provision that allows the prescriber to override any action taken by the pharmacist when the prescriber deems it to be necessary;
 8. An effective date of the agreement, and signatures of both the participating prescriber or prescribers and pharmacist or pharmacists; and
 9. A provision addressing how evidence-based healthcare services will be handled and communicated when the patient has more than one prescriber involved in evaluating or treating the medical condition which is the subject of the agreement.
- d. A protocol pursuant to an agreement between a pharmacist or pharmacists and a prescriber or prescribers shall, at minimum, contain the following information:
1. The nature and scope of evidence-based healthcare services appropriate for certain conditions or diagnoses, and include specific directions for the patient information to be obtained, the drug therapies to be dispensed, the specified dosage regimen, and dosage forms and route of administration which are authorized. Protocols must include criteria and specific directions pharmacists are to follow when providing evidence-based healthcare services. If the protocol includes conducting physical assessments or ordering and evaluating laboratory or other tests, the protocol shall provide precise instruction as to what assessments are needed to be conducted and what tests are to be ordered, the criteria for ordering the assessments and tests, how the assessments and tests are to be interpreted, and what action the pharmacist is to take dependent upon the assessments and test results;
 2. The pharmacist training necessary to perform the functions set forth in the protocol;
 3. Specific instructions for responding to acute allergic or other adverse reactions, if applicable;
 4. A plan of treatment guided by or based on current, objective, supportive scientific evidence as published in scientific literature that provides the generally accepted standard of care in all applicable professions;
 5. Specific criteria upon which a patient must not be provided care under the protocol and instead referred to the patient's primary care provider for services; and

6. An effective date of the protocol, and signatures of the authorized prescriber or prescribers.

e. Additionally to all items described above, the following applies to CDTM:

1. Drug therapy management may include:

- a. Collecting and reviewing patient drug histories;
- b. Obtaining and checking vital signs;
- c. Ordering and evaluating the results of laboratory tests directly, related to management of the drug therapy;
- d. Initiate, modify, or discontinue drug therapy or therapies, when appropriate, in compliance with the protocol ordered by the prescriber;
- e. Implementing the drug therapy plan agreed upon between the prescriber(s) and the pharmacist(s), using protocols and managing the therapy according to those protocols; and
- f. Provision of other healthcare services as agreed upon in the protocol as relating to drug therapy management.

2. CDTM protocol means a specific written plan for course of medical treatment containing a written set of specific directions created by the prescriber, groups of prescribers, hospital medical committee, pharmacist, groups of pharmacists, or a pharmacy and therapeutics committee.

- a. Protocols must describe the nature and scope of drug therapy management appropriate to conditions or diagnosis, and include specific treatment protocol. Protocols must include clear criteria and specific direction for the pharmacist to follow, based on evidence-based guidelines, when implementing, monitoring, or discontinuing drug therapy or therapies.
- b. The protocols shall be signed and dated by the authorizing prescriber or chairperson of the authorizing group or committee.
- c. Evidence-based protocols. Protocols used by prescribers and pharmacists engaging in drug therapy management must demonstrate a plan of treatment that constitutes evidence-based medicine. This means that the plan of treatment must be guided by or based on current, objective, supportive scientific evidence as published in scientific literature rather than anecdotal observations.

f. Agreement means a written agreement between a Colorado pharmacist and a Colorado prescriber, or a group of Colorado pharmacists and Colorado prescribers. Either party may withdraw from the agreement at any time.

17.00.80 Collaborative drug therapy management requirements for all practice settings.

- a. Collaborative drug therapy management may only be conducted by a pharmacist or pharmacists upon the presentation of a valid order for one or more patients from one or more prescribers. The order must specify the protocol to be used, and the protocol must

either accompany the other, otherwise be provided to the pharmacist(s) in advance of starting drug therapy management.

b. The pharmacist(s) must ensure that the prescriber(s) with whom the pharmacist(s) is/are working is/are licensed in Colorado, in good standing, and the protocols used are within the scope of the prescriber's current license.

c. Prior to initiation of drug therapy management in any setting, the pharmacist or institution must inform the patient that s/he may refuse to participate in drug therapy management. Inpatient or integrated health system settings may use the patient's signature on the institution's general consent to treat as the patient's indication to participate in drug therapy management.

d. At a minimum, the written agreement for carrying out drug therapy management between prescribers and pharmacists shall be reviewed annually, and revised, if necessary.

e. Pharmacists may perform by protocol all aspects of drug therapy management referenced in 6.00.10(c) and (d), provided the protocol complies with 6.00.10(e), and the pharmacist performing these functions are qualified as set forth in section 6.00.30 and are working pursuant to a written agreement with an appropriate qualified prescriber.

f. Filing requirements.

1. Pharmacists engaging in collaborative drug therapy management must maintain a current copy of the written agreement between the prescriber and the pharmacist at the location where drug therapy management is occurring. Upon requests by the Board or its inspectors, such written agreements and general authorization plans shall be submitted to the Board.

2. Pharmacists practicing collaborative drug therapy management must also provide to the Board documentation of their successful completion of all qualification requirements as set forth below in 6.00.30 upon request. Copies of pharmacy degrees are not required. Copies of completion of residence or other education programs or certifications must be on file in the location of practice. Attestations from the supervising pharmacist or prescriber for clinical practice must be on file.

3. Pharmacists practicing collaborative drug therapy management must have a copy of the pertinent protocols at which they are practicing. Upon request by Board inspectors, pharmacists must produce the scientific literature upon which their protocols are derived.

17.01.00 Record-Keeping Requirements.

a. Pharmacists ~~Pharmacists engaging in evidence-based healthcare services~~ shall maintain all records of collaborative pharmacy practice agreements, and have readily available for inspection by the Board or its inspectors at the location where evidence-based healthcare services are provided, the following:

1. A current copy of the statewide protocol;
2. The agreement and protocol entered into with a prescriber or prescribers;

3. Documentation reflecting all necessary pharmacist training as specified in either the statewide protocol or protocol entered into with a prescriber or prescribers; and
4. The scientific literature upon which the protocols pursuant to an agreement with a prescriber or prescribers are derived.

be. Records pertaining to all prescriptions dispensed pursuant to this Board Rule 17.00.00 shall comply with all provisions of Board Rules 2.00.00, 3.00.00, and 11.00.00 and, if applicable, Board Rules 20.00.00, 21.00.00, and 26.00.00.

17.02.00 Retention of Records.

- a. All records of collaborative pharmacy agreements ~~All records of evidence-based healthcare services~~ shall be retained for a minimum of three ~~(3)~~ years from the last date of healthcare service. Such records shall be available for inspection by the patient, the prescriber or prescribers, the Board or its inspectors, or any other authorized local, state, or federal law enforcement or regulatory agency.

...

17.03.00 Confidentiality.

...

- b. Patient information is confidential and may be released only as authorized by state and federal law. All protected health information obtained and maintained, including that obtained from the physician or other providers, must be strictly controlled in accordance with the requirements of Health Insurance Portability and Accountability Act of 1996, the HITECH Act of 2009, and other federal and state laws and rules.

17.04.00 Participation Not Mandatory

- a. No person or entity, as a condition of employment, participation on an insurance provider panel, or otherwise, shall require any prescriber to participate in or authorize collaborative practice agreements.

17.05.00 Board Review

- a. Board staff will review compliance with this rule and report to the Board regarding complaints and other relevant data associated with the rule every three years. and any rules promulgated pursuant to the act and other federal and state laws and rules. Specifically, pharmacists can only release patient information to:
 1. The patient or the patient's agent;
 2. A practitioner or another pharmacist if, in the pharmacist's professional judgment, the release is necessary to protect the patient's health and well-being;
 3. The Board or to a person or another state or federal agency authorized by law to receive the confidential record;

- 4. ~~A person employed by a state agency that licenses a practitioner, if the person is performing the person's official duties; and/or~~
- 5. ~~An insurance carrier or other third party payer authorized by the patient to receive the information.~~

19.00.00 ADMINISTRATION.

19.01.00 Vaccines and Immunizations.

19.01.10 Qualifications.

- a. A pharmacist certified in immunization, or pharmacy intern under the supervision of a pharmacist certified in immunization, may administer vaccines and immunizations per authorization of a physician. A copy of the authorization shall be maintained at the prescription drug outlet. Routine childhood immunizations, as defined by the Colorado State Board of Health, shall comply with CDC guidelines.

b. Pharmacy interns, as directly part of their normal schedule or college of pharmacy curriculum, who are trained to administer vaccines and immunizations under this Board Rule 19.01.10(c) may administer vaccines and immunizations under the direct supervision of another regulated individual as defined by Board Rule 4.00.10(l) authorized by law to administer vaccines and immunizations as part of their scope of practice.

- cb. Licensees shall be considered "trained" to administer vaccines and immunizations to a person only if:

...

...

23.00.10 Definitions:

- a. "Bona fide investigation," for purposes of an investigation of an individual prescriber under investigation by a state regulatory board, means:

1. Any investigation conducted by any state regulatory board within the Colorado Division of Professions and Occupations, or the Director of the Colorado Division of Professions and Occupations and
2. Investigations pertaining to matters which are the subject of a complaint or notice of charges pending in the Office of Administrative Courts so long as the information obtained from the PDMP is made available by the state regulatory board to the respondent in the pending case.

- b. "Bona fide research or education" means research conducted by qualified entities whose recognized primary purpose is scientific inquiry; the results of which would likely contribute to the basic knowledge of prescribing practitioners, dispensing pharmacists, or entities for the purpose of curtailing substance abuse of consumers. The Board shall determine in its discretion on a case-by-case basis whether an individual or entity seeking access to the PDMP pursuant to [section CRS 12-28042.5-404\(65\), C.R.S.](#), constitutes "bona fide research or education" conducted by qualified personnel for purposes of satisfying the statutory limitations therein.

- c. "Client", as it pertains to a licensed veterinarian's use of the PDMP, means the patient's owner, the owner's agent, or a person responsible for the patient.
- d. "Clinical patient care services" means pharmaceutical care provided in a clinical setting. The pharmacist providing clinical patient care services must be working closely with the physician/prescriber responsible for the patient's care. "Clinical patient care services" do not include monitoring previously dispensed prescriptions for any purpose in the absence of a current assessment of a patient whether in a clinical setting or not.
- e. "Law Enforcement Official" means any of the following:
1. Sheriff;
 2. Undersheriff;
 3. Certified deputy sheriff;
 4. Coroner;
 54. Police Officer;
 65. Southern Ute Police Officer;
 76. Ute Mountain Ute police officer;
 87. Town marshall;
 98. CBI director and agents;
 109. Colorado state patrol officer;
 1110. Colorado attorney general and any entity designated as "peace officers" by the Attorney General or acting on behalf of a state agency;
 1211. Attorney general criminal investigator;
 1312. District attorney and all assistants, deputies, etc. statutorily defined as "peace officers;"
 1413. District Attorney chief investigator and investigators;
 1514. Police administrator and police officers employed by the Colorado State Hospital in Pueblo; and
 1615. Federal special agents.

23.00.70 PDMP Access Release of PDMP Information

The PDMP shall be available for query only to the following persons or groups of persons:

- a. Board staff responsible for administering the PDMP;

- ~~b. — Any licensed practitioner, or up to three (3) trained individuals designated by the practitioner by way of registered PDMP sub-accounts of the prescriber to act on the prescriber's behalf in accordance with 12-42.5-403(1.5)(b), (c) and (d), C.R.S., with the statutory authority to prescribe controlled substances to the extent the query relates to a current patient of the practitioner;~~
- ~~c. — Any licensed veterinarian with statutory authority to prescribe controlled substances, to the extent the query relates to a current patient or to a client and if the veterinarian, in the exercise of professional judgment, has a reasonable basis to suspect the client has committed drug abuse or has mistreated an animal.~~
- ~~d. — Licensed pharmacists, or up to three (3) trained individuals designated by the pharmacist by way of registered PDMP sub-accounts of the pharmacist to act on the pharmacist's behalf in accordance with 12-42.5-403(1.5)(b), (c) and (d), C.R.S., or a pharmacist licensed in another state, with statutory authority to dispense controlled substances to the extent the information requested relates specifically to a current patient to whom the pharmacist is dispensing or considering dispensing a controlled substance or prescription drug or a patient to whom the pharmacist is currently providing clinical patient care services;~~
- ~~e. — Practitioners engaged in a legitimate program to monitor a patient's controlled substance abuse;~~
- ~~f. — Medical examiners who are physicians licensed pursuant to Article 240 of Title 12, whose license is in good standing, and who is located and employed in the State of Colorado, or a coroner elected pursuant to section 30-10-601, C.R.S.;~~
- ~~g. — Law enforcement officials so long as the information released is specific to an individual patient, prescriber, or prescription drug outlet and part of a bona fide investigation and the request for information is accompanied by an official court order or subpoena. Such official court orders or subpoenas shall be submitted with the Board-provided form;~~
- a.hg. The individual who is the recipient of a controlled substance prescription so long as the information released is specific to such individual. The procedure for individuals to obtain such information is as follows:
 - 1. The individual shall submit a written, signed request to the Board on the Board-provided form;
 - 2. The individual shall provide valid photographic identification prior to obtaining the PDMP information;
 - 3. An individual submitting a request on behalf of another individual who is the recipient of a controlled substance prescription may only obtain PDMP information if the following documents are provided:
 - (A) The original document establishing medical durable power of attorney of the individual submitting the request as power of attorney for the individual who is the recipient of the controlled substance prescription, and
 - (B) Valid photographic identification of the individual submitting the request.
- ~~ih. — State regulatory boards within the Colorado Division of Professions and Occupations and the Director of the Colorado Division of Professions and Occupations so long as the~~

~~information released is specific to an individual prescriber and is part of a bona fide investigation and the request for information is accompanied by an official court order or subpoena. Such official court orders or subpoenas shall be submitted with the Board-provided form; and~~

~~ji. A resident physician with an active physician training license issued by the Colorado medical board pursuant to section 12-36-122 and under the supervision of a licensed physician to the extent the query relates to a current patient of the resident physician to whom the resident physician is prescribing or considering prescribing a controlled substance.~~

~~kj. The Department of Public Health and Environment for purposes of population-level analysis, but any use of the program data by the department is subject to the federal "Health Insurance Portability and Accountability Act of 1996 (HIPAA) and any rules promulgated pursuant to HIPAA, including the requirement to remove any identifying data unless exempted from the requirement.~~

b.lk. A person authorized to access the PDMP may knowingly release PDMP information specific to an individual or to the individual's treating providers in accordance with HIPAA, Pub.L. 104-191, as amended, and any rules promulgated pursuant to HIPAA without violating Part 4 of Title 12, Article 28042-5.

...

29.00.00 PHARMACY TECHNICIANS

Rule 29.00.30 Certification requirements.

a. An applicant for a provisional or non-provisional certification shall submit an application as provided by the Board and the prescribed fee.

b. An applicant for a non-provisional certification shall submit proof that the applicant is certified by a nationally recognized certification board or body. For the purpose of obtaining a Board-issued non-provisional certification to practice as a pharmacy technician, the Board defines a "nationally recognized certification board or body" for pharmacy technicians as those boards or bodies approved by the National Association of Boards of Pharmacy (NABP) or the National Commission of Certifying Agencies (NCCA).

c. Each applicant for a provisional or non-provisional certification shall:

(1) Provide proof satisfactory to the Board that the applicant submitted to a criminal history check as a condition of employment at a pharmacy or other outlet, as required by the applicant's current employer, as a condition of participating in a course of study for or with a certifying board or body, or in connection with obtaining certification from a certifying board or body; or

(2) Have his or her fingerprints taken by a local law enforcement agency or any third party approved by the Colorado bureau of investigation for the purpose of obtaining a fingerprint-based criminal history record check. If an approved third party takes the person's fingerprints, the fingerprints may be electronically captured using Colorado bureau of investigation-approved livescan equipment. Third-party vendors shall not keep the applicant information for more than thirty

days unless requested to do so by the applicant. The applicant shall submit payment by certified check or money order for the fingerprints and for the actual costs of the record check at the time the fingerprints are submitted to the Colorado bureau of investigation. Upon receipt of fingerprints and receipt of the payment for costs, the Colorado bureau of investigation shall conduct a state and national fingerprint-based criminal history record check utilizing records of the Colorado bureau of investigation and the federal bureau of investigation and shall forward the results of the criminal history record check to the Board.

Notice of Proposed Rulemaking

Tracking number

2019-00408

Department

900 - Department of Law

Agency

902 - Administrator-Uniform Consumer Credit Code and Commission on Consumer Credit

CCR number

4 CCR 902-3

Rule title

Colorado Student Loan Servicers Act Rules

Rulemaking Hearing

Date

09/23/2019

Time

02:00 PM

Location

Ralph L. Carr Colorado Judicial Center, 1300 Broadway, Denver, Colorado 80203, Room 1A

Subjects and issues involved

The purpose of this rule making is to set license and investigation fees under the Colorado Student Loan Servicers Act, sections 5-20-101, et seq., C.R.S. and to establish a procedure for licensees to document their eligibility for an exemption pursuant to section 5-20-106(1), C.R.S.

Statutory authority

§ 5-20-106, § 5-20-107, and § 5-20-110(5), C.R.S.

Contact information

Name

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DEPARTMENT OF LAW

Administrator – Uniform Consumer Credit Code

COLORADO STUDENT LOAN SERVICERS ACT RULES

4 CCR 902-3

Rule 1. Nonrefundable Initial and Annual Renewal License Fees for Student Loan Servicers

The amount of the initial license fee for a license commencing January 31, 2020 for a student loan servicer is \$12,500. The amount of the annual renewal fee is \$12,500. The amount of the initial license fee and the annual renewal fee may be reduced or increased periodically based upon the Administrator's determination of anticipated changes to the cost of administering the Student Loan Servicer Act.

Rule 2. Nonrefundable Investigation Fee

The investigation fee for a student loan servicer, applicant for licensure pursuant to 5-20-106(2), C.R.S. is \$500 and must be paid only at the time of and in conjunction with the initial license application.

Rule 3. Federal Contractor Exemption

A student loan servicer seeking licensure pursuant to section 5-20-106(1), C.R.S., shall document eligibility for the exemption by submitting at least one of the following documents:

- A. The signed signature page to a currently operative contract showing that the servicer is a party to a contract awarded by the United States Secretary of Education under section 20 1087f, U.S.C.; or
- B. Any other document that serves as the functional equivalent to (A), which will be judged in the Administrator's sole discretion.

COLORADO DEPARTMENT OF LAW
Administrator – Uniform Consumer Credit Code
Statement of Basis, Specific Statutory Authority, and Purpose

4 CCR 902-3

In the 2019 legislative session, the Colorado General Assembly passed the Colorado Student Loan Servicers Act, sections 5-20-101, *et seq.*, C.R.S. (“CSLSA”). The CSLSA requires student loan servicers to obtain a license from the Administrator of the Uniform Consumer Credit Code in the Department of Law. Section 5-20-110(5), C.R.S., provides that the Administrator shall adopt rules as necessary to implement the CSLSA. The specific statutory authority for these rules is contained in sections 5-20-106, 5-20-107, and 5-20-110(5), C.R.S.

Section 5-20-107, C.R.S., requires that the Administrator determine the amount of fees required and that a person applying for licensure must pay, as applicable, an initial license fee, an annual renewal license fee, and (for non-federal contractors) an investigative fee. Section 5-20-106(1)(a), C.R.S., requires that the Administrator prescribe the procedure to document eligibility for automatic licensure for federal student loan servicing contractors.

The Administrator must set the initial and annual renewal license fee at a level sufficient to cover the cost of administering the CSLSA. That cost is estimated to be approximately \$433,000 based on the addition of three full time employees to assist the Administrator in operating the CSLSA program and other operating expenses. Based on license applications received in other states that license student loan servicers and the scope of the CSLSA, the Administrator estimates that there will be approximately 35 applicants for student loan servicer licenses. Based on these figures, the nonrefundable initial and annual renewal license fee will be \$12,500 per applicant, which is an amount estimated to cover the costs of administering the CSLSA. To be specific, 35 estimated license application fees of \$12,500 each will amount to \$437,500 in revenue. The amount of the initial license fee and annual renewal fee may be reduced or increased periodically based upon the Administrator’s determination of anticipated changes to the cost of administering the Student Loan Servicer Act.

The Administrator must set an investigative fee to cover the varying time and expense of investigating each new student loan servicer license applicant that applies pursuant to 5-20-106(2), C.R.S. The Administrator estimates that such cost is \$500 per applicant based on similar application processes that the Administrator operates under other statutes.

A person seeking to act within the state as a student loan servicer is exempt from the application procedures described in 5-20-106(2), C.R.S., if the

Administrator determines the person is a party to a contract awarded by the United States Secretary of Education under section 20 1087f, U.S.C., as amended. To document eligibility for the exemption, the Administrator prescribes the following procedures: production of either (A) a signed signature page to a currently operative contract awarded by the United States Secretary of Education under section 20 1087f, U.S.C., or (B) any other document that serves as the functional equivalent to (A), which will be judged in the Administrator's sole discretion.

Notice of Proposed Rulemaking

Tracking number

2019-00393

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-31

Rule title

REGULATION NO. 31 - THE BASIC STANDARDS AND METHODOLOGIES FOR
SURFACE WATER

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

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COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Classifications and Numeric Standards for Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- Classifications and Numeric Standards for South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as:

- Exhibit 1 - Regulation #31
- Exhibit 2 - Regulation #32
- Exhibit 3 - Regulation #33,
- Exhibit 4 - Regulation #34,
- Exhibit 5 - Regulation #35,
- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator

Exhibit 1
Water Quality Control Division
Regulation #31

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 31 - THE BASIC STANDARDS AND METHODOLOGIES FOR SURFACE WATER

5 CCR 1002-31

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

31.16 TABLES

TABLE III - METAL PARAMETERS

TABLE III METAL PARAMETERS (Concentration in µg/l)						
METAL ⁽¹⁾	AQUATIC LIFE ^{(1)(3)(4)(J)}		AGRICULTURE ⁽²⁾	DOMESTIC WATER-SUPPLY ⁽²⁾	WATER + FISH ⁽⁷⁾	FISH INGESTION ⁽¹⁰⁾
	ACUTE	CHRONIC				
Aluminum	e ^{(1.3695[ln(hardness)]+1.8308)} (tot.rec.)	87 or e ^{(1.3695[ln(hardness)]-0.1158)} (tot.rec.) ⁽¹¹⁾			---	---
Antimony				6.0 (30-day)	5.6	640
Arsenic	340	150	100 ^(A) (30-day)	0.02 – 10 ⁽¹³⁾ (30-day)	0.02	7.6
Barium				1,000 ^(E) (1-day) 490 (30-day)	---	---
Beryllium			100 ^(A,B) (30-day)	4.0 (30-day)	---	---
Cadmium	$\frac{(1.136672 - [\ln(\text{hardness})] \times 3.1485)}{(0.041838)}} \times e^{0.915[\ln(\text{hardness})]}$ $\frac{(\text{Trout})}{(0.041838)}} \times e^{0.915[\ln(\text{hardness})]}$ $\frac{3.6236}{\text{Warm}^{(17)} = (1.136672 - [\ln(\text{hardness})] \times 0.041838))} \times e^{(0.9789 \times \ln(\text{hardness}) - 3.443)}$ $\frac{\text{Cold}^{(17)} = (1.136672 - [\ln(\text{hardness})] \times 0.041838))}{0.041838)}} \times e^{(0.9789 \times \ln(\text{hardness}) - 3.866)}$	$\frac{(1.101672 - [\ln(\text{hardness})] \times 0.7999[\ln(\text{hardness})] + 4.445)}{(1.101672 - [\ln(\text{hardness})] \times 0.041838))} \times e^{(0.7977 \times \ln(\text{hardness}) - 3.909)}$	10 ^(B) (30-day)	5.0 ^(E) (1-day)	---	---
Chromium III ⁽⁵⁾	e ^{(0.819[ln(hardness)]+2.5736)}	e ^{(0.819[ln(hardness)]+0.5340)}	100 ^(B) (30-day)	50 ^(E) (1-day)	---	---
Chromium VI ⁽⁵⁾	16	11	100 ^(B) (30-day)	50 ^(E) (1-day)	100(30-day)	---
Copper	e ^{(0.9422[ln(hardness)]-1.7408)}	e ^{(0.8545[ln(hardness)]-1.7428)}	200 ^(B)	1,000 ^(F) (30-day)	1,300	---
Iron		1,000(tot.rec.) ^(A,C)		300(dis) ^(F) (30-day)	---	---
Lead	$\frac{(1.46203 - [(\ln(\text{hardness})^* (0.145712))] \times e^{(1.273[\ln(\text{hardness})]-1.46)})}{(0.145712)}} \times e^{(1.273[\ln(\text{hardness})]-1.46)}$	$\frac{(1.46203 - [(\ln(\text{hardness})^* (0.145712))] \times e^{(1.273[\ln(\text{hardness})]-4.705)})}{(0.145712)}} \times e^{(1.273[\ln(\text{hardness})]-4.705)}$	100 ^(B) (30-day)	50 ^(E) (1-day)	—	---
Manganese	e ^{(0.3331[ln(hardness)]+6.4676)}	e ^{(0.3331[ln(hardness)]+5.8743)}	200 ^(B) (30-day) ⁽¹²⁾	50(dis) ^(F) (30-day)	—	---

Table III – Footnotes

- (1) Metals for aquatic life use are stated as dissolved unless otherwise specified.

Where the hardness-based equations in Table III are applied as table value water quality standards for individual water segments, those equations define the applicable numerical standards. As an aid to persons using this regulation, Table IV provides illustrative examples of approximate metals values associated with a range of hardness levels. This table is provided for informational purposes only.

- (2) Metals for agricultural and domestic uses are stated as total recoverable unless otherwise specified.

- (3) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/l. The exception is for aluminum, where the upper cap on calculations is a hardness of 220 mg/l. For permit effluent limit calculations, the hardness values used in calculating the appropriate metal standard should be based on the lower 95 percent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site specific data. Where insufficient site specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not possible, a site specific method should be used, e.g., where hardness data exists without paired flow data, the mean of the hardness during the low flow season established in the permit shall be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist. For determination of standards attainment, where paired metal/hardness data is available, attainment will be determined for individual sampling events. Where paired data is not available, the mean hardness will be used.

- (4) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.

- (5) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of hexavalent and trivalent chromium exceed the water supply standard of 50 µg/l chromium in those waters classified for domestic water use.

- (6) FRV means Final Residue Value and should be expressed as "Total" because many forms of mercury are readily converted to toxic forms under natural conditions. The FRV value of 0.01 µg/liter is the maximum allowed concentration of total mercury in the water. This value is estimated to prevent bioaccumulation of methylmercury in edible fish or shellfish tissue above the fish tissue standard for methylmercury of 0.3 mg/kg.

In waters supporting populations of fish or shellfish with a potential for human consumption, the Commission can adopt the FRV as the stream standard to be applied as a 30 day average. Alternatively, the Commission can adopt site specific ambient based standards for mercury in accordance with section 31.7(1)(b)(ii) and (iii). Site-specific water-column standards shall be calculated from the site-specific bioaccumulation factor, using measured water column concentrations of total mercury and measured fish tissue concentrations of methylmercury. Fish tissue data shall be collected from species of the highest trophic level present in the water body. Fish tissue samples should include older, larger individuals present in the water body. A bioaccumulation factor should be calculated separately for each species sampled, and the highest bioaccumulation factor should be used to calculate the site-specific water column standard in order to prevent the average fish tissue concentrations from exceeding 0.3 mg/kg for all species.

- (7) Applicable to all Class 1 aquatic life segments which also have a water supply classification or Class 2 aquatic life segments which also have a water supply classification designated by the Commission after rulemaking hearing. These Class 2 segments will generally be those where fish of a catchable size and which are normally consumed are present, and where there is evidence that fishing takes place on a recurring basis. The Commission may also consider additional evidence that may be relevant to a determination whether the conditions applicable to a particular segment are similar enough to the assumptions underlying the water plus fish ingestion criteria to warrant the adoption of water plus fish ingestion standards for the segment in question.
- (8) The use of 0.1 micron pore size filtration for determining dissolved iron is allowed as an option in assessing compliance with the drinking water standard.
- (9) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.
- (10) Applicable to the following segments which do not have a water supply classification: all Class 1 aquatic life segments or Class 2 aquatic life segments designated by the Commission after rulemaking hearing. These class 2 segments will generally be those where fish of a catchable size and which are normally consumed are present, and where there is evidence that fishing takes place on a recurring basis. The Commission may also consider additional evidence that may be relevant to a determination whether the conditions applicable to a particular segment are similar enough to the assumptions underlying the fish ingestion criteria to warrant the adoption of fish ingestion standards for the segment in question.
- (11) Where the pH is equal to or greater than 7.0 in the receiving water after mixing, the chronic hardness-dependent equation will apply. Where pH is less than 7.0 in the receiving water after mixing, either the 87 µg/l chronic total recoverable aluminum criterion or the criterion resulting from the chronic hardness-dependent equation will apply, whichever is more stringent.
- (12) This standard is only appropriate where irrigation water is applied to soils with pH values lower than 6.0.
- (13) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (14) The chronic zinc equation for sculpin applies in areas where mottled sculpin are expected to occur and hardness is less than 102 ppm CaCO₃. The regular chronic zinc equation applies in areas where mottled sculpin are expected to occur, but the hardness is greater than 102 ppm CaCO₃.

- (15) In determining whether adoption of a molybdenum standard is appropriate for a segment, the Commission will consider whether livestock or irrigated forage is present or expected to be present. The table value assumes that copper and molybdenum concentrations in forage are 7 mg/kg and 0.5 mg/kg respectively, forage intake is 6.8 kg/day, copper concentration in water is 0.008 mg/l, water intake is 54.6 l/day, copper supplementation is 48 mg/day, and that a Cu:Mo ratio of 4:1 is appropriate with a 0.075 mg/l molybdenum margin of safety. Numeric standards different than the table-value may be adopted on a site-specific basis where appropriate justification is presented to the Commission. In evaluating site-specific standards, the relevant factors that should be considered include the presence of livestock or irrigated forage, and the total intake of copper, molybdenum, and sulfur from all sources (i.e., food, water, and dietary supplements). In general, site-specific standards should be based on achieving a safe copper:molybdenum total exposure ratio, with due consideration given to the sulfur exposure. A higher Cu:Mo ratio may be necessary where livestock exposure to sulfur is also high. Species specific information shall be considered where cattle are not the most sensitive species.
- (16) When applying the table value standards for uranium to individual segments, the Commission shall consider the need to maintain radioactive materials at the lowest practical level as required by Section 31.11(2) of the Basic Standards regulation.
- (17) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.

31.57 STATEMENT OF BASIS SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted, in compliance with 24-4-103(4) C.R.S., the following statement of basis and purpose.

BASIS AND PURPOSE

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

Exhibit 2
Water Quality Control Division
Regulation #32

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 32 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR ARKANSAS RIVER BASIN

5 CCR 1002-32

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

32.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 32-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (T)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$ pH equal to or greater than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ pH less than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is more stringent</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N) Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028(25 - T)})$ <p>Warm Water = (mg/l as N) Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$ $chronic (Apr 1 - Aug 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028(25 - T)})$ $chronic (Sep 1 - Mar 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028(25 - MAX(T, 7))}$

Cadmium	$\text{Acute(warm)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.443)}$ $\text{Acute(cold)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.866)}$ $\text{Chronic} = (1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 * \ln(\text{hardness}) - 3.909)}$ $\text{Acute} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.1485}$ $\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.6236}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.7998[\ln(\text{hardness})] - 4.4451}$					
Chromium III ⁽⁵⁶⁾	$\text{Acute} = e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ $\text{Chronic} = e^{(0.819[\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ⁽⁵⁶⁾	$\text{Acute} = 16$ $\text{Chronic} = 11$					
Copper	$\text{Acute} = e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ $\text{Chronic} = e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$					
Lead	$\text{Acute} = (1.46203 - [\ln(\text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 1.46)}$ $\text{Chronic} = (1.46203 - [\ln(\text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 4.705)}$					
Manganese	$\text{Acute} = e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ $\text{Chronic} = e^{(0.3331[\ln(\text{hardness})] + 5.8743)}$					
Nickel	$\text{Acute} = e^{(0.846[\ln(\text{hardness})] + 2.253)}$ $\text{Chronic} = e^{(0.846[\ln(\text{hardness})] + 0.0554)}$					
Selenium ⁽⁶⁷⁾	$\text{Acute} = 18.4$ $\text{Chronic} = 4.6$					
Silver	$\text{Acute} = \frac{1}{2}e^{(1.72[\ln(\text{hardness})] - 6.52)}$ $\text{Chronic} = e^{(1.72[\ln(\text{hardness})] - 9.06)}$ $\text{Chronic(Trout)} = e^{(1.72[\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
					MWAT	DM
	Cold Stream Tier 1	CS-I	brook trout, cutthroat trout	June – Sept.	17.0	21.7
				Oct. – May	9.0	13.0
	Cold Stream Tier 2	CS-II	Other cold-water species	April – Oct.	18.3	24.3
				Nov. – March	9.0	13.0
	Cold Lakes ⁽⁷⁸⁾	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. – March	9.0	13.0
	Cold Large Lakes (>100 acres surface area) ⁽⁷⁸⁾	CLL	rainbow trout, brown trout, lake trout	April – Dec.	18.3	24.2
				Jan. – March	9.0	13.0
	Warm Stream Tier 1	WS-I	common shiner, Johnny darter,	March – Nov.	24.2	29.0

			orangethroat darter, stonecat	Dec. – Feb.	12.1	24.6
	Warm Stream Tier 2	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	25.2
	Warm Stream Tier 3	WS-III	all other warm-water species	March – Nov.	28.7	31.8
				Dec. – Feb.	14.3	24.9
	Warm Lakes	WL	black crappie, bluegill, common carp, gizzard shad, golden shiner, largemouth bass, northern pike, pumpkinseed, sauger, smallmouth bass, spottail shiner, stonecat, striped bass, tiger muskellunge, walleye, wiper, white bass, white crappie, yellow perch	April – Dec.	26.2	29.3
				Jan. – March	13.1	24.1
Uranium	Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$ Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$					
Zinc	Acute = $0.978 \cdot e^{(0.9094[\ln(\text{hardness})]+0.9095)}$ Chronic = $0.986 \cdot e^{(0.9094[\ln(\text{hardness})]+0.6235)}$					

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In

warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the commission on a site-specific basis where appropriate evidence is submitted.

(5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.

(56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.

(67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.

(78) Lake trout-based summer temperature criteria [16.6 (ch), 22.4 (ac)] apply where appropriate and necessary to protect lake trout from thermal impacts.

32.64 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION January 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

A. Aquatic Life Standards for Cadmium

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

During the 2018 basin review, the commission adopted EPA's 2016 recommended criteria as site-specific standards in select cold water segments. The updated table value standards for cold waters are the same as EPA's 2016 recommended criteria. Therefore, to reflect the commission's state-wide adoption of the updated table value standards, the cadmium "SSE" were replaced with "TVS" on the following segments:

Upper Arkansas River: 1a, 2b (acute only), 2c (acute only), 3, 4a, 5a, 5b, 7, 11, 12a

B. Clarifications to Appendix 32-1

To improve the clarity and usability of the tables, an acronym list was added to the front of Appendix 32-1 and the footnote referencing Section 32.6 was also simplified.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-32

**REGULATION NO. 32
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
ARKANSAS RIVER BASIN**

**APPENDIX 32-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2019~~ 06/30/2020

Abbreviations and Acroynms

Aq	=	<u>Aquatic</u>
°C	=	<u>degrees Celsius</u>
CL	=	<u>cold lake temperature tier</u>
CLL	=	<u>cold large lake temperature tier</u>
CS-I	=	<u>cold stream temperature tier one</u>
CS-II	=	<u>cold stream temperature tier two</u>
D.O.	=	<u>dissolved oxygen</u>
DM	=	<u>daily maximum temperature</u>
DUWS	=	<u>direct use water supply</u>
E. coli	=	<u><i>Escherichia coli</i></u>
EQ	=	<u>existing quality</u>
mg/L	=	<u>milligrams per liter</u>
mg/m ²	=	<u>milligrams per square meter</u>
mL	=	<u>milliliter</u>
MWAT	=	<u>maximum weekly average temperature</u>
OW	=	<u>outstanding waters</u>
SSE	=	<u>site-specific equation</u>
T	=	<u>total recoverable</u>
t	=	<u>total</u>
tr	=	<u>trout</u>
TVS	=	<u>table value standard</u>
µg/L	=	<u>micrograms per liter</u>
UP	=	<u>use-protected</u>
WS	=	<u>water supply</u>
WS-I	=	<u>warm stream temperature tier one</u>
WS-II	=	<u>warm stream temperature tier two</u>
WS-III	=	<u>warm stream temperature tier three</u>
WL	=	<u>warm lake temperature tier</u>

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

1a. All streams and wetlands within Mount Massive and Collegiate Peaks Wilderness areas.								
COARUA01A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---	
Other: *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838)) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
					Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		acute			chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

1b. Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.								
COARUA01B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Aq Life Cold 1	DM	MWAT	acute		chronic		
Reviewable	Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Water Supply	acute	chronic	Arsenic(T)	---	0.02		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	---	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	210	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
Sulfide	---	0.002	Uranium	varies*	varies*			
			Zinc	TVS	TVS			

1b. Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.						
COARUA01B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Aq Life Cold 1	DM	MWAT	acute	chronic	
Reviewable	Recreation E	Temperature °C	CS-I CS-I	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	---	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

2a. Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.							
COARUA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

2b. Mainstem of the Arkansas River from a point immediately above California Gulch to a point immediately above the confluence with Lake Fork.							
COARUA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Other:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
*Designation: 9/30/00 Base-line does not apply		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725)		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.					Copper	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron(T)	---	1000
*Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178)		acute	chronic	Lead	TVS	TVS	
*Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS(tr)
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	---	Zinc	---	SSE*
		Sulfate	---	---	Zinc	SSE*	---
		Sulfide	---	0.002			

2b. Mainstem of the Arkansas River from a point immediately above California Gulch to a point immediately above the confluence with Lake Fork.								
COARUA02B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	---	SSE*	
Other:		D.O. (spawning)	---	7.0	Cadmium	<u>SSE*TVS</u>	---	
*Designation: 9/30/00 Base-line does not apply		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100	
*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725)		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details.			Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000	
*Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178)		Ammonia	TVS	TVS	Lead	TVS	TVS	
*Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.05	---	Silver	TVS	TVS(tr)	
		Phosphorus	---	---	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	---	SSE*	
		Sulfide	---	0.002	Zinc	SSE*	---	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

2c. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.						
COARUA02C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E				Arsenic(T)	0.02
	Water Supply				Cadmium	SSE*
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	SSE*TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Temporary Modification(s):		pH	6.5 - 9.0	---	Chromium III	TVS
Arsenic(chronic) = hybrid		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
					Iron	WS
					Iron(T)	1000
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	0.01
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS(tr)
					Uranium	varies*
					Zinc	SSE*
					Zinc	SSE*

3. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.						
COARUA03	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E				Arsenic(T)	0.02
	Water Supply				Cadmium	SSE*TVS
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	SSE*TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Temporary Modification(s):		pH	6.5 - 9.0	---	Chromium III	TVS
Arsenic(chronic) = hybrid		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
					Iron	WS
					Iron(T)	1000
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	0.01
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS(tr)
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

4a. Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence.							
COARUA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		acute	chronic		Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
*Temperature =		Chloride	---	250	Lead(T)	50	---
DM=CSII and MWAT=CSII from 11/1-3/31		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
DM= 24.8 and MWAT=22.1 from 4/1-10/31		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence, to the inlet of Pueblo Reservoir.							
COARUA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence, to the inlet of Pueblo Reservoir.							
COARUA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021			acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

5a. All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 5b through 12b.

COARUA05A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---
	Recreation E		acute chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	--- SSE*TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium	SSE*TVS ---
Other:		pH	6.5 - 9.0 ---	Cadmium(T)	5.0 ---
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150*	Chromium III	--- TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium III(T)	50 ---
Expiration Date of 12/31/2021				Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
			acute chronic	Iron	--- WS
		Ammonia	TVS TVS	Iron(T)	--- 1000
		Boron	--- 0.75	Lead	TVS TVS
		Chloride	--- 250	Lead(T)	50 ---
		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
		Cyanide	0.005 ---	Mercury(T)	--- 0.01
		Nitrate	10 ---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	Nickel	TVS TVS
		Phosphorus	--- 0.11*	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	Silver	TVS TVS(tr)
				Uranium	varies* varies*
				Zinc	TVS TVS

5b. Mainstem of Trout Creek from its source to Trout Creek Reservoir, including all tributaries and wetlands.

COARUA05B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II CS-II	Arsenic	340 ---
	Recreation E		acute chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	--- SSE*TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium	SSE*TVS ---
Other:		pH	6.5 - 9.0 ---	Cadmium(T)	5.0 ---
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150	Chromium III	--- TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium III(T)	50 ---
Expiration Date of 12/31/2021				Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
			acute chronic	Iron	--- WS
		Ammonia	TVS TVS	Iron(T)	--- 1000
		Boron	--- 0.75	Lead	TVS TVS
		Chloride	--- 250	Lead(T)	50 ---
		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
		Cyanide	0.005 ---	Mercury(T)	--- 0.01
		Nitrate	10 ---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	Nickel	TVS TVS
		Phosphorus	--- 0.11	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	Silver	TVS TVS(tr)
				Uranium	varies* varies*
				Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

6. Mainstem of California Gulch, including all tributaries, from the source to the confluence with the Arkansas River. Mainstem of St. Kevin's Gulch from the source to the confluence with Tennessee Creek.

COARUA06	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Recreation N			Arsenic	---
Qualifiers:		acute	chronic	Cadmium	---
Other:				Chromium III	---
		D.O. (mg/L)	---	Chromium VI	---
		pH	---	Copper	---
		chlorophyll a (mg/m ²)	---	Iron	---
		E. Coli (per 100 mL)	630	Lead	---
		Inorganic (mg/L)		Manganese	---
		acute	chronic	Mercury(T)	---
		Ammonia	---	Molybdenum(T)	---
		Boron	---	Nickel	---
		Chloride	---	Selenium	---
		Chlorine	---	Silver	---
		Cyanide	---	Uranium	varies*
		Nitrate	---	Zinc	---
		Nitrite	---		
		Phosphorus	---		
		Sulfate	---		
		Sulfide	---		

7. Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.

COARUA07	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---
	Water Supply	D.O. (mg/L)	6.0	Cadmium	0.02
Qualifiers:		D.O. (spawning)	7.0	Cadmium	SSE*TVS
Other:		pH	6.5 - 9.0	Cadmium(T)	5.0
		chlorophyll a (mg/m ²)	150	Chromium III	TVS
		E. Coli (per 100 mL)	126	Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	0.75	Iron(T)	1000
		Chloride	250	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury(T)	0.01
		Nitrite	0.05	Molybdenum(T)	150
		Phosphorus	0.11	Nickel	TVS
		Sulfate	WS	Nickel(T)	100
		Sulfide	0.002	Selenium	TVS
				Silver	TVS
				Uranium	varies*
				Zinc	TVS

Temporary Modification(s):
 Arsenic(chronic) = hybrid
 Expiration Date of 12/31/2021
 $*Cadmium(acute) = e^{(0.9789 \ln(hardness) - 3.866)} \cdot (1.136672 - (\ln(hardness) \cdot 0.041838))$
 $*Cadmium(chronic) = e^{(0.7977 \ln(hardness) - 3.909)} \cdot (1.101672 - (\ln(hardness) \cdot 0.041838))$
 $*Uranium(acute) = \text{See 32.5(3) for details.}$
 $*Uranium(chronic) = \text{See 32.5(3) for details.}$

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

8a. Mainstem of Iowa Gulch from the source to the historic upper ASARCO water supply intake at 39.224327, -106.223432.

COARUA08A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS (tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

8b. Mainstem of Iowa Gulch from a point immediately below the historic upper ASARCO water supply intake at 39.224327, -106.223432 to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch).

COARUA08B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	SSE*	TVS
Other: Temporary Modification(s): Cadmium(chronic) = 1.2 Zinc(acute) = 593 Zinc(chronic) = 325 Expiration Date of 6/30/2020 *Cadmium(acute) = (1.136672-[ln(hardness)*0.041838]*e^(0.9789*ln(hardness)-3.5146)) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	---	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
Sulfide	---	0.002					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

9. Mainstem of Iowa Gulch from a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch) to the confluence with the Arkansas River.							
COARUA09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	SSE*	TVS
Other: *Cadmium(acute) = (1.136672-[ln(hardness)*0.041838]*e^(0.9789*ln(hardness)-3.5146) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
Sulfide	---	0.002					
10. Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.							
COARUA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	14.6	10.6
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

11. Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.

COARUA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	750	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other:		D.O. (spawning)	---	7.0	Cadmium	---	SSE*TVS
		pH	5.0-9.0	---	Cadmium	SSE*TVS	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

12a. Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.

COARUA12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

12b. Mainstem of Cottonwood Creek (Chaffee County), from the source to the confluence with the Arkansas River; South Fork of the Arkansas, including all tributaries and wetlands, from the National Forest boundary to the confluence with the Arkansas River.

COARUA12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		acute		chronic	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

13. All tributaries to the Arkansas River, including wetlands, which are on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 12b, 14a, 14c and 15-27.

COARUA13	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																																																
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																																																														
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---																																																																																																																																														
	Recreation E	acute		chronic	Arsenic(T)	---	0.02																																																																																																																																														
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2">Other:</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td colspan="2">Temporary Modification(s):</td><td>chlorophyll a (mg/m²)</td><td>---</td><td>150*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2">Arsenic(chronic) = hybrid</td><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Expiration Date of 12/31/2021</td><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).</td><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="2">*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).</td><td colspan="2">acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td colspan="2">*Uranium(acute) = See 32.5(3) for details.</td><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">*Uranium(chronic) = See 32.5(3) for details.</td><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2"></td><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td colspan="2"></td><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td colspan="2"></td><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td colspan="2"></td><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td colspan="2"></td><td>Phosphorus</td><td>---</td><td>0.11*</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td colspan="2"></td><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	Expiration Date of 12/31/2021					Copper	TVS	TVS	*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Iron	---	WS	*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		acute		chronic	Iron(T)	---	1000	*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS	*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---			Chloride	---	250	Manganese	TVS	TVS/WS			Chlorine	0.019	0.011	Mercury(T)	---	0.01			Cyanide	0.005	---	Molybdenum(T)	---	150			Nitrate	10	---	Nickel	TVS	TVS			Nitrite	0.05	---	Nickel(T)	---	100			Phosphorus	---	0.11*	Selenium	TVS	TVS			Sulfate	---	WS	Silver	TVS	TVS(tr)			Sulfide	---	0.002	Uranium	varies*	varies*						Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																																																														
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS																																																																																																																																														
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---																																																																																																																																														
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS																																																																																																																																														
Expiration Date of 12/31/2021					Copper	TVS	TVS																																																																																																																																														
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).		Inorganic (mg/L)			Iron	---	WS																																																																																																																																														
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		acute		chronic	Iron(T)	---	1000																																																																																																																																														
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS																																																																																																																																														
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T)	50	---																																																																																																																																														
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		Chlorine	0.019	0.011	Mercury(T)	---	0.01																																																																																																																																														
		Cyanide	0.005	---	Molybdenum(T)	---	150																																																																																																																																														
		Nitrate	10	---	Nickel	TVS	TVS																																																																																																																																														
		Nitrite	0.05	---	Nickel(T)	---	100																																																																																																																																														
		Phosphorus	---	0.11*	Selenium	TVS	TVS																																																																																																																																														
		Sulfate	---	WS	Silver	TVS	TVS(tr)																																																																																																																																														
		Sulfide	---	0.002	Uranium	varies*	varies*																																																																																																																																														
					Zinc	TVS	TVS																																																																																																																																														

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

14a. Mainstem of Big Red Creek, Little Red Creek, and Hardscrabble Creek from their sources to their confluence with the Arkansas River.								
COARUA14A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	7.6		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
		acute	chronic	Manganese	TVS	TVS		
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	---	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	0.005	---	Silver	TVS	TVS	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.5	---	Zinc	TVS	TVS	
		Phosphorus	---	0.17				
		Sulfate	---	---				
		Sulfide	---	0.002				
		14b. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from the confluence with Brown's Creek to the Chaffee/Fremont County line, except for the specific listing in segment 12b.						
		COARUA14B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

14c. Mainstems of North and South Hardscrabble Creeks, including all tributaries and wetlands, from their sources to their confluences.								
COARUA14C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=CSI and MWAT=CSI from 11/1-5/31 DM= 22.1 and MWAT=17 from 6/1-10/31		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
				Copper	TVS	TVS		
		Inorganic (mg/L)		Iron	---	WS		
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS		
		14d. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from immediately above the confluence of 6-mile Creek (38.405677, -105.122321) to the inlet to Pueblo Reservoir, except for specific listings in segments 14a, 14c, 14e, 14f, and 15-27.						
		COARUA14D	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic(T)	---	7.6	
	Recreation E		acute	chronic	Beryllium(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III(T)	---	100	
		pH	6.5 - 9.0	---	Chromium VI(T)	---	100	
		chlorophyll a (mg/m²)	---	150*	Copper(T)	---	200	
		E. Coli (per 100 mL)	---	126	Iron	---	---	
				Lead(T)	---	100		
		Inorganic (mg/L)		Manganese	---	---		
		acute	chronic	Mercury(T)	---	---		
		Ammonia	---	---	Molybdenum(T)	---	150	
		Boron	---	0.75	Nickel(T)	---	200	
		Chloride	---	---	Selenium(T)	---	20	
		Chlorine	---	---	Silver	---	---	
		Cyanide	0.2	---	Uranium	varies*	varies*	
		Nitrate	100	---	Zinc(T)	---	2000	
		Nitrite	10	---				
		Phosphorus	---	0.11*				
		Sulfate	---	---				
		Sulfide	---	---				

14d. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from immediately above the confluence of 6-mile Creek (38.405677, -105.122321) to the inlet to Pueblo Reservoir, except for specific listings in segments 14a, 14c, 14e, 14f, and 15-27.

COARUA14D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic(T)	---	7.6
	Recreation E	acute		chronic	Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III(T)	---	100
		pH	6.5 - 9.0	---	Chromium VI(T)	---	100
		chlorophyll a (mg/m²)	---	150*	Copper(T)	---	200
		E. Coli (per 100 mL)	---	126	Iron	---	---
					Lead(T)	---	100
		Inorganic (mg/L)			Manganese	---	---
					Mercury(T)	---	---
					Molybdenum(T)	---	150
		Ammonia			---	---	
		Boron			---	0.75	
		Chloride			---	---	
		Chlorine			---	---	
		Cyanide			0.2	---	
		Nitrate			100	---	
		Nitrite			10	---	
		Phosphorus			---	0.11*	
Sulfate			---	---			
Sulfide			---	---			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

14e. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands from the Chaffee/Fremont County line to immediately below the confluence with Chandler Creek (38.407024,-105.137940). Newlin Creek (except for listings in segment 15b), Mineral Creek, Adobe Creek, and Oak Creek, including all tributaries and wetlands which are not on National Forest Service Land.

COARUA14E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	---	---	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	0.002			

14f. Turkey Creek including all tributaries and wetlands from its source to immediately below the confluence with Little Turkey Creek at 38.594727, -104.851458.

COARUA14F	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic(T)	---	7.6	
	Recreation E	acute		chronic	Beryllium(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10	
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III(T)	---	100	
		pH	6.5 - 9.0	---	Chromium VI(T)	---	100	
		chlorophyll a (mg/m ²)	---	150*	Copper(T)	---	200	
		E. Coli (per 100 mL)	---	126	Iron	---	---	
					Lead(T)	---	100	
		Inorganic (mg/L)			Manganese	---	---	
				acute	chronic	Mercury(T)	---	---
		Ammonia	---	---	Molybdenum(T)	---	150	
		Boron	---	0.75	Nickel(T)	---	200	
		Chloride	---	---	Selenium(T)	---	20	
		Chlorine	---	---	Silver	---	---	
		Cyanide	0.2	---	Uranium	varies*	varies*	
		Nitrate	100	---	Zinc(T)	---	2000	
		Nitrite	10	---				
		Phosphorus	---	0.11*				
		Sulfate	---	---				
Sulfide	---	---						

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

15a. Mainstem of Badger Creek from the source to the confluence with the Arkansas, including all tributaries and wetlands. Mainstem of Texas Creek from the forest service boundary to the confluence with the Arkansas River, including all tributaries and wetlands which are not on forest service land.

COARUA15A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

15b. Mainstem of Grape Creek, including all tributaries and wetlands, from the source to the outlet of De Weese Reservoir, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).

COARUA15B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

16a. Mainstem of Middle Tallahassee Creek, including all tributaries and wetlands, from the source to the intersection with Road 23.							
COARUA16A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

16b. Mainstem of North Tallahassee Creek, South Tallahassee Creek, Middle Tallahassee Creek, and Tallahassee Creek from their sources to a point immediately below their confluence with South Tallahassee Creek, except for the specific listing in segment 16a.							
COARUA16B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

16c. Mainstem of Tallahassee Creek from a point immediately below the confluence with South Tallahassee Creek to the confluence with the Arkansas River.							
COARUA16C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17a. Mainstem of Cottonwood Creek (Fremont County), including all tributaries and wetlands, from the source to a point immediately below the confluence with North Waugh Creek.							
COARUA17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17a. Mainstem of Cottonwood Creek (Fremont County), including all tributaries and wetlands, from the source to a point immediately below the confluence with North Waugh Creek.							
COARUA17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

17b. Mainstem of Cottonwood Creek (Fremont county), including all tributaries and wetlands, from a point immediately below the confluence with North Waugh Creek to the intersection with F6 Road.

COARUA17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

17c. Mainstem of Cottonwood Creek from F6 Road to the confluence with Currant Creek.

COARUA17C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies	varies
					Zinc	---	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

18. Mainstem of Currant Creek (Park County), including all tributaries and wetlands, from the source to the confluence with Tallahassee Creek, except for the specific listings in 17a, 17b, and 17c.							
COARUA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
19. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the source to immediately below the confluence with High Creek.							
COARUA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

20a. Mainstem of Fourmile Creek, including all tributaries and wetlands, from immediately below the confluence with High Creek to a point immediately above the confluence with Long Gulch, except for the specific listing to segment 23.

COARUA20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	0.002			

20b. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.

COARUA20B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS*
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS*	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

21a. Mainstem of Cripple Creek from the source to a point 1.5 miles upstream of the confluence with Fourmile Creek.							
COARUA21A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:	D.O. (spawning) pH *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS(sa)	TVS(ela)	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	0.002			

21b. Mainstem of Cripple Creek from a point 1.5 miles upstream to the confluence with Fourmile Creek.							
COARUA21B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:	D.O. (spawning) pH *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	---	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS(sp)	TVS(elp)	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	---			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

22a. Mainstem of Arequa Gulch from the source to the confluence with Cripple Creek.								
COARUA22A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	11000	11000	
	Recreation N		acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Cadmium	TVS	TVS	
		pH	6.0 - 9.0	---	Chromium III	TVS	TVS	
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100	
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Manganese	5903	3674	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	3500	600	

22b. Squaw Gulch from the source to the confluence with Cripple Creek.							
COARUA22B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic(T)	---	200
	Recreation N		acute	chronic	Cadmium(T)	---	50
Qualifiers:		D.O. (mg/L)	---	6.0	Chromium III(T)	---	1000
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium VI(T)	---	1000
		pH	6.5 - 9.0	---	Copper(T)	---	500
		chlorophyll a (mg/m²)	---	---	Iron	---	---
		E. Coli (per 100 mL)	---	630	Lead(T)	---	100
					Manganese	---	---
					Mercury(T)	---	10
					</		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

23. Mainstem of Wilson Creek (Teller County), including all tributaries and wetlands, from the source to the confluence with Fourmile Creek.							
COARUA23	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

24. Mainstem of East and West Beaver Creeks, including all tributaries and wetlands, from the source to the confluence with Beaver Creek; mainstem of Beaver Creek from the source to the point of diversion to Brush Hollow Reservoir.							
COARUA24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

25. Mainstem of Cottonwood Creek (Custer County) from the headwaters to 37.940597, -105.411656.

COARUA25	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

26. Mainstem of Beaver Creek from the point of diversion for Brush Hollow Reservoir to the confluence with the Arkansas River.

COARUA26	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

27. Mainstem of Eightmile Creek, including all tributaries and wetlands, from the source to the mouth of Phantom Canyon (38.495270,-105.110024).								
COARUA27	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		28. All lakes and reservoirs within the Mount Massive and Collegiate Peaks Wilderness areas.						
		COARUA28	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

28. All lakes and reservoirs within the Mount Massive and Collegiate Peaks Wilderness areas.							
COARUA28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
<div>*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div> <div>*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div> <div>*Uranium(acute) = See 32.5(3) for details.</div> <div>*Uranium(chronic) = See 32.5(3) for details.</div>		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

29. All lakes and reservoirs tributary to the Arkansas River from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 28 and 30.							
COARUA29	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
30. Turquoise Reservoir, Clear Creek Reservoir, Twin Lakes and Mt. Elbert Forebay.							
COARUA30	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS to Twin Lakes and Elbert Forebay *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM and MWAT=CLL from 1/1-3/31 Turquoise Reservoir, Twin Lakes (Upper and Lower), Mt. Elbert Forebay DM=22.4 and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CLL from 4/1-12/31		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

31. All lakes and reservoirs tributary to the Arkansas River which are on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 32 and 34-40.

COARUA31	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	Temperature °C	340	---	Arsenic
	Recreation E	acute	chronic		---	0.02	Arsenic(T)
	Water Supply	---	6.0	D.O. (mg/L)	TVS(tr)	TVS	Cadmium
Qualifiers:		---	7.0	D.O. (spawning)	5.0	---	Cadmium(T)
Other:		6.5 - 9.0	---	pH	---	TVS	Chromium III
		---	8*	chlorophyll a (ug/L)	50	---	Chromium III(T)
		---	126	E. Coli (per 100 mL)	TVS	TVS	Chromium VI
		Inorganic (mg/L)			TVS	TVS	Copper
		acute	chronic		---	WS	Iron
		TVS	TVS	Ammonia	---	1000	Iron(T)
		---	0.75	Boron	TVS	TVS	Lead
		---	250	Chloride	50	---	Lead(T)
		0.019	0.011	Chlorine	TVS	TVS/WS	Manganese
		0.005	---	Cyanide	---	0.01	Mercury(T)
		10	---	Nitrate	---	150	Molybdenum(T)
		0.05	---	Nitrite	TVS	TVS	Nickel
		---	0.025*	Phosphorus	---	100	Nickel(T)
		---	WS	Sulfate	TVS	TVS	Selenium
		---	0.002	Sulfide	TVS	TVS(tr)	Silver
					varies*	varies*	Uranium
					TVS	TVS	Zinc

32. All lakes and reservoirs tributary to the South Fork of the Arkansas from the source to the confluence with the Arkansas River.

COARUA32	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	Temperature °C	340	---	Arsenic
	Recreation E	acute	chronic		---	0.02	Arsenic(T)
	Water Supply	---	6.0	D.O. (mg/L)	TVS(tr)	TVS	Cadmium
Qualifiers:		---	7.0	D.O. (spawning)	5.0	---	Cadmium(T)
Other:		6.5 - 9.0	---	pH	---	TVS	Chromium III
		---	8*	chlorophyll a (ug/L)	50	---	Chromium III(T)
		---	126	E. Coli (per 100 mL)	TVS	TVS	Chromium VI
		Inorganic (mg/L)			TVS	TVS	Copper
		acute	chronic		---	WS	Iron
		TVS	TVS	Ammonia	---	1000	Iron(T)
		---	0.75	Boron	TVS	TVS	Lead
		---	250	Chloride	50	---	Lead(T)
		0.019	0.011	Chlorine	TVS	TVS/WS	Manganese
		0.005	---	Cyanide	---	0.01	Mercury(T)
		10	---	Nitrate	---	150	Molybdenum(T)
		0.05	---	Nitrite	TVS	TVS	Nickel
		---	0.025*	Phosphorus	---	100	Nickel(T)
		---	WS	Sulfate	TVS	TVS	Selenium
		---	0.002	Sulfide	TVS	TVS(tr)	Silver
					varies*	varies*	Uranium
					TVS	TVS	Zinc

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

33. All lakes and reservoirs tributary to the Arkansas River which are not on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 32 and 34-40.

COARUA33	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	CL, CLL		CL, CLL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH		6.5 - 9.0	Chromium III	---	TVS
		chlorophyll a (ug/L)		8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron	---	WS
		Ammonia		TVS	Iron(T)	---	1000
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Lead(T)	50	---
		Chlorine		0.019	Manganese	TVS	TVS/WS
		Cyanide		0.005	Mercury(T)	---	0.01
		Nitrate		10	Molybdenum(T)	---	150
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.025*	Nickel(T)	---	100
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

34. All lakes and reservoirs tributary to the mainstems of Texas, Badger, Hayden, Hamilton, Stout, and Big Cottonwood Creeks from their sources to their confluences with the Arkansas River. All lakes and reservoirs tributary to the mainstem of Grape Creek from the source to the outlet of DeVee Reservoir, except for the specific listing in segment 35.

COARUA34	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CL		CL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)		6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)		7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH		6.5 - 9.0	Chromium III	---	TVS
		chlorophyll a (ug/L)		8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron	---	WS
		Ammonia		TVS	Iron(T)	---	1000
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Lead(T)	50	---
		Chlorine		0.019	Manganese	TVS	TVS/WS
		Cyanide		0.005	Mercury(T)	---	0.01
		Nitrate		10	Molybdenum(T)	---	150
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.025*	Nickel(T)	---	100
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

35. DeWeese Reservoir.					
COARUA35	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium TVS(tr) TVS	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T) 5.0 ---	
Other:		pH	6.5 - 9.0 ---	Chromium III --- TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=CLL and MWAT=CLL from 1/1-3/31 DM= CLL and MWAT=21.3 from 4/1-12/31		chlorophyll a (ug/L)	--- 8*	Chromium III(T) 50 ---	
		E. Coli (per 100 mL)	--- 126	Chromium VI TVS TVS	
		Inorganic (mg/L)		Copper TVS TVS	
		acute	chronic	Iron --- WS	
		Ammonia	TVS TVS	Iron(T) --- 1000	
		Boron	--- 0.75	Lead TVS TVS	
		Chloride	--- 250	Lead(T) 50 ---	
		Chlorine	0.019 0.011	Manganese TVS TVS/WS	
		Cyanide	0.005 ---	Mercury(T) --- 0.01	
		Nitrate	10 ---	Molybdenum(T) --- 150	
		Nitrite	0.05 ---	Nickel TVS TVS	
		Phosphorus	--- 0.025*	Nickel(T) --- 100	
		Sulfate	--- WS	Selenium TVS TVS	
		Sulfide	--- 0.002	Silver TVS TVS(tr)	
				Uranium varies* varies*	
				Zinc TVS TVS	
36. All lakes and reservoirs tributary to the mainstem of Currant Creek (Park County) from the source to the confluence with Tallahassee Creek, except lakes and reservoirs tributary to Cottonwood Creek (Fremont County) from a point immediately below the confluence with North Waugh Creek to the intersection with F6 Road. All lakes and reservoirs tributary to the mainstem of Middle Tallahassee Creek from the source to the intersection with Road 23.					
COARUA36	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL CL	Arsenic 340 ---	
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium TVS(tr) TVS	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T) 5.0 ---	
Other:		pH	6.5 - 9.0 ---	Chromium III --- TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	--- 8*	Chromium III(T) 50 ---	
		E. Coli (per 100 mL)	--- 126	Chromium VI TVS TVS	
		Inorganic (mg/L)		Copper TVS TVS	
		acute	chronic	Iron --- WS	
		Ammonia	TVS TVS	Iron(T) --- 1000	
		Boron	--- 0.75	Lead TVS TVS	
		Chloride	--- 250	Lead(T) 50 ---	
		Chlorine	0.019 0.011	Manganese TVS TVS/WS	
		Cyanide	0.005 ---	Mercury(T) --- 0.01	
		Nitrate	10 ---	Molybdenum(T) --- 150	
		Nitrite	0.05 ---	Nickel TVS TVS	
		Phosphorus	--- 0.025*	Nickel(T) --- 100	
		Sulfate	--- WS	Selenium TVS TVS	
		Sulfide	--- 0.002	Silver TVS TVS(tr)	
				Uranium varies* varies*	
				Zinc TVS TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

37. All lakes and reservoirs tributary to the mainstem of Fourmile Creek from the source to the confluence with the Arkansas River. This segment includes Wrights Reservoir.						
COARUA37	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Arsenic(chronic) = hybrid					Copper	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Iron	---	WS
		acute	chronic	Iron(T)	---	1000
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Ammonia	TVS	TVS	Lead	TVS
*Classification: DUWS applies to Ott Reservoir		Boron	---	0.75	Lead(T)	50
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Chloride	---	250	Manganese	TVS
*Uranium(acute) = See 32.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---
*Uranium(chronic) = See 32.5(3) for details.		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.025*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
						TVS

38. All lakes and reservoirs tributary to the mainstem of East and West Beaver Creeks from the source to the confluence with Beaver Creek. This segment includes Skagway and Bison Reservoirs.						
COARUA38	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
*Classification: Bison Reservoir = DUWS					Copper	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)		Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.025*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

39. All lakes and reservoirs tributary to the mainstem of Eightmile Creek from the source to the mouth of Phantom Canyon (38.495270,-105.110024).							
COARUA39	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
40. Brush Hollow Reservoir.							
COARUA40	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

40. Brush Hollow Reservoir.							
COARUA40	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

41. Teller Reservoir																																																																																																																			
COARUA41	Classifications	Physical and Biological			Metals (ug/L)																																																																																																														
Designation	Agriculture	DM	MWAT	acute	chronic																																																																																																														
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Arsenic	340	---																																																																																																												
	Recreation E	acute	chronic	Arsenic(T)	---	0.02																																																																																																													
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td rowspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td rowspan="17">Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>chlorophyll a (ug/L)</td><td>---</td><td>8*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="3"></td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.025*</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS<tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr><tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr></td></tr>	Qualifiers:	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS	chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS				Copper	TVS	TVS	Inorganic (mg/L)			Iron	---	WS				Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS/WS	Chlorine	0.019	0.011	Mercury(T)	---	0.01	Cyanide	0.005	---	Molybdenum(T)	---	150	Nitrate	10	---	Nickel	TVS	TVS	Nitrite	0.05	---	Nickel(T)	---	100	Phosphorus	---	0.025*	Selenium	TVS	TVS	Sulfate	---	WS	Silver	TVS	TVS <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Sulfide	---	0.002	Uranium	varies*	varies*				Zinc	TVS
Qualifiers:	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																													
	Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS																																																																																																												
chlorophyll a (ug/L)		---	8*	Chromium III(T)	50	---																																																																																																													
E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS																																																																																																													
			Copper	TVS	TVS																																																																																																														
Inorganic (mg/L)			Iron	---	WS																																																																																																														
			Iron(T)	---	1000																																																																																																														
Ammonia		TVS	TVS	Lead	TVS	TVS																																																																																																													
Boron		---	0.75	Lead(T)	50	---																																																																																																													
Chloride		---	250	Manganese	TVS	TVS/WS																																																																																																													
Chlorine		0.019	0.011	Mercury(T)	---	0.01																																																																																																													
Cyanide		0.005	---	Molybdenum(T)	---	150																																																																																																													
Nitrate		10	---	Nickel	TVS	TVS																																																																																																													
Nitrite		0.05	---	Nickel(T)	---	100																																																																																																													
Phosphorus		---	0.025*	Selenium	TVS	TVS																																																																																																													
Sulfate		---	WS	Silver	TVS	TVS <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Sulfide	---	0.002	Uranium	varies*	varies*					Zinc	TVS	TVS																																																																																																
Sulfide		---	0.002	Uranium	varies*	varies*																																																																																																													
				Zinc	TVS	TVS																																																																																																													

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

1. All tributaries, including wetlands, to the Arkansas River within the Sangre de Cristo, Greenhorn, and Spanish Peaks Wilderness Areas.

COARMA01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

2. Mainstem of the Arkansas River from the outlet of Pueblo Reservoir to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.

COARMA02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
temperature(ac/ch) = current conditions		Inorganic (mg/L)			Iron	---	WS
Expiration Date of 7/1/2021		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

3. Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.							
COARMA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	26.3	17.1
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
4a. Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River.							
COARMA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Selenium(acute) = See selenium assessment location at 32.6(4).		Inorganic (mg/L)			Copper	TVS	TVS
*Selenium(chronic) = See selenium assessment location at 32.6(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	2376*	2110*
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

4a. Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River.							
COARMA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	2376*	2110*
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

4b. Mainstem of Rock Creek, Salt Creek and Peck Creek from their sources to the confluence with the Arkansas River.							
COARMA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

4c. Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.							
COARMA04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02	
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

4c. Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.							
COARMA04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
<div>Other:</div> <div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).</div> <div>*Uranium(acute) = See 32.5(3) for details.</div> <div>*Uranium(chronic) = See 32.5(3) for details.</div>		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

4d. All tributaries, including wetlands, to the Arkansas River and Pueblo Reservoir from the inlet to Pueblo Reservoir to the Colorado Canal headgate, except for specific listings in the Fountain Creek Subbasin and in segments 4a, 4b, 4c and 4e through 18b.

COARMA04D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic(T)	---	0.02-10 ^A
	Water Supply		acute	chronic	Beryllium(T)	---	100
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium(T)	5.0	10
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	---	100
		Inorganic (mg/L)			Copper(T)	---	200
			acute	chronic	Iron	---	WS
		Ammonia	---	---	Lead(T)	50	100
		Boron	---	0.75	Manganese	---	WS
		Chloride	---	250	Mercury(T)	---	---
		Chlorine	---	---	Molybdenum(T)	---	150
		Cyanide	0.2	---	Nickel(T)	---	100
		Nitrate	10	---	Selenium(T)	---	20
		Nitrite	10	---	Silver	---	---
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc(T)	---	2000
		Sulfide	---	---			

4e. Golf Course Wash

COARMA04E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	---	10
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI(T)	---	100
			acute	chronic	Copper(T)	---	200
		Ammonia	TVS	TVS	Iron	---	---
		Boron	---	0.75	Lead(T)	---	100
		Chloride	---	---	Manganese	---	---
		Chlorine	---	---	Mercury(T)	---	---
		Cyanide	0.2	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel(T)	---	200
		Nitrite	10	---	Selenium	TVS	TVS
		Phosphorus	---	0.17	Silver	---	---
		Sulfate	---	---	Uranium	varies*	varies*
		Sulfide	---	---	Zinc(T)	---	2000

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

4f. Mainstem of Black Squirrel Creek, including all tributaries and wetlands, from just below Highway 94 to Squirrel Creek Road.							
COARMA04F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	100
	Recreation P	acute	chronic		Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	---	10
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150*	Chromium VI(T)	---	100
		E. Coli (per 100 mL)	---	205	Copper(T)	---	200
		Inorganic (mg/L)			Iron	---	---
		acute	chronic		Lead(T)	---	100
		Ammonia	---	---	Manganese(T)	---	200
		Boron	---	0.75	Mercury(T)	---	---
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel(T)	---	200
		Cyanide	0.2	---	Selenium(T)	---	20
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17*	Zinc(T)	---	2000
		Sulfate	---	---			
		Sulfide	---	---			
4g. Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.							
COARMA04G	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic(T)	---	100
	Recreation E	acute	chronic		Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	---	10
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150*	Chromium VI(T)	---	100
		E. Coli (per 100 mL)	---	126	Copper(T)	---	200
		Inorganic (mg/L)			Iron	---	---
		acute	chronic		Lead(T)	---	100
		Ammonia	---	---	Manganese(T)	---	200
		Boron	---	0.75	Mercury(T)	---	---
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel(T)	---	200
		Cyanide	0.2	---	Selenium	389*	369*
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17*	Zinc(T)	---	2000
		Sulfate	---	---			
		Sulfide	---	---			

4g. Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.							
COARMA04G	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT			
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic(T)	---	100
	Recreation E		acute	chronic	Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	---	10
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150*	Chromium VI(T)	---	100
		E. Coli (per 100 mL)	---	126	Copper(T)	---	200
		Inorganic (mg/L)			Iron	---	---
			acute	chronic	Lead(T)	---	100
		Ammonia	---	---	Manganese(T)	---	200
		Boron	---	0.75	Mercury(T)	---	---
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel(T)	---	200
		Cyanide	0.2	---	Selenium	389*	369*
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17*	Zinc(T)	---	2000
		Sulfate	---	---			
		Sulfide	---	---			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

5a. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary.							
COARMA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill.							
COARMA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill.								
COARMA05B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
UP	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
				Inorganic (mg/L)	Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

6a. Mainstem of the Saint Charles River from a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill to a point immediately upstream of the confluence with Edson Arroyo.

COARMA06A Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	Arsenic	340
	Recreation E			Arsenic(T)	0.02-10 ^A
	Water Supply			Cadmium	TVS
Qualifiers:		D.O. (mg/L)	5.0	Cadmium(T)	5.0
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	Chromium III	TVS
		chlorophyll a (mg/m ²)	150*	Chromium III(T)	50
		E. Coli (per 100 mL)	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
				Iron	WS
				Iron(T)	1000
				Lead	TVS
				Lead(T)	50
				Manganese	TVS
				Mercury(T)	0.01
				Molybdenum(T)	150
				Nickel	TVS
				Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	varies*
				Zinc	TVS

6b. Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.

COARMA06B Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 2	Temperature °C	varies*	Arsenic	340
	Recreation E			Arsenic(T)	0.02-10 ^A
	Water Supply			Cadmium	TVS
Qualifiers:		D.O. (mg/L)	5.0	Cadmium(T)	5.0
Other: *Selenium(acute) = See selenium assessment location at 32.6(4). *Selenium(chronic) = See selenium assessment location at 32.6(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=32.6 and MWAT=WS-II from 3/1-11/30 DM=WS-II and MWAT=WS-II from 12/1-2/29		pH	6.5 - 9.0	Chromium III	TVS
		chlorophyll a (mg/m ²)	---	Chromium III(T)	50
		E. Coli (per 100 mL)	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
				Iron	WS
				Iron(T)	1000
				Lead	TVS
				Lead(T)	50
				Manganese	TVS
				Mercury(T)	0.01
				Molybdenum(T)	150
				Nickel	TVS
				Nickel(T)	100
				Selenium	173*
				Silver	TVS
				Uranium	varies*
				Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

7a. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary, except for specific listings in segment 1.
Mainstem of Graneros Creek, from the source to the San Isabel National Forest boundary, except for specific listings in segment 1. All tributaries to Muddy Creek, including wetlands, from the source to the San Isabel National Forest boundary.

COARMA07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

7b. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.

COARMA07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

8. Deleted.						
COARMA08	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			
9. Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.						
COARMA09	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
UP	Agriculture					
	Aq Life Warm 2	Temperature °C	WS-II	Arsenic	340	---
	Recreation E			Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m ²)	---	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
Temporary Modification(s):				Copper	TVS	TVS
Arsenic(chronic) = hybrid				Iron	---	WS
Expiration Date of 12/31/2021		Ammonia	TVS	Iron(T)	---	1000
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4).		Boron	---	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		Chloride	---	Lead(T)	50	---
*Uranium(acute) = See 32.5(3) for details.		Chlorine	0.019	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 32.5(3) for details.		Cyanide	0.005	Mercury(T)	---	0.01
		Nitrate	10	Molybdenum(T)	---	150
		Nitrite	0.5	Nickel	TVS	TVS
		Phosphorus	---	Nickel(T)	---	100
		Sulfate	---	Selenium	TVS	TVS
		Sulfide	---	Silver	TVS	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

10. Mainstem of Sixmile Creek from the source to the confluence with the Arkansas River.							
COARMA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

11a. Mainstem of the Huerfano River including all tributaries and wetlands, from the source to 570 Road near Malachite, except for the specific listings in segment 1. Pass Creek, including all tributaries and wetlands, from the source to 565 Road. Muddy Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Bruff Creek, except for the specific listings in segment 1. Mainstem of Turkey Creek (in Huerfano County) from the source to 620 Road, except for the specific listings in segment 1.							
COARMA11A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

11b. Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.

COARMA11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

12. Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.

COARMA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

13a. All tributaries, including wetlands, to the Cucharas River within the San Isabel National Forest boundaries, except for the specific listings in segment 1. Mainstem of the Cucharas River, from the source to a point immediately above the confluence with Middle Creek, except for the specific listings in segment 1. Wahatoya Creek, including all tributaries and wetlands, from the source to the confluence with the Cucharas River, except for the specific listings in segment 1. All tributaries to Middle Creek, including wetlands, from the source to a point immediately below the confluence of North and South Middle Creeks.

COARMA13A	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																																																
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																																																														
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---																																																																																																																																														
	Recreation E		acute	chronic	Arsenic(T)	---	0.02																																																																																																																																														
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2">Other:</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td colspan="2">Temporary Modification(s):</td><td>chlorophyll a (mg/m²)</td><td>---</td><td>150</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2">Arsenic(chronic) = hybrid</td><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Expiration Date of 12/31/2021</td><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">*Uranium(acute) = See 32.5(3) for details.</td><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="2">*Uranium(chronic) = See 32.5(3) for details.</td><td></td><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td colspan="2"></td><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2"></td><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td colspan="2"></td><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td colspan="2"></td><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td colspan="2"></td><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td colspan="2"></td><td>Phosphorus</td><td>---</td><td>0.11</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td colspan="2"></td><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	Expiration Date of 12/31/2021					Copper	TVS	TVS	*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS	*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000			Ammonia	TVS	TVS	Lead	TVS	TVS			Boron	---	0.75	Lead(T)	50	---			Chloride	---	250	Manganese	TVS	TVS/WS			Chlorine	0.019	0.011	Mercury(T)	---	0.01			Cyanide	0.005	---	Molybdenum(T)	---	150			Nitrate	10	---	Nickel	TVS	TVS			Nitrite	0.05	---	Nickel(T)	---	100			Phosphorus	---	0.11	Selenium	TVS	TVS			Sulfate	---	WS	Silver	TVS	TVS(tr)			Sulfide	---	0.002	Uranium	varies*	varies*						Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																																																														
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		Chlorine	0.019	0.011	Mercury(T)	---	0.01																																																																																																																																														
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		Sulfide	---	0.002	Uranium	varies*	varies*																																																																																																																																														
					Zinc	TVS	TVS																																																																																																																																														

13b. Mainstem of the Cucharas River from a point immediately above the confluence with Middle Creek to the confluence with North Abeyta Creek (37.567852, -104.907046). All tributaries, including wetlands, to the Cucharas River from the San Isabel National Forest boundary to a point immediately below North Abeyta Creek (37.567852, -104.907046), except for specific listings in Segment 13a. Mainstem of Middle Creek, including all tributaries and wetlands, from a point immediately below the confluence of North and South Middle Creeks to the confluence with the Cucharas River, except for specific listings in 13a.

COARMA13B	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																														
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---																																																																																																														
	Recreation E		acute	chronic	Arsenic(T)	---	0.02																																																																																																														
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2" rowspan="17">Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>chlorophyll a (mg/m²)</td><td>---</td><td>150*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td></td><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11*</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS				Copper	TVS	TVS	Inorganic (mg/L)			Iron	---	WS		acute	chronic	Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS/WS	Chlorine	0.019	0.011	Mercury(T)	---	0.01	Cyanide	0.005	---	Molybdenum(T)	---	150	Nitrate	10	---	Nickel	TVS	TVS	Nitrite	0.05	---	Nickel(T)	---	100	Phosphorus	---	0.11*	Selenium	TVS	TVS	Sulfate	---	WS	Silver	TVS	TVS(tr)	Sulfide	---	0.002	Uranium	varies*	varies*				Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																														
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		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS																																																																																																														
					Copper	TVS	TVS																																																																																																														
		Inorganic (mg/L)			Iron	---	WS																																																																																																														
			acute	chronic	Iron(T)	---	1000																																																																																																														
		Ammonia	TVS	TVS	Lead	TVS	TVS																																																																																																														
		Boron	---	0.75	Lead(T)	50	---																																																																																																														
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		Nitrite	0.05	---	Nickel(T)	---	100																																																																																																														
		Phosphorus	---	0.11*	Selenium	TVS	TVS																																																																																																														
		Sulfate	---	WS	Silver	TVS	TVS(tr)																																																																																																														
		Sulfide	---	0.002	Uranium	varies*	varies*																																																																																																														
					Zinc	TVS	TVS																																																																																																														

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

13c. All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.									
COARMA13C		Classifications		Physical and Biological		Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic		
	UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	0.02-10 ^A	
	Recreation N		acute	chronic	Beryllium(T)	---	4.0		
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium(T)	5.0	---		
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS		
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---		
		E. Coli (per 100 mL)	---	630	Chromium VI(T)	50	100		
		Inorganic (mg/L)			Copper(T)	---	200		
			acute	chronic	Iron	---	WS		
		Ammonia	---	---	Lead(T)	50	100		
		Boron	---	0.75	Manganese	---	WS		
		Chloride	---	250	Mercury(T)	2.0	---		
		Chlorine	---	---	Molybdenum(T)	---	150		
		Cyanide	0.2	---	Nickel(T)	---	100		
		Nitrate	10	---	Nickel(T)	---	100		
		Nitrite	1.0	---	Selenium(T)	---	20		
		Phosphorus	---	0.17*	Silver(T)	---	100		
		Sulfate	---	WS	Uranium	varies*	varies*		
		Sulfide	---	0.05	Zinc(T)	---	2000		
		14. Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.							
		COARMA14		Classifications		Physical and Biological		Metals (ug/L)	
		Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1		Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Water Supply		acute	chronic	Arsenic(T)	---	0.02		
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS		
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---		
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS		
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---		
		Inorganic (mg/L)			Chromium VI	TVS	TVS		
			acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS		
		Boron	---	0.75	Iron(T)	---	1000		
		Chloride	---	250	Lead	TVS	TVS		
		Chlorine	0.019	0.011	Lead(T)	50	---		
		Cyanide	0.005	---	Manganese	TVS	TVS/WS		
		Nitrate	10	---	Mercury(T)	---	0.01		
		Nitrite	0.5	---	Molybdenum(T)	---	150		
		Phosphorus	---	0.17*	Nickel	TVS	TVS		
		Sulfate	---	WS	Nickel(T)	---	100		
		Sulfide	---	0.002	Selenium	TVS	TVS		
					Silver	TVS	TVS		
					Uranium	varies*	varies*		
					Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

15. Mainstem of Cucharas River from the outlet of Cucharas Reservoir to the confluence with the Huerfano River.						
COARMA15	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic(T)	--- 100
	Recreation E	acute	chronic		Beryllium(T)	--- 100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	--- 10
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	--- 100
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	--- 100
		Inorganic (mg/L)			Copper(T)	--- 200
		acute	chronic		Iron	--- ---
		Ammonia	---	---	Lead(T)	--- 100
		Boron	---	0.75	Manganese	--- ---
		Chloride	---	---	Mercury(T)	--- ---
		Chlorine	---	---	Molybdenum(T)	--- 150
		Cyanide	0.2	---	Nickel(T)	--- 200
		Nitrate	100	---	Selenium(T)	--- 20
		Nitrite	10	---	Silver	--- ---
		Phosphorus	---	---	Uranium	varies* varies*
		Sulfate	---	---	Zinc(T)	--- 2000
		Sulfide	---	---		
16. Deleted.						
COARMA16	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT	acute chronic		
		acute	chronic			
Qualifiers:						
Other:		Inorganic (mg/L)				
		acute	chronic			

16. Deleted.						
COARMA16	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
		acute	chronic			
Qualifiers:		Inorganic (mg/L)				
Other:		acute	chronic			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

17. All tributaries to Apache Creek, including wetlands, from the source to a point immediately below the confluence of North and South Apache Creeks, except for the specific listings in segment 1. All tributaries, including wetlands, to the Huerfano River above the confluence with the Cucharas River that are within the San Isabel National Forest boundaries, except for the specific listings in segment 1 and 11a.

COARMA17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

18a. Mainstem of Boggs Creek from the source to Pueblo Reservoir.

COARMA18A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute		chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

18b. Turkey Creek (Pueblo County) from U.S. Highway 50 to Pueblo Reservoir. Unnamed tributary to Arkansas River, that flows from the south and whose confluence with the Arkansas River is located at 38.267623, -104.668298. Mainstem of Rush Creek (Pueblo County) from the source to the confluence with the Arkansas River.

COARMA18B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute		chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

19. All lakes and reservoirs tributary to the Arkansas River within the Sangre de Cristo, Greenhorn, and Spanish Peaks Wilderness areas.

COARMA19	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																																
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																																														
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---																																																																																																																														
	Recreation E	acute		chronic	Arsenic(T)	---	0.02																																																																																																																														
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td rowspan="2">Qualifiers:</td><td></td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td></td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td rowspan="20">Other:</td><td></td><td>chlorophyll a (ug/L)</td><td>---</td><td>8*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td></td><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td></td><td colspan="3">Inorganic (mg/L)</td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td></td><td></td><td>acute</td><td>chronic</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td></td><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td></td><td>Boron</td><td>---</td><td>0.75</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td></td><td>Chloride</td><td>---</td><td>250</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td></td><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td></td><td>Cyanide</td><td>0.005</td><td>---</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td></td><td>Nitrate</td><td>10</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td></td><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td></td><td>Phosphorus</td><td>---</td><td>0.025*</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td></td><td>Sulfate</td><td>---</td><td>WS</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td></td><td>Sulfide</td><td>---</td><td>0.002</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td></td><td></td><td></td><td></td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		pH	6.5 - 9.0	---	Chromium III	---	TVS	Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		Inorganic (mg/L)			Copper	TVS	TVS			acute	chronic	Iron	---	WS		Ammonia	TVS	TVS	Iron(T)	---	1000		Boron	---	0.75	Lead	TVS	TVS		Chloride	---	250	Lead(T)	50	---		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS		Cyanide	0.005	---	Mercury(T)	---	0.01		Nitrate	10	---	Molybdenum(T)	---	150		Nitrite	0.05	---	Nickel	TVS	TVS		Phosphorus	---	0.025*	Nickel(T)	---	100		Sulfate	---	WS	Selenium	TVS	TVS		Sulfide	---	0.002	Silver	TVS	TVS(tr)					Uranium	varies*	varies*					Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0		---																																																																																																																													
		pH	6.5 - 9.0	---	Chromium III	---	TVS																																																																																																																														
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---																																																																																																																														
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS																																																																																																																														
		Inorganic (mg/L)			Copper	TVS	TVS																																																																																																																														
			acute	chronic	Iron	---	WS																																																																																																																														
		Ammonia	TVS	TVS	Iron(T)	---	1000																																																																																																																														
		Boron	---	0.75	Lead	TVS	TVS																																																																																																																														
		Chloride	---	250	Lead(T)	50	---																																																																																																																														
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS																																																																																																																														
		Cyanide	0.005	---	Mercury(T)	---	0.01																																																																																																																														
		Nitrate	10	---	Molybdenum(T)	---	150																																																																																																																														
		Nitrite	0.05	---	Nickel	TVS	TVS																																																																																																																														
		Phosphorus	---	0.025*	Nickel(T)	---	100																																																																																																																														
		Sulfate	---	WS	Selenium	TVS	TVS																																																																																																																														
		Sulfide	---	0.002	Silver	TVS	TVS(tr)																																																																																																																														
					Uranium	varies*	varies*																																																																																																																														
					Zinc	TVS	TVS																																																																																																																														

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

20. Pueblo Reservoir.					
COARMA20	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
	DUWS	D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III --- TVS
Other:		chlorophyll a (ug/L)	---	5*	Chromium III(T) 50 ---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Copper	TVS TVS
Expiration Date of 12/31/2021		acute		Iron	--- WS
*chlorophyll a (ug/L)(chronic) = See assessment location at 32.6(4).		chronic		Iron(T)	--- 1000
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead TVS TVS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead(T) 50 ---
*Temperature =		Chloride	---	250	Manganese TVS TVS/WS
DM=CLL and MWAT=CLL from 1/1-3/31		Chlorine	0.019	0.011	Mercury(T) --- 0.01
DM= CLL and MWAT=23.6 from 4/1-12/31		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	0.05	---	Nickel(T) --- 100
		Phosphorus	---	---	Selenium TVS TVS
		Sulfate	---	WS	Silver TVS TVS(tr)
		Sulfide	---	0.002	Uranium varies* varies*
					Zinc TVS TVS
21. All lakes and reservoirs tributary to Chico Creek from the source to the confluence with the Arkansas River.					
COARMA21	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium TVS(tr) TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T) 5.0 ---
Other:		chlorophyll a (ug/L)	---	20*	Chromium III --- TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium III(T) 50 ---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)		Chromium VI	TVS TVS
*Uranium(acute) = See 32.5(3) for details.		acute		Copper	TVS TVS
*Uranium(chronic) = See 32.5(3) for details.		chronic		Iron	--- WS
		Ammonia	TVS	TVS	Iron(T) --- 1000
		Boron	---	0.75	Lead TVS TVS
		Chloride	---	250	Lead(T) 50 ---
		Chlorine	0.019	0.011	Manganese TVS TVS/WS
		Cyanide	0.005	---	Mercury(T) --- 0.01
		Nitrate	10	---	Molybdenum(T) --- 150
		Nitrite	0.5	---	Nickel TVS TVS
		Phosphorus	---	0.083*	Nickel(T) --- 100
		Sulfate	---	WS	Selenium TVS TVS
		Sulfide	---	0.002	Silver TVS TVS
					Uranium varies* varies*
					Zinc TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

22. All lakes and reservoirs tributary to the Saint Charles River from the source to a point immediately above the CF&I diversion canal near Burnt Mill.							
COARMA22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
		23. All lakes and reservoirs tributary to Greenhorn Creek from the source to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, except for specific listings in segment 19. All lakes and reservoirs tributary to Graneros Creek from the source to the San Isabel National Forest boundary, except for specific listings in segment 19. All lakes and reservoirs tributary to Muddy Creek from the source to 232/Bondurant Road. Beckwith Reservoir.					
COARMA23	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Beckwith Reservoir *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

24. All lakes and reservoirs tributary to the Huerfano River from the source to Highway 69 at Badito, except for the specific listings in segment 19. All lakes and reservoirs tributary to the Huerfano River above the confluence with the Cucharas River that are within the San Isabel National Forest boundaries, except for the specific listings in segment 19.

COARMA24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

25. All lakes and reservoirs tributary to the Cucharas River from the source to the point of diversion for the Walsenburg public water supply, except for the specific listings in segment 19. Huajatolla Reservoirs and Diagre Reservoir

COARMA25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

26. Horseshoe Lake, Martin Lake (Ohem Lake) and Walsenburg Lower Town Lake.						
COARMA26	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	6.0	Cadmium	TVS(tr)	TVS
	DUWS	D.O. (spawning)	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	Iron(T)	---	1000
		Boron	0.75	Lead	TVS	TVS
		Chloride	250	Lead(T)	50	---
		Chlorine	0.019	Manganese	TVS	TVS/WS
		Cyanide	0.005	Mercury(T)	---	0.01
		Nitrate	10	Molybdenum(T)	---	150
		Nitrite	0.05	Nickel	TVS	TVS
		Phosphorus	0.025*	Nickel(T)	---	100
		Sulfate	WS	Selenium	TVS	TVS
		Sulfide	0.002	Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Uranium(acute) = See 32.5(3) for details.
 *Uranium(chronic) = See 32.5(3) for details.
 *Temperature = Horseshoe DM=CLL and MWAT=CLL from 1/1-3/31, DM= CLL and MWAT=18.8 from 4/1-12/31.
 Martin DM=CLL and MWAT=CLL from 1/1-3/31, DM= CLL and MWAT=21.7 from 4/1-12/31.
 Walsenburg DM=CL and MWAT=CL

27. Deleted.						
COARMA27	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
		acute	chronic			
Qualifiers:		Inorganic (mg/L)				
Other:		acute	chronic			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

28. Valco Ponds and Runyon/Fountain Lake.							
COARMA28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS(†)	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

1a. Mainstem of Fountain Creek, including all tributaries and wetlands, from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 1b.

COARFO01A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

1b. Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.

COARFO01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

2a. Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.							
COARFO02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
2b. Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.							
COARFO02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	3300
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	485	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	28.1
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

3a. All tributaries to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for the mainstem of Monument Creek in the Air Force Academy lands and specific listings in segment 3b. Cheyenne Creek, including tributaries and wetlands from the source to the confluence with Fountain Creek. Bear Creek below Gold Camp Road to the confluence with Fountain Creek. Little Fountain Creek from the source to Highway 115. Rock Creek from the source to Highway 115. North Monument Creek from the source to the confluence with Monument Creek. Beaver Creek from the source to the confluence with Monument Creek.

COARF003A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		acute		chronic	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3b. Bear Creek, and all tributaries, from the source to a point immediately upstream of Gold Camp Road.

COARF003B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.					Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.					Lead	TVS	TVS
		Ammonia	TVS	TVS	Lead(T)	50	---
		Boron	---	0.75	Manganese	TVS	TVS/WS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	10	---	Nickel(T)	---	100
		Nitrite	0.05	---	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

4a. Mainstems of Jackson Creek, Monument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek and South Douglas Creek, from the sources to confluences with Monument Creek, including all tributaries and wetlands, which are not within the boundaries of the National Forest or Air Force Academy lands.

COARF004A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

4b. All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek and an unnamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).

COARF004B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

4c. Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including tributaries and wetlands, from the sources to confluences with Monument Creek.								
COARF004C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10	A	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	0.5	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.17*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		4d. All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) to and including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524), to the confluence with the Arkansas River.						
		COARF004D	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	100		
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	---	100	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	250	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.5	---	Silver	TVS	TVS	
		Phosphorus	---	0.17*	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				

4d. All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) to and including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524), to the confluence with the Arkansas River.

COARF004D	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E	acute	chronic		Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
<div>Other:</div> <div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).</div> <div>*Uranium(acute) = See 32.5(3) for details.</div> <div>*Uranium(chronic) = See 32.5(3) for details.</div>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	---	100	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	250	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.5	---	Silver	TVS	TVS	
		Phosphorus	---	0.17*	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

4e. All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) near Pueblo except for specific listings in 3a, 4d, 5a and 5b.

COARF004E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

5a. Jimmy Camp Creek, including all tributaries and wetlands from the source to Old Pueblo Road (38.673200, -104.696739). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek.

COARF005A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

5b. Jimmy Camp Creek from Old Pueblo Road (38.673200, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735) to the confluence with Fountain Creek.						
COARFO05B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation N	acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.5	---	Silver	TVS
		Phosphorus	---	0.17	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		
6. Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Fountain Creek.						
COARFO06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m ²)	---	150*	Chromium III	---
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	---	TVS*
		Ammonia	TVS	TVS	Copper	TVS*
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.5	---	Mercury(T)	---
		Phosphorus	---	0.17*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

7a. Pikeview Reservoir, Willow Springs Pond #1, and Willow Springs Pond #2.							
COARFO07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
			Zinc	TVS	TVS		

7b. Prospect Lake, Quail Lake, and Monument Lake.							
COARFO07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Fish Ingestion Standards Apply		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

8. All lakes and reservoirs tributary to the mainstem of Fountain Creek from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 9.

COARF008	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	Arsenic	340
	Recreation E			Arsenic(T)	---
	Water Supply			Arsenic(T)	0.02
	DUWS*			Cadmium	TVS(tr)
				Cadmium(T)	TVS
				Cadmium(T)	5.0
				Chromium III	---
				Chromium III(T)	TVS
				Chromium VI	TVS
				Copper	TVS
				Iron	---
				Iron(T)	WS
				Iron(T)	1000
				Lead	TVS
				Lead(T)	TVS
				Lead(T)	50
				Manganese	---
				Manganese	TVS
				Manganese	TVS/WS
				Mercury(T)	---
				Mercury(T)	0.01
				Molybdenum(T)	---
				Molybdenum(T)	150
				Nickel	TVS
				Nickel	TVS
				Nickel(T)	---
				Nickel(T)	100
				Selenium	TVS
				Selenium	TVS
				Silver	TVS
				Silver	TVS(tr)
				Uranium	varies*
				Uranium	varies*
				Zinc	TVS
				Zinc	TVS

9. North Catamount Reservoir, South Catamount Reservoir, and Crystal Creek Reservoir.

COARF009	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	Arsenic	340
	Recreation E			Arsenic(T)	---
	Water Supply			Arsenic(T)	0.02
	DUWS*			Cadmium	TVS(tr)
				Cadmium	TVS
				Cadmium(T)	5.0
				Cadmium(T)	---
				Chromium III	---
				Chromium III	TVS
				Chromium III(T)	50
				Chromium III(T)	---
				Chromium VI	TVS
				Chromium VI	TVS
				Copper	TVS
				Copper	TVS
				Iron	---
				Iron	WS
				Iron(T)	---
				Iron(T)	1000
				Lead	TVS
				Lead	TVS
				Lead(T)	50
				Lead(T)	---
				Manganese	---
				Manganese	TVS
				Manganese	TVS/WS
				Mercury(T)	---
				Mercury(T)	0.01
				Molybdenum(T)	---
				Molybdenum(T)	150
				Nickel	TVS
				Nickel	TVS
				Nickel(T)	---
				Nickel(T)	100
				Selenium	TVS
				Selenium	TVS
				Silver	TVS
				Silver	TVS(tr)
				Uranium	varies*
				Uranium	varies*
				Zinc	TVS
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

10. All lakes and reservoirs tributary to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for specific listings in Segment 11. This segment includes Rampart Reservoir.

COARFO10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: Rampart Reservoir = DUWS *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

11. AFA Non Potable Reservoir #1 (38.70939, -104.82928) and all lakes and reservoirs tributary to Fountain Creek from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, excluding lakes and reservoirs within the boundaries of the National Forest and other lakes on Air Force Academy lands and the specific listings in segments 7a and 7b.

COARFO11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
	DUWS*	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
Qualifiers:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Lower Reservoir, Keeton Reservoir, Unknown Reservoir at 38.70939, -104.82928, Gold Camp Reservoir, South Suburban Reservoir *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	---	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

1a. Mainstem of the Arkansas River from a point immediately above the confluence with Fountain Creek to immediately above the Colorado Canal headgate near Avondale.							
COARLA01A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Discharger Specific Variance(s): Selenium(acute) = 19.1 µg/L: narrative Selenium(chronic) = 14.1 µg/L: narrative Sulfate(chronic) = 329 mg/L: narrative Expiration Date of 12/31/2028 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = DM=WS-II and MWAT=WS-II from 1/1-11/30 DM= 21.5 and MWAT=20.7 from 12/1-12/31 *Variance: Selenium = see 32.6(6)(c) for details on variance for City of Pueblo. *Variance: Sulfate = see 32.6(6)(c) for details on variance for City of Pueblo.		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	2800
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	329	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	19.1	14.1
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

1b. Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.							
COARLA01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 Discharger Specific Variance(s): Selenium(chronic) = See Section 32.6(6)(d)(ii) for details on variance for the City of Las Animas. Expiration Date of 12/31/2025 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1950
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	902	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

1c. Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.							
COARLA01C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic		Copper	TVS	TVS
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/190
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	1900	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
2a. All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 2d, 3a, through 9b, and Middle Arkansas Basin listings.							
COARLA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Beryllium(T)	---	4.0
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		E. Coli (per 100 mL)	---	630	Chromium III	---	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Chromium III(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.5	---	Mercury(T)	---	0.01
		Phosphorus	---	0.17*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

2a. All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 2d, 3a, through 9b, and Middle Arkansas Basin listings.							
COARLA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	0.02-10	A
	Water Supply	D.O. (mg/L)	---	5.0	Beryllium(T)	---	4.0
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
Other: *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	630	Chromium III	---	TVS
		Inorganic (mg/L)		Chromium III(T)	50	---	
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.5	---	Mercury(T)	---	0.01
		Phosphorus	---	0.17*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
		Selenium	TVS	TVS			
		Silver	TVS	TVS			
		Uranium	varies*	varies*			
Zinc	TVS	TVS					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

2b. King Arroyo.

COARLA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	200
	Recreation E	acute	chronic		Cadmium(T)	---	50
Qualifiers:		D.O. (mg/L)	---	5.0	Chromium III	TVS	TVS
Livestock Watering Only		pH	6.5 - 9.0	---	Chromium III(T)	---	1000
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150*	Chromium VI(T)	---	1000
		E. Coli (per 100 mL)	---	126	Copper(T)	---	500
		Inorganic (mg/L)			Iron	---	---
		acute		chronic	Lead(T)	---	100
		Ammonia	---	---	Manganese	---	---
		Boron	---	5.0	Mercury(T)	---	10
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel	---	---
		Cyanide	0.2	---	Selenium(T)	---	50
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17*	Zinc(T)	---	25000
		Sulfate	---	---			
		Sulfide	---	---			

2c. Mainstem of Wildhorse Creek, including all tributaries, from a point immediately below US Highway 287 in Kit Carson to the confluence with Big Sandy Creek.

COARLA02C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	Arsenic(T)	100	
	Recreation N	acute	chronic	Beryllium(T)	100	
Qualifiers:		D.O. (mg/L)	5.0	Cadmium(T)	50	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	Chromium III	TVS	
		chlorophyll a (mg/m²)	---	Chromium III(T)	100	
		E. Coli (per 100 mL)	630	Chromium VI(T)	100	
		Inorganic (mg/L)		Copper(T)	200	
			acute	chronic	Iron	---
		Ammonia	---	Lead(T)	100	
		Boron	0.75	Manganese	---	
		Chloride	---	Mercury(T)	---	
		Chlorine	---	Molybdenum(T)	150	
		Cyanide	0.2	Nickel(T)	200	
		Nitrate	100	Selenium(T)	50	
		Nitrite	10	Silver	---	
		Phosphorus	0.17	Uranium	varies*	varies*
		Sulfate	---	Zinc(T)	2000	
		Sulfide	---			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

2d. Unnamed tributary from the source north of county road 350 (37.304487, -104.29068) to the confluence with the Purgatoire.							
COARLA02D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
3a. Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.							
COARLA03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS		

3a. Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.							
COARLA03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

3b. Mainstem of West Torino Canyon Creek, North Fork, Middle Fork and mainstem of Trujillo Creek, Mitotes Canyon Creek, Luis Canyon Creek, Wheeler Canyon Creek, Mauricio Canyon Creek, Daisy Canyon Creek, Adobe Canyon Creek, Gonzales Canyon Creek, Frio Canyon Creek, Borrego Canyon Creek, Munoz Canyon Creek, William Canyon Creek and Castro Canyon Creek, including all tributaries, from their sources to their confluences with the Apishapa River, except for the specific listings in Middle Arkansas segment 1.

COARLA03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation N	acute		chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI(T)	50	---
		Inorganic (mg/L)			Copper(T)	200	---
		acute		chronic	Iron	---	WS
		Ammonia	---	0.5	Lead(T)	50	---
		Boron	---	0.75	Manganese	---	WS
		Chloride	---	250	Mercury(T)	2.0	---
		Chlorine	---	---	Molybdenum(T)	---	150
		Cyanide	0.2	---	Nickel(T)	---	100
		Nitrate	10	---	Selenium(T)	---	20
		Nitrite	1.0	---	Silver(T)	100	---
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc(T)	---	2000
		Sulfide	---	0.05			

3c. The mainstem of Jarosa Canyon Creek including all tributaries from the source to the confluence with the Apishapa River.

COARLA03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

4a. Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River. Mainstem of Timpas Creek from the source to the Arkansas River.							
COARLA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1805
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
4b. Mainstem of Lorencito Canyon, from the source to the confluence with the Purgatoire River.							
COARLA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

4b. Mainstem of Lorencito Canyon, from the source to the confluence with the Purgatoire River.							
COARLA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

5a. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Guajatoyah Creek; mainstem of the Middle Fork of the Purgatoire River, including all tributaries and wetlands, from the source to the Bar Ni Ranch Road at Stonewall Gap; Mainstem of the South Fork of the Purgatoire River, including all tributaries and wetlands, from the source to Tercio.

COARLA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from a point immediately below the confluence with Guajatoyah Creek to the confluence with the Purgatoire River. Mainstem of the Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to the confluence with the North Fork of the Purgatoire River. Mainstem of the South Fork of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.

COARLA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS (tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

5c. Purgatoire mainstem from Trinidad Lake outlet works to I-25. Mainstem of Raton Creek from the source to the confluence of Purgatoire River.								
COARLA05C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
Expiration Date of 12/31/2021					Copper	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	2.0	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		6a.All tributaries to the Purgatoire River, including all wetlands, from the source to Interstate 25, except for specific listings in segments 4b, 5a, 5b, 5c and 6b.						
		COARLA06A	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
		UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340
Recreation E	acute		chronic	Arsenic(T)	---	100		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m²)	---	150*	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
		acute	chronic	Manganese	TVS	TVS		
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	4.0	Molybdenum(T)	---	150	
		Chloride	---	---	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	0.005	---	Silver	TVS	TVS	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.5	---	Zinc	TVS	TVS	
		Phosphorus	---	0.11*				
		Sulfate	---	---				
		Sulfide	---	0.002				

6a.All tributaries to the Purgatoire River, including all wetlands, from the source to Interstate 25, except for specific listings in segments 4b, 5a, 5b, 5c and 6b.							
COARLA06A		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	4.0	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.5	---	Zinc	TVS	TVS
		Phosphorus	---	0.11*			
		Sulfate	---	---			
Sulfide	---	0.002					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

6b. Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.					
COARLA06B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic(T) --- 0.02-10 ^A
	Recreation E	acute	chronic	Beryllium(T) --- 4.0	
	Water Supply	D.O. (mg/L) --- 6.0		Cadmium TVS TVS	
Qualifiers:		D.O. (spawning) --- 7.0		Cadmium(T) 5.0 ---	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH 6.5 - 9.0 ---		Chromium III --- TVS	
		chlorophyll a (mg/m ²) --- ---		Chromium III(T) 50 ---	
		E. Coli (per 100 mL) --- 126		Chromium VI TVS TVS	
		Inorganic (mg/L)		Copper TVS TVS	
		acute	chronic	Iron --- WS	
		Ammonia TVS TVS		Iron(T) --- 1000	
		Boron --- 2.0		Lead TVS TVS	
		Chloride --- 250		Lead(T) 50 ---	
		Chlorine 0.019 0.011		Manganese TVS TVS/WS	
		Cyanide 0.005 ---		Mercury(T) --- 0.01	
		Nitrate 10 ---		Molybdenum(T) --- 150	
		Nitrite 0.5 ---		Nickel TVS TVS	
		Phosphorus --- ---		Nickel(T) --- 100	
		Sulfate --- WS		Selenium TVS TVS	
		Sulfide --- 0.002		Silver TVS TVS	
				Uranium varies* varies*	
				Zinc TVS TVS	
7. Mainstem of the Purgatoire River from Interstate 25 to the confluence with the Arkansas River.					
COARLA07	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic 340 ---
	Water Supply	acute	chronic	Arsenic(T) --- 0.02	
	Recreation E	D.O. (mg/L) --- 5.0		Cadmium TVS TVS	
Qualifiers:		pH 6.5 - 9.0 ---		Cadmium(T) 5.0 ---	
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m ²) --- ---		Chromium III --- TVS	
		E. Coli (per 100 mL) --- 126		Chromium III(T) 50 ---	
		Inorganic (mg/L)		Chromium VI TVS TVS	
		acute	chronic	Copper TVS TVS	
		Ammonia TVS TVS		Iron --- WS	
		Boron --- 0.75		Iron(T) --- 1000	
		Chloride --- 250		Lead TVS TVS	
		Chlorine 0.019 0.011		Lead(T) 50 ---	
		Cyanide 0.005 ---		Manganese TVS TVS/WS	
		Nitrate 10 ---		Mercury(T) --- 0.01	
		Nitrite 0.5 ---		Molybdenum(T) --- 150	
		Phosphorus --- ---		Nickel TVS TVS	
		Sulfate --- WS		Nickel(T) --- 100	
		Sulfide --- 0.002		Selenium TVS TVS	
				Silver TVS TVS	
				Uranium varies* varies*	
				Zinc TVS TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

8. Mainstem of Ricardo Creek, including all tributaries and wetlands, which are within Colorado (Costilla and Las Animas Counties), mainstem of the Canadian River, including all tributaries, wetlands, lakes and reservoirs.

COARLA08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9a. Mainstems of Adobe, Buffalo, Cheyenne, Clay, Gageby, Horse, Two Butte, Wildhorse and Wolf Creeks from their sources to their confluences with the Arkansas River. Mainstems of Chacuacho Creek, San Francisco Creek, Trinchera Creek and Van Bremer Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Willow Creek from Highway 287 to the confluence with the Arkansas River. Mainstem of Big Sandy Creek from the source to the El Paso/Elbert county line. Mainstem of South Rush Creek from the source to the confluence with Rush Creek. Mainstem of Middle Rush Creek from the source to the confluence with North Rush Creek. North Rush Creek from the source to the confluence with South Rush Creek. Mainstem of Rush Creek to the Lincoln County Line. Mainstem of Antelope Creek from the source to the confluence with Rush Creek; the West May Valley drain from the Fort Lyon Canal to the confluence with the Arkansas River.

COARLA09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute		chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

9b. Mainstem of Apache Creek from the source to the confluence with the North Rush Creek. Mainstem of Breckenridge Creek from the source to the confluence with Horse Creek. Mainstem of Little Horse Creek from the source to the confluence with Horse Creek. Mainstem of Bob Creek from the source to Meredith Reservoir. Mainstem of Big Sandy Creek within Prowers County. Mainstem of Rule Creek from the Bent/Las Animas county line to John Martin Reservoir. Mainstem of Muddy Creek from the south boundary of the Setchfield State Wildlife Area to the confluence with Rule Creek. Mainstem of Caddoa Creek from CC Road to the confluence with the Arkansas River. Mainstem of Cat Creek from the source to the confluence with Clay Creek. Mainstem of Mustang Creek from the source to the confluence with Apishapa River. Mainstem of Chicosa Creek from the source to the Arkansas River. Mainstem of Smith Canyon from the Otero/Las Animas county line to the confluence with the Purgatoire River. Mainstem of Mud Creek from V Road to the confluence with the Arkansas River. Mainstems of Frijole Creek and Luning Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Blackwell Arroyo from its source to the confluence with Luning Arroyo. Mainstem of San Isidro Creek from the source to the confluence with San Francisco Creek.

COARLA09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute		chronic	Copper	TVS	TVS
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

10. Two Buttes Reservoir, Two Buttes Pond, Hasty Lake, Holbrook Reservoir, Burchfield Lake, Nee-Skah (Queens) Reservoir, Adobe Creek Reservoir, Neeso Pah Reservoir, Nee Noshe Reservoir; Nee Gronda Reservoir.

COARLA10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

11. John Martin Reservoir.							
COARLA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12. Lake Henry, Lake Meredith.							
COARLA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other:		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

12. Lake Henry, Lake Meredith.							
COARLA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

13. American Crystal Reservoir, Chancellor Ponds, Horse Creek Reservoir, Hugo Ponds, Jim Davis Pond, John Robertson Ponds, Karval Lake, Kinney Lake, Kissel Pond, La Junta Kids Pond, Las Animas Kids Pond, Mayhem Pond, Merit Lake, Olney Springs Pond, Otero Pond, Pursley Ponds, Ranch Reservoir, Reynolds Gravel Pit, Pyan Ponds, Thurston Reservoir, Turks Pond, Ramah Reservoir.

COARLA13	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium TVS TVS
Other:		pH	6.5 - 9.0	---	Chromium III TVS TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T) --- 100
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)		Copper TVS TVS	
		acute	chronic	Iron(T) --- 1000	
		Ammonia	TVS	TVS	Lead TVS TVS
		Boron	---	0.75	Manganese TVS TVS
		Chloride	---	---	Mercury(T) --- 0.01
		Chlorine	0.019	0.011	Molybdenum(T) --- 150
		Cyanide	0.005	---	Nickel TVS TVS
		Nitrate	100	---	Selenium TVS TVS
		Nitrite	0.5	---	Silver TVS TVS
		Phosphorus	---	---	Uranium varies* varies*
		Sulfate	---	---	Zinc TVS TVS
		Sulfide	---	0.002	

14. All lakes and reservoirs tributary to the Apishapa River from the source to I-25, except for specific listings in Middle Arkansas segment 19.

COARLA14	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T) 50 ---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)		Copper TVS TVS	
*Uranium(acute) = See 32.5(3) for details.		acute	chronic	Iron --- WS	
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T) --- 1000
		Boron	---	0.75	Lead TVS TVS
		Chloride	---	250	Lead(T) 50 ---
		Chlorine	0.019	0.011	Manganese TVS TVS/WS
		Cyanide	0.005	---	Mercury(T) --- 0.01
		Nitrate	10	---	Molybdenum(T) --- 150
		Nitrite	0.05	---	Nickel TVS TVS
		Phosphorus	---	0.025*	Nickel(T) --- 100
		Sulfate	---	WS	Selenium TVS TVS
		Sulfide	---	0.002	Silver TVS TVS(tr)
					Uranium varies* varies*
					Zinc TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

15. All lakes and reservoirs tributary to the mainstem of the North Fork of the Purgatoire River from the source to a point immediately below the confluence with Guajatoyah Creek. All lakes and reservoirs tributary to the Middle Fork of the Purgatoire River from the source to the USGS gage at Stonewall. Mainstem of the South Fork of the Purgatoire River, from the source to Tercio. Monument Lake, North Lake, Trinidad Lake, Long Canyon Reservoir and Lake Dorothy.

COARLA15	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	Temperature °C	CLL*	CLL *	Arsenic(T)	---	0.02
	Water Supply				Cadmium	TVS(4+)	TVS
	DUWS*				Cadmium(T)	5.0	---
Qualifiers:		D.O. (mg/L)	---	6.0	Chromium III	---	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Monument Lake and North Lake *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. *Temperature = Trinidad Reservoir (CLL)		D.O. (spawning)	---	7.0	Chromium III(T)	50	---
		pH	6.5 - 9.0	---	Chromium VI	TVS	TVS
		chlorophyll a (ug/L)	---	8*	Copper	TVS	TVS
		E. Coli (per 100 mL)	---	126	Iron	---	WS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Lead(T)	50	---
		Ammonia	TVS	TVS	Manganese	TVS	TVS/WS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	250	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Nickel(T)	---	100
		Nitrate	10	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.025*	Uranium	varies*	varies*
		Sulfate	---	WS	Zinc	TVS	TVS
		Sulfide	---	0.002			

16. All lakes and reservoirs tributary to the Purgatoire River from the source to I-25, except for the specific listings in segment 15 and 17.

COARLA16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Cold 2	Temperature °C	CL	CL	Arsenic(T)	---	100
	Recreation E		acute	chronic	Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium(T)	---	10
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (ug/L)	---	8*	Chromium VI(T)	---	100
		E. Coli (per 100 mL)	---	126	Copper(T)	---	200
					Iron	---	---
		Inorganic (mg/L)			Lead(T)	---	100
			acute	chronic	Manganese	---	---
		Ammonia	---	---	Mercury(T)	---	---
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel(T)	---	200
		Chlorine	---	---	Selenium(T)	---	20
		Cyanide	0.2	---	Silver	---	---
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	10	---	Zinc(T)	---	2000
		Phosphorus	---	0.025*			
		Sulfate	---	---			
Sulfide	---	---					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

17. All lakes and reservoirs tributary to Wet Canyon, from the source to the confluence with the Purgatoire River.						
COARLA17	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CL	CL	Arsenic(T)	--- 0.02-10 ^A
	Recreation E	acute	chronic	Beryllium(T)	---	4.0
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium(T)	5.0 ---
Qualifiers:		D.O. (spawning)	---	7.0	Chromium III	--- TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	50 ---
		chlorophyll a (ug/L)	---	8*	Chromium VI(T)	50 100
		E. Coli (per 100 mL)	---	126	Copper(T)	--- 200
		Inorganic (mg/L)		Iron	---	WS
		acute	chronic	Lead(T)	50	100
		Ammonia	---	---	Manganese	--- WS
		Boron	---	0.75	Mercury(T)	2.0 ---
		Chloride	---	250	Molybdenum(T)	--- 150
		Chlorine	---	---	Nickel(T)	--- 100
		Cyanide	0.2	---	Nickel(T)	--- 100
		Nitrate	10	---	Selenium(T)	--- 20
		Nitrite	0.05	---	Silver(T)	100 ---
		Phosphorus	---	0.025*	Uranium	varies* varies*
		Sulfate	---	WS	Zinc(T)	--- 2000
		Sulfide	---	0.05		
18. All lakes and reservoirs tributary to Ricardo Creek, which are within Colorado (Costilla and Las Animas Counties). All lakes and reservoirs tributary to the Canadian River.						
COARLA18	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0 ---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	--- TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50 ---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	--- 1000
		Boron	---	0.75	Lead	TVS TVS
		Chloride	---	250	Lead(T)	50 ---
		Chlorine	0.019	0.011	Manganese	TVS TVS/WS
		Cyanide	0.005	---	Mercury(T)	--- 0.01
		Nitrate	10	---	Molybdenum(T)	--- 150
		Nitrite	0.05	---	Nickel	TVS TVS
		Phosphorus	---	0.025*	Nickel(T)	--- 100
		Sulfate	---	WS	Selenium	TVS TVS
		Sulfide	---	0.002	Silver	TVS TVS(tr)
					Uranium	varies* varies*
					Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

19. All lakes and reservoirs tributary to the Arkansas River, except for specific listings in segments 10-18 and Middle Arkansas Basin segments 19-28.							
COARLA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Ammonia	TVS	TVS	Iron	---	WS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cimarron River Basin

1. Mainstem of the Cimarron River, including all tributaries and wetlands, in Las Animas, Baca, and Prowers Counties, except for the specific listing in segment 2.						
COARCI01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2 Recreation N	Temperature °C	WS-II	WS-II	Arsenic(T)	100
		acute	chronic		Beryllium(T)	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	10
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	100
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	630	Chromium VI(T)	100
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Copper(T)	200
		acute	chronic		Iron	---
		Ammonia	---	---	Lead(T)	100
		Boron	---	0.75	Manganese	---
		Chloride	---	---	Mercury(T)	---
		Chlorine	---	---	Molybdenum(T)	150
		Cyanide	0.2	---	Nickel(T)	200
		Nitrate	100	---	Selenium(T)	20
		Nitrite	10	---	Silver	---
		Phosphorus	---	0.17	Uranium	varies*
		Sulfate	---	---	Zinc(T)	2000
		Sulfide	---	---		

2. Mainstem of North Carrizo Creek from the source to the Colorado/Oklahoma state line; mainstems of East and West Carrizo Creek, to the confluence with North Carrizo Creek; mainstems of Cottonwood Creek and Tecolote Creek to the confluence with West Carrizo Creek, Fitzler Pond.						
COARCI02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 1 Recreation E	Temperature °C	WS-II	WS-II	Arsenic	340
		acute	chronic		Arsenic(T)	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	100
*Uranium(acute) = See 32.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
*Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron(T)	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	150
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.5	---	Silver	TVS
		Phosphorus	---	0.17	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cimarron River Basin

3. All lakes and reservoirs tributary to the Cimarron River.							
COARCI03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Fish Ingestion Standards Apply		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
Sulfide	---	0.002					

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 [for further details on applied standards](#)for details on TVS,
 TVS(tr), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) *Reserved.*
- (C) *Reserved.*

Exhibit 3
Water Quality Control Division
Regulation #33

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 33 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR UPPER COLORADO RIVER BASIN AND NORTH PLATTE RIVER (PLANNING REGION 12)

5 CCR 1002-33

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

33.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 33-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (Trec)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$</p> <p>pH equal to or greater than 7.0</p> <p>Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$</p> <p>pH less than 7.0</p> <p>Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is more stringent</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N)Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ <p>Warm Water = (mg/l as N)Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$ $chronic (Apr 1 - Aug 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ $chronic (Sep 1 - Mar 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028(25 - MAX(T, 7))}$
Cadmium	<p><u>Acute(warm)⁽⁵⁾ = $(1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.443)}$</u></p> <p><u>Acute(cold)⁽⁵⁾ = $(1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.866)}$</u></p> <p><u>Chronic = $(1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 * \ln(\text{hardness}) - 3.909)}$</u></p>

	$\text{Acute} = (1.136672 - [\ln(\text{hardness}) \times (0.041838)]) \times e^{0.9151[\ln(\text{hardness})] - 3.1485}$ $\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) \times (0.041838)]) \times e^{0.9151[\ln(\text{hardness})] - 3.6236}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) \times (0.041838)]) \times e^{0.7998[\ln(\text{hardness})] - 4.4451}$					
Chromium III ⁽⁵⁶⁾	Acute = $e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ Chronic = $e^{(0.819[\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ⁽⁵⁶⁾	Acute = 16 Chronic = 11					
Copper	Acute = $e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ Chronic = $e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$					
Lead	Acute = $(1.46203 - [(\ln \text{hardness}) \times (0.145712)]) \times e^{(1.273[\ln(\text{hardness})] - 1.46)}$ Chronic = $(1.46203 - [(\ln \text{hardness}) \times (0.145712)]) \times e^{(1.273[\ln(\text{hardness})] - 4.705)}$					
Manganese	Acute = $e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ Chronic = $e^{(0.3331[\ln(\text{hardness})] + 5.8743)}$					
Nickel	Acute = $e^{(0.846[\ln(\text{hardness})] + 2.253)}$ Chronic = $e^{(0.846[\ln(\text{hardness})] + 0.0554)}$					
Selenium ⁽⁶⁷⁾	Acute = 18.4 Chronic = 4.6					
Silver	Acute = $1/2e^{(1.72[\ln(\text{hardness})] - 6.52)}$ Chronic = $e^{(1.72[\ln(\text{hardness})] - 9.06)}$ Chronic(Trout) = $e^{(1.72[\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
					(MWAT)	(DM)
	Cold Stream Tier I ⁽⁷⁸⁾	CS-I	brook trout, cutthroat trout	June – Sept.	17.0	21.7
				Oct. – May	9.0	13.0
	Cold Stream Tier II ⁽⁷⁸⁾	CS-II	all other cold-water species	April – Oct.	18.3	24.3
				Nov. – March	9.0	13.0
	Cold Lake ⁽⁸⁹⁾	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. – March	9.0	13.0
	Cold Large Lake (>100 acres surface area) ⁽⁸⁹⁾	CLL	brown trout, lake trout, rainbow trout	April – Dec.	18.3	24.2
				Jan. – March	9.0	13.0
	Warm Stream Tier I	WS-I	common shiner, Johnny darter, orangethroat darter, stonecat	March – Nov.	24.2	29.0
				Dec. – Feb.	12.1	24.6
	Warm Stream Tier II	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, Northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	25.2
	Warm Stream Tier III	WS-III	all other warm-water species	March – Nov.	28.7	31.8
				Dec. – Feb.	14.3	24.9
	Warm Lakes	WL	yellow perch, walleye, pumpkinseed, smallmouth bass, striped bass, white bass, largemouth bass,	April – Dec.	26.2	29.3

			bluegill, spottail shiner, stonecat, northern pike, tiger muskellunge, black crappie, common carp, gizzard shad, sauger, white crappie, wiper	Jan. – March	13.1	24.1
Uranium	$\text{Acute} = e^{(1.1021[\ln(\text{hardness})] + 2.7088)}$ $\text{Chronic} = e^{(1.1021[\ln(\text{hardness})] + 2.2382)}$					
Zinc	$\text{Acute} = 0.978 * e^{(0.9094[\ln(\text{hardness})] + 0.9095)}$ $\text{Chronic} = 0.986 * e^{(0.9094[\ln(\text{hardness})] + 0.6235)}$ <p>if hardness less than 102 mg/l CaCO₃</p> $\text{Chronic (sculpin)} = e^{(2.140[\ln(\text{hardness})] - 5.084)}$					

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 percent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the Commission on a site-specific basis where appropriate evidence is submitted.
- (5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.
- (56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.
- (67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.

- (78) Mountain whitefish-based summer temperature criteria [16.9 (ch), 21.2 (ac)] apply when and where spawning and sensitive early life stages of this species are known to occur.
- (89) Lake trout-based summer temperature criteria [16.6 (ch), 22.4 (ac)] apply where appropriate and necessary to protect lake trout from thermal impacts.

33.64 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2019 EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The Commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

During the 2019 basin review, the commission adopted EPA's 2016 recommended criteria as site-specific standards in select cold water segments. The updated table value standards for cold waters are the same

as EPA's 2016 recommended criteria. Therefore, to reflect the commission's state-wide adoption of the updated table value standards, the cadmium "SSE" were replaced with "TVS" on the following segments:

Blue River: 2c, 4a, 6a, 7, 12

Eagle River: 2, 5a (acute), 5c (acute), 6

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-33

**REGULATION NO. 33
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
UPPER COLORADO RIVER BASIN AND
NORTH PLATTE RIVER (PLANNING REGION 12)**

**APPENDIX 33-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~12/31/2019~~06/30/2020

Abbreviations and Acroynms

Aq	=	Aquatic
°C	=	degrees Celsius
CL	=	cold lake temperature tier
CLL	=	cold large lake temperature tier
CS-I	=	cold stream temperature tier one
CS-II	=	cold stream temperature tier two
D.O.	=	dissolved oxygen
DM	=	daily maximum temperature
DUWS	=	direct use water supply
E. coli	=	<i>Escherichia coli</i>
EQ	=	existing quality
mg/L	=	milligrams per liter
mg/m ²	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
UP	=	use-protected
WS	=	water supply
WS-I	=	warm stream temperature tier one
WS-II	=	warm stream temperature tier two
WS-III	=	warm stream temperature tier three
WL	=	warm lake temperature tier

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

1. Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Rocky Mountain National Park.							
COUCUC01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
2. Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Arapahoe National Recreation Area, except for the specific listing in Segment 5.							
COUCUC02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

3. Mainstem of the Colorado River from the outlet of Lake Granby to below the confluence with the Roaring Fork River.								
COUCUC03	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
			Zinc	TVS	TVS/TVS(sc)			
4. All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to above the confluence with the Roaring Fork River, which are on National Forest lands, except for the specific listings in Segments 2, 8, 9 and 10a.								
COUCUC04	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
			Zinc	TVS	TVS/TVS(sc)			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

5. Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence with the Colorado River.							
COUCUC05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		
6a. All tributaries to the Colorado River, including all wetlands, from the border of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Blue River and Muddy Creek, which are not on National Forest lands, except for the specific listings in Segments 5, 6b, 8 and 10a-c.							
COUCUC06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		

6a. All tributaries to the Colorado River, including all wetlands, from the border of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Blue River and Muddy Creek, which are not on National Forest lands, except for the specific listings in Segments 5, 6b, 8 and 10a-c.							
COUCUC06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).

*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).

*Uranium(acute) = See 33.5(3) for details.

*Uranium(chronic) = See 33.5(3) for details.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

6b. Mainstem of un-named tributary to Willow Creek from the headwaters to the confluence with Willow Creek (40.131422, -105.920895).							
COUCUC06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:	D.O. (spawning)	---	7.0		Chromium III	TVS	TVS
	pH	6.5 - 9.0	---		Chromium III(T)	---	100
	chlorophyll a (mg/m²)	---	---		Chromium VI	TVS	TVS
	E. Coli (per 100 mL)	---	630		Copper	TVS	TVS
					Iron(T)	---	1000
	Inorganic (mg/L)				Lead	TVS	TVS
	acute	chronic		Manganese	TVS	TVS	
	Ammonia	TVS	TVS	Manganese(T)	---	200	
	Boron	---	0.75	Mercury(T)	---	0.01	
	Chloride	---	---	Molybdenum(T)	---	150	
	Chlorine	0.019	0.011	Nickel	TVS	TVS	
	Cyanide	0.005	---	Selenium	TVS	TVS	
	Nitrate	100	---	Silver	TVS	TVS(tr)	
	Nitrite	0.05	---	Uranium	varies*	varies*	
	Phosphorus	---	0.11*	Zinc	TVS	TVS	
	Sulfate	---	---				
	Sulfide	---	0.002				
	7a. All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, which are not on National Forest lands, except for specific listings in Segment 7b, 7c, 7d, 7e and in the Blue River, Eagle River, and Roaring Fork River basins.						
COUCUC07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:	pH	6.5 - 9.0	---		Chromium III	---	TVS
	chlorophyll a (mg/m²)	---	150		Chromium III(T)	50	---
	E. Coli (per 100 mL)	---	126		Chromium VI	TVS	TVS
					Copper	TVS	TVS
	Inorganic (mg/L)				Iron	---	WS
	acute	chronic		Iron(T)	---	1000	
	Ammonia	TVS	TVS	Lead	TVS	TVS	
	Boron	---	0.75	Lead(T)	50	---	
	Chloride	---	250	Manganese	TVS	TVS/WS	
	Chlorine	0.019	0.011	Mercury(T)	---	0.01	
	Cyanide	0.005	---	Molybdenum(T)	---	150	
	Nitrate	10	---	Nickel	TVS	TVS	
	Nitrite	0.05	---	Nicel(T)	---	100	
	Phosphorus	---	0.11	Selenium	TVS	TVS	
	Sulfate	---	WS	Silver	TVS	TVS(tr)	
	Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS	

7a. All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, which are not on National Forest lands, except for specific listings in Segment 7b, 7c, 7d, 7e and in the Blue River, Eagle River, and Roaring Fork River basins.

COUCUC07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute		chronic	Iron(T)	---	1000
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
See 33.6(4) for temperature standards.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

7b. All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River. Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek, Piney River and Blacktail Creek, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest lands.

COUCUC07B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---
	Recreation E	acute	chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(†) TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150*	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Copper	TVS TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		acute		Iron	--- WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		chronic		Iron(T)	--- 1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS TVS	Lead	TVS TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	--- 0.75	Lead(T)	50 ---
		Chloride	--- 250	Manganese	TVS TVS/WS
		Chlorine	0.019 0.011	Mercury(T)	--- 0.01
		Cyanide	0.005 ---	Molybdenum(T)	--- 150
		Nitrate	10 ---	Nickel	TVS TVS
		Nitrite	0.05 ---	Nickel(T)	--- 100
		Phosphorus	--- 0.11*	Selenium	TVS TVS
		Sulfate	--- WS	Silver	TVS TVS(tr)
		Sulfide	--- 0.002	Uranium	varies* varies*
				Zinc	TVS TVS/TVS(sc)

7c. Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch, except those waters on National Forest lands. All tributaries to Muddy Creek, including all wetlands, from the source to the inlet of Wolford Mountain Reservoir, except those waters on National Forest lands. The mainstems of Derby Creek, Cabin Creek, and Red Dirt Creeks (all tributary to the Colorado River), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except those waters on National Forest lands.

COUCUC07C	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---
	Recreation N	acute	chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(†) TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m ²)	--- ---	Chromium III(T)	50 ---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	--- 630	Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
		acute		Iron	--- WS
		chronic		Iron(T)	--- 1000
		Ammonia	TVS TVS	Lead	TVS TVS
		Boron	--- 0.75	Lead(T)	50 ---
		Chloride	--- 250	Manganese	TVS TVS/WS
		Chlorine	0.019 0.011	Mercury(T)	--- 0.01
		Cyanide	0.005 ---	Molybdenum(T)	--- 150
		Nitrate	10 ---	Nickel	TVS TVS
		Nitrite	0.05 ---	Nickel(T)	--- 100
		Phosphorus	--- 0.11	Selenium	TVS TVS
		Sulfate	--- WS	Silver	TVS TVS(tr)
		Sulfide	--- 0.002	Uranium	varies* varies*
				Zinc	TVS TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

7d. Mainstem of Muddy Creek from the outlet of Wolford Mountain Reservoir to above the Highway 40 Bridge in Kremmling (40.060574, -106.398739).								
COUCUC07D	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	
		7e. Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.						
		COUCUC07E	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	7.6		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m²)	---	150*	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
					Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	250	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	0.005	---	Silver	TVS	TVS(tr)	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.05	---	Zinc	TVS	TVS	
		Phosphorus	---	0.11*				
		Sulfate	---	---				
		Sulfide	---	0.002				

7e. Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.								
COUCUC07E	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m²)	---	150*	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
					Manganese	TVS	TVS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

8. Mainstem of the Williams Fork River, including all tributaries and wetlands, from the source to the confluence with the Colorado River, except for those tributaries in Segment 9.							
COUCUC08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS*
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS*
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	190
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
9. All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.							
COUCUC09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9. All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.

COUCUC09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

10a. Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge (39.933728, -105.789785). All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segments 2 and 9.

COUCUC10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

10b. Mainstem of the Fraser River from a point immediately below the Rendezvous Bridge (39.933728, -105.789785) to a point immediately below the Hammond No 1 Ditch (39.952113, -105.814481).

COUCUC10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

10c. Mainstem of the Fraser River from a point immediately below the Hammond No 1 Ditch (39.952113, -105.814481) to the confluence with the Colorado River.							
COUCUC10C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(††)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		
11. All lakes and reservoirs tributary to the Colorado River within Rocky Mountain National Park, Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.							
COUCUC11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(††)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL,CLL from 1/1-3/31 Rim Lake DM=CL and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CL,CLL from 4/1-12/31		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

11. All lakes and reservoirs tributary to the Colorado River within Rocky Mountain National Park, Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.

COUCUC11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
OW	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL,CLL from 1/1-3/31 Rim Lake DM=CL and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CL,CLL from 4/1-12/31		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
							Zinc

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

12. Lakes and reservoirs within Arapahoe National Recreation Area, including Grand Lake, Shadow Mountain Lake and Lake Granby.						
COUCUC12	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies* varies* ^B	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	clarity	---	narrative*	Cadmium	TVS(tr)
	DUWS*	D.O. (mg/L)	---	6.0	Cadmium(T)	5.0
Qualifiers:		D.O. (spawning)	---	7.0	Chromium III	---
Goal Qualifier Grand Lake Clarity		pH	6.5 - 9.0	---	Chromium III(T)	50
Other:		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS
*Goal Qualifier Grand Lake: 7/1-9/11, Clarity = 3.8 meter average and 2.5 meter minimum Secchi disk depth. *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Grand Lake *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *clarity(chronic) = For Grand Lake, the highest level of clarity attainable, consistent with the exercise of established water rights, the protection of aquatic life, and protection of water quality throughout the Three Lakes system. *Temperature = See 33.6(4) for temperature standards.		E. Coli (per 100 mL)	---	126	Copper	TVS
		Inorganic (mg/L)		Iron	---	WS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.025*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
						TVS
13. All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12 and the Blue River and Eagle River subbasins.						
COUCUC13	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies* varies* ^B	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: *DUWS Applies only to Ute Creek Res *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

1. Mainstem of the Blue River from the source to above the confluence with French Gulch.							
COUCBL01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
2a. Mainstem of the Blue River from above the confluence with French Gulch to a point one half mile below Coyne Valley Road (39.523189, -106.050805).							
COUCBL02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	4	4
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic		Iron(T)	---	1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Zinc(acute) = e^(1.25 (ln(hard)+0.799))		Chloride	---	250	Manganese	TVS	TVS/WS
*Zinc(chronic) = e^(1.25 (ln(hard)+0.799))		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	SSE*	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

2b. Mainstem of the Blue River from a point one half mile below Coyne Valley Road (39.523189, -106.050805) to above the confluence with the Swan River.							
COUCBL02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	SSE*	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Cadmium(acute) = 1/2e^(1.0166(ln(hard)-3.132)) *Cadmium(chronic) = 1/2e^(1.0166(ln(hard)-3.132)) *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Zinc(acute) = e^(0.9805(ln(hard)+1.402)) *Zinc(chronic) = e^(0.9805(ln(hard)+1.402))		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	SSE*	SSE*
2c. Mainstem of the Blue River from above the confluence with the Swan River to Dillon Reservoir.							
COUCBL02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.436672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.401672-(ln(hardness)*0.041838)) *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		

2c. Mainstem of the Blue River from above the confluence with the Swan River to Dillon Reservoir.							
COUCBL02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE+TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE+TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		acute	chronic		Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

4b. North Fork of the Swan River, including all tributaries and wetlands, from the source to the confluence with the Swan River.								
COUCBL04B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	
		5. Deleted.						
COUCBL05	Classifications	Physical and Biological			Metals (ug/L)			
Designation		DM	MWAT	acute	chronic			
Qualifiers:		acute	chronic					
Other:								
	Inorganic (mg/L)							
	acute			chronic				

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

6a. Mainstem of the Snake River, including all tributaries and wetlands, from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8 and 9.							
COUCBL06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
<div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div> <div>*Uranium(acute) = See 33.5(3) for details.</div> <div>*Uranium(chronic) = See 33.5(3) for details.</div>		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

6b. Mainstem of Camp Creek, including all tributaries and wetlands, from the source to the confluence with the Snake River.							
COUCBL06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Zinc(acute) = 0.978*e^0.8537(ln Hardness)+1.5227					Copper	TVS	TVS
*Zinc(chronic) = 0.986*e^0.8537(ln Hardness)+1.3519		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

7. Mainstem of Peru Creek, including all tributaries and wetlands, from the source to the confluence with the Snake River, except for specific listings in Segment 8.

COUCBL07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Cold 1	DM		MWAT	acute		chronic
UP	Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	7.6	
Other: $C_{cadmium}(acute) = e^{(0.9789 \cdot \ln(hardness) - 3.866) \cdot (1.136672 \cdot (\ln(hardness) \cdot 0.041838))}$ $C_{cadmium}(chronic) = e^{(0.7977 \cdot \ln(hardness) - 3.909) \cdot (1.101672 \cdot (\ln(hardness) \cdot 0.041838))}$ *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS	
	D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---	
	pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
	chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS	
	E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
				Iron(T)	---	1000	
	Inorganic (mg/L)			Lead	TVS	TVS	
				Manganese	TVS	TVS	
	Ammonia	TVS	TVS	Mercury(T)	---	0.01	
	Boron	---	---	Molybdenum(T)	---	---	
	Chloride	---	---	Nickel	TVS	TVS	
	Chlorine	0.019	0.011	Selenium	TVS	TVS	
	Cyanide	0.005	---	Silver	TVS	TVS(tr)	
	Nitrate	---	---	Uranium	varies*	varies*	
	Nitrite	0.05	---	Zinc	TVS	TVS	
Phosphorus	---	0.11					
Sulfate	---	---					
Sulfide	---	0.002					

8. Mainstem of Keystone Gulch, including all tributaries and wetlands, from the source to the confluence with the Snake River. Mainstem of Chihuahua Creek, including all tributaries and wetlands, from the source to the confluence with Peru Creek. Mainstem of the North Fork Snake River, including all tributaries and wetlands, from the source to the confluence with the Snake River. Mainstem of Jones Gulch, including all tributaries and wetlands, from the source to the confluence with the Snake River.

COUCBL08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

9. Mainstem of Deer Creek, including all tributaries and wetlands, from the source to the confluence with the Snake River.								
COUCBL09	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		10. Mainstem of French Gulch, including all tributaries and wetlands, from the source to a point 1.5 miles below Lincoln (39.484661, -105.995074).						
		COUCBL10	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

10. Mainstem of French Gulch, including all tributaries and wetlands, from the source to a point 1.5 miles below Lincoln (39.484661, -105.995074).							
COUCBL10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

13. Mainstem of Tenmile Creek from the Climax Parshall Flume (39.447556, -106.157003) to a point immediately above the confluence of West Tenmile Creek and all tributaries and wetlands from the source of Tenmile Creek to a point immediately above the confluence with West Tenmile Creek, except for the specific listing in Segment 15.							
COUCBL13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Other: *Any water quality based effluent limit shall not cause or contribute to exceedances of water quality standards adopted to protect downstream uses. *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	---
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS/TVS(sc)
		Phosphorus	---	0.11*			
		Sulfate	---	---			
Sulfide	---	0.002					
14. Mainstem of Tenmile Creek, including all tributaries and wetlands, from a point immediately above the confluence with West Tenmile Creek to Dillon Reservoir, except for the specific listings in Segment 16.							
COUCBL14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 Molybdenum(chronic) = current conditions Expiration Date of 6/30/2020 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	210
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

15. Mainstem of Clinton Creek from the source to the confluence with Tenmile Creek.								
COUCBL15	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	210	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		16. All tributaries to the Blue River, including all wetlands, within the Eagles Nest and Ptarmigan Peak Wilderness Areas.						
		COUCBL16	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

16. All tributaries to the Blue River, including all wetlands, within the Eagles Nest and Ptarmigan Peak Wilderness Areas.							
COUCBL16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

17. Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.							
COUCBL17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listings in Segment 16.							
COUCBL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listings in Segment 16.							
COUCBL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

19. All tributaries to the Blue River, including all wetlands, from the outlet of Green Mountain Reservoir to the confluence with the Colorado River, except for specific listings in Segment 20.

COUCBL19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

20. Mainstems of Elliot Creek and Spruce Creek, including all tributaries and wetlands, from their sources to the confluence with the Blue River.

COUCBL20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

21. All lakes and reservoirs tributary to the Blue River within the Eagles Nest and Ptarmigan Peak Wilderness Areas.							
COUCBL21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
22. Dillon Reservoir and all lakes and reservoirs tributary to the Blue River above Dillon Reservoir, except for specific listings in Segment 21.							
COUCBL22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlrophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Goose Pasture Tarn *Phosphorus(chronic) = 0.0074 mg/l for Dillon Reservoir in the top 15 meters of the water column for the months of July, August, September & October. Additional total phosphorus or Chla standards adopted for this segment do not apply to Dillon Reservoir. *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.0074*	Selenium	TVS	TVS
		Phosphorus	---	0.025*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

22. Dillon Reservoir and all lakes and reservoirs tributary to the Blue River above Dillon Reservoir, except for specific listings in Segment 21.							
COUCBL22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
	Qualifiers:	pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:	chlorophyll a (ug/L)	---	8*		Chromium III(T)	50	---
	E. Coli (per 100 mL)	---	126		Chromium VI	TVS	TVS
Temporary Modification(s):					Copper	TVS	TVS
Arsenic(chronic) = hybrid					Iron	---	WS
Expiration Date of 12/31/2021					Inorganic (mg/L)		
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.0074*	Selenium	TVS	TVS
		Phosphorus	---	0.025*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
		Sulfide	---	0.002	Zinc	TVS	TVS

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

*Classification: DUWS Applies only to Goose Pasture Tarn

*Phosphorus(chronic) = 0.0074 mg/l for Dillon Reservoir in the top 15 meters of the water column for the months of July, August, September & October. Additional total phosphorus or Chla standards adopted for this segment do not apply to Dillon Reservoir.

*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

*Uranium(acute) = See 33.5(3) for details.

*Uranium(chronic) = See 33.5(3) for details.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

23. All lakes and reservoirs tributary to the Blue River below Dillon Reservoir, except for specific listings in Segment 21.							
COUCBL23	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL/CLL from 1/1-3/31 Green Mountain Reservoir DM=22.4 and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CL/CLL from 4/1-12/31		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
					Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

1. All tributaries to the Eagle River, including all wetlands, within the Gore Range - Eagles Nest and Holy Cross Wilderness Areas.

COUCEA01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
OW*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)		---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Designation: Consistent with the provisions of section 25-8-104 C.R.S. the OW designation shall not apply with respect to the Homestake Water Project of the Cities of Aurora and Colorado Springs. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

2. Mainstem of the Eagle River from the source to above the compressor house bridge at Belden (39.526879, -106.394950).

COUCEA02	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---	
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS	
<div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div> <div>*Uranium(acute) = See 33.5(3) for details.</div> <div>*Uranium(chronic) = See 33.5(3) for details.</div>		Inorganic (mg/L)			Copper	TVS	TVS	
		acute			chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	0.11*	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	

Temporary Modification(s):
 Arsenic(chronic) = hybrid
 Expiration Date of 12/31/2021

 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).
~~*Cadmium(acute) = e⁴(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))~~
~~*Cadmium(chronic) = e⁴(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))~~
 *Uranium(acute) = See 33.5(3) for details.
 *Uranium(chronic) = See 33.5(3) for details.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

3. All tributaries to the Eagle River, including wetlands, from the source to above the compressor house bridge at Belden (39.526879, -106.394950), except for the specific listings in Segments 1 and 4.

COUCEA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CS-I	CS-I	Temperature °C	340	---	
	Recreation E	acute	chronic				
	Water Supply	---	6.0	D.O. (mg/L)	TVS(tr)	TVS	
Qualifiers:		---	7.0	D.O. (spawning)	5.0	---	
Other:		6.5 - 9.0	---	pH	---	TVS	
Temporary Modification(s):		---	150	chlorophyll a (mg/m ²)	50	---	
Arsenic(chronic) = hybrid		---	126	E. Coli (per 100 mL)	TVS	TVS	
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		TVS	TVS	Ammonia	TVS	TVS	
		---	0.75	Boron	50	---	
		---	250	Chloride	TVS	TVS/WS	
		0.019	0.011	Chlorine	---	0.01	
		0.005	---	Cyanide	---	150	
		10	---	Nitrate	TVS	TVS	
		0.05	---	Nitrite	---	100	
		---	0.11	Phosphorus	TVS	TVS	
		---	WS	Sulfate	TVS	TVS(tr)	
		---	0.002	Sulfide	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)

4. Mainstem of Homestake Creek from the confluence of the East Fork to the confluence with the Eagle River.

COUCEA04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CS-I	CS-I	Temperature °C	340	---	
	Recreation E	acute	chronic				
	Water Supply	---	6.0	D.O. (mg/L)	TVS(tr)	TVS	
Qualifiers:		---	7.0	D.O. (spawning)	5.0	---	
Other:		6.5 - 9.0	---	pH	---	TVS	
		---	150	chlorophyll a (mg/m ²)	50	---	
		---	126	E. Coli (per 100 mL)	TVS	TVS	
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		TVS	TVS	Ammonia	TVS	TVS	
		---	0.75	Boron	50	---	
		---	250	Chloride	TVS	TVS/WS	
		0.019	0.011	Chlorine	---	0.01	
		0.005	---	Cyanide	---	150	
		10	---	Nitrate	TVS	TVS	
		0.05	---	Nitrite	---	100	
		---	0.11	Phosphorus	TVS	TVS	
		---	WS	Sulfate	TVS	TVS(tr)	
		---	0.002	Sulfide	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

5a. Mainstem of the Eagle River from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691).

COUCEA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE *TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	---	SSE*
		Ammonia	TVS	TVS	Copper	SSE*	---
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury(T)	---	0.01
		Phosphorus	---	---	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

*Designation: 9/30/00 Baseline does not apply
~~*Cadmium(acute) = e^{^(0.9789*ln(hardness)-3.866)}*(1.136672-(ln(hardness)*0.041838))~~
 Cadmium(chronic) = (1.101672-[ln(hardness)(0.041838)])* e^{^(0.7998 [ln(hardness)]-3.1725)}
 *Copper(acute) = 0.96*e^{0.9801[ln(hardness)] - 1.1073}
 *Copper(chronic) = 0.96*e^{0.5897[ln(hardness)] - 0.0053}
 *Uranium(acute) = See 33.5(3) for details.
 *Uranium(chronic) = See 33.5(3) for details.
 *Zinc(acute) = 0.978*e^{0.8537[ln(hardness)]+2.1302}
 *Zinc(chronic) = 0.986*e^{0.8537[ln(hardness)]+1.9593}

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

5b. Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691) to a point immediately above the confluence with Martin Creek.

COUCEA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	---	SSE*
		Inorganic (mg/L)			Copper	SSE*	---
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

5c. Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.							
COUCEA05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	---	SSE*
		acute	chronic		Copper	SSE*	---
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

6. All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.							
COUCEA06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

6. All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.								
COUCEA06	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
	Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
		Recreation E	acute	chronic	Arsenic(T)	---	0.02	
		Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---	
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
					Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))

*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))

*Uranium(acute) = See 33.5(3) for details.

*Uranium(chronic) = See 33.5(3) for details.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

7a. Mainstem of Cross Creek from the source to below the Minturn Water Facility (39.565419, -106.417032), except for the specific listings in Segment 1.								
COUCEA07A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	
		7b. Mainstem of Cross Creek from below the Minturn Water Facility (39.565419, -106.417032) to the confluence with the Eagle River.						
		COUCEA07B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	SSE*	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Designation: 9/30/00 Baseline does not apply *Cadmium(chronic) = (1.101672-[ln(hardness)*(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725) *Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865 *Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+2.1302 from 1/1 - 4/30 0.978*e^0.8537[ln(hardness)]+1.4189 from 5/1 - 12/31 *Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.9593 from 1/1 - 4/30 0.986*e^0.8537[ln(hardness)]+1.2481 from 5/1 - 12/31		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	---	SSE*	
		Inorganic (mg/L)			Copper	SSE*	---	
		acute	chronic	Iron	---	WS		
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	---	SSE*	
					Zinc	SSE*	---	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Eagle River Basin

8. Mainstem of Gore Creek from the confluence with the confluence with Black Gore Creek to the confluence with the Eagle River.							
COUCEA08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Temperature =		Chloride	---	250	Manganese	TVS	TVS/WS
MWAT= 14 from 6/1 - 6/30		Chlorine	0.019	0.011	Mercury(T)	---	0.01
MWAT=CS-I from 7/1 - 9/30		Cyanide	0.005	---	Molybdenum(T)	---	150
MWAT=12 from 10/1 - 10/15		Nitrate	10	---	Nickel	TVS	TVS
MWAT=CS-I from 10/16 - 5/31		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

9a. Mainstem of the Eagle River from above Gore Creek to a point immediately below the confluence with Squaw Creek.							
COUCEA09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
MWAT=16 from 6/1 - 6/30		Boron	---	0.75	Lead(T)	50	---
MWAT=CS-I from 7/1 - 9/30		Chloride	---	250	Manganese	TVS	TVS/WS
MWAT=12 from 10/1 - 10/15		Chlorine	0.019	0.011	Mercury(T)	---	0.01
MWAT=11 from 10/16 - 10/31		Cyanide	0.005	---	Molybdenum(T)	---	150
MWAT=CS-I from 11/1 - 5/31		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

9b. Mainstem of the Eagle River from a point immediately below the confluence with Squaw Creek to a point immediately below the confluence with Rube Creek.							
COUCEA09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM=15 and MWAT=12 from 4/1 - 5/31 DM=CS-II and MWAT=CS-II from 6/1 - 9/30 DM=15 and MWAT=12 from 10/1 - 10/15 DM=15 and MWAT=11 from 10/16 - 10/31 DM=CS-II and MWAT=CS-II from 11/1-3/31		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
9c. Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.							
COUCEA09C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9c. Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.							
COUCEA09C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

10a. All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.

COUCEA10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

10b. Abrams Creek, including all tributaries and wetlands, from the source to the eastern boundary of the United States Bureau of Land Management lands.

COUCEA10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

11. Mainstem of Alkali Creek (near Wolcott) from the source to the confluence with the Eagle River. Mainstem of Milk Creek from the source to the confluence with the Eagle River.								
COUCEA11	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---	
Reviewable	Recreation P	acute	chronic	Arsenic(T)	---	7.6		
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium(T)	---	100	
		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
				Copper	TVS	TVS		
		Inorganic (mg/L)		Iron(T)	---	1000		
				acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron	---	0.75	Manganese(T)	---	200	
		Chloride	---	250	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.05	---	Silver	TVS	TVS(tr)	
		Phosphorus	---	0.11	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				

12. Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks, except for those tributaries included in Segment 1.								
COUCEA12	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
Reviewable	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
				Copper	TVS	TVS		
		Inorganic (mg/L)		Iron	---	WS		
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

13. All lakes and reservoirs tributary to the Eagle River within the Gore Range - Eagles Nest and Holy Cross Wilderness Areas.							
COUCEA13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
						Zinc	TVS
14. All lakes and reservoirs tributary to the Eagle River except for specific listings in Segment 13.							
COUCEA14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
						Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

1. All tributaries to the Roaring Fork River, including all wetlands, within the Maroon Bells/Snowmass, Holy Cross, Raggeds, Collegiate Peaks and Hunter/Fryingpan Wilderness Areas.

COUCRF01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

2. Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.

COUCRF02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

3a. Mainstem of the Roaring Fork River, from a point immediately below the confluence with Hunter Creek, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b.

COUCRF03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3b. Mainstem of Red Canyon, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River, except for Landis Creek from the source to the Hopkins Ditch (39.522138, -107.223479).

COUCRF03B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

3c. Mainstem of the Roaring Fork River from a point immediately below the confluence with the Fryspan River to the confluence with the Colorado River.							
COUCRF03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
3d. Mainstem of Cattle Creek, including all tributaries and wetlands, from the source to the most downstream White River National Forest boundary.							
COUCRF03D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3d. Mainstem of Cattle Creek, including all tributaries and wetlands, from the source to the most downstream White River National Forest boundary.							
COUCRF03D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

4. Mainstem of Brush Creek from the source to the confluence with the Roaring Fork River.							
COUCRF04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
5. Mainstem of the Fryingpan River from the source to the confluence with the North Fork Fryingpan River, except for the portion included in Segment 1.							
COUCRF05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Uranium(acute) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

6. Mainstem of the Fryingpan River from the confluence with the North Fork Fryingpan River to the confluence with the Roaring Fork River.							
COUCRF06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

7. All tributaries to the Fryingpan River, including all wetlands, from the source to the confluence with the Roaring Fork River, except for those tributaries included in Segment 1.							
COUCRF07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

8. Mainstem of the Crystal River, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River, except for the specific listings in Segments 1, 9, 10a and 10b.

COUCRF08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9. Mainstem of Coal Creek, including all tributaries and wetlands, from the source to the confluence with the Crystal River.

COUCRF09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

10a. Mainstem of Thompson Creek, including all tributaries and wetlands, from the source to the confluence with the Crystal River, except for specific listings in Segment 10b.							
COUCRF10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		
10b. Mainstem of North Thompson Creek, including all tributaries and wetlands, from the source to the White River National Forest boundary. Mainstem of Middle Thompson Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with the South Branch of Middle Thompson Creek.							
COUCRF10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
			Zinc	TVS	TVS/TVS(sc)		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

11. All lakes and reservoirs tributary to the Roaring Fork River within the Maroon Bells/Snowmass, Holy Cross, Raggeds, Collegiate Peaks and Hunter/Fryingpan Wilderness Areas.						
COUCRF11	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340
	Recreation E				Arsenic(T)	0.02
	Water Supply				Arsenic(T)	0.02
Qualifiers:		acute	chronic			
Other:						
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL,CLL from 1/1-3/31 Savage Lake, Ivanhoe Lake DM=CL and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CL,CLL from 4/1-12/31		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS
12. All lakes and reservoirs tributary to the Roaring Fork River, except for the specific listings in Segment 11.						
COUCRF12	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies* ^B	Arsenic	340
	Recreation E				Arsenic(T)	0.02
	Water Supply				Arsenic(T)	0.02
Qualifiers:		acute	chronic			
Other:						
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Leonard Thomas Res and Wildcat Res *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL,CLL from 1/1-3/31 Ruedi Reservoir DM=22.4 and MWAT=20.3 from 4/1-12/31 All others DM and MWAT=CL,CLL from 4/1-12/31		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury(T)	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

1. All tributaries to the North Platte and Encampment Rivers, including all wetlands, within the Mount Zirkel, Never Summer, and Platte River Wilderness Areas.							
COUCNP01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
2. Mainstem of the Encampment River, including all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segment 1.							
COUCNP02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

3. Mainstem of the North Platte River from the confluence of Grizzly Creek and Little Grizzly Creek to the Colorado/Wyoming border.						
COUCNP03	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E		acute	chronic	Arsenic(T)	---
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
4a. All tributaries to the North Platte River, including all wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segments 1, 4b, 5a, 5b, 6, 7a and 7b.						
COUCNP04A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E		acute	chronic	Arsenic(T)	---
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

4b. Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River, except for specific listings in Segments 7a and 7b. Mainstem of the Canadian River from below 12E Road (40.720033, -106.088912) to the confluence with the North Platte River. All tributaries to the Canadian River, including wetlands, which enter the mainstem from the southwest from below 12E Road to the confluence with the North Platte River.

COUCNP04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5a. Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.

COUCNP05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

5b. Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.							
COUCNP05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

6. Mainstem of Pinkham Creek from the Routt National Forest boundary to the confluence with the North Platte River.							
COUCNP06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

6. Mainstem of Pinkham Creek from the Routt National Forest boundary to the confluence with the North Platte River.							
COUCNP06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

7a. Mainstem of Government Creek from the boundary of the Colorado State Forest to the confluence with the Canadian River. Mainstem of Spring Creek from the source to Spring Creek (Number 31) Reservoir.

COUCNP07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	---	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	630	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
Sulfide	---	0.002					

7b. Mainstem of Spring Creek from the outlet of Spring Creek (Number 31) Reservoir to the confluence with the Illinois River.

COUCNP07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute		chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

8. All lakes and reservoirs tributary to the North Platte and Encampment Rivers within the Mount Zirkel, Never Summer, and Platte River Wilderness Areas.					
COUCNP08	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
OW	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) ---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = DM and MWAT=CL,CLL from 1/1-3/31 Blue Lake, Lower Big Twin Lake, Katherine Lake DM=CL and MWAT=16.6 from 4/1-12/31 All others DM and MWAT=CL,CLL from 4/1-12/31		pH	6.5 - 9.0	---	Chromium III --- TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T) 50 ---
		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
		acute	chronic	Iron	--- WS
		Ammonia	TVS	TVS	Iron(T) --- 1000
		Boron	---	0.75	Lead TVS TVS
		Chloride	---	250	Lead(T) 50 ---
		Chlorine	0.019	0.011	Manganese TVS TVS/WS
		Cyanide	0.005	---	Mercury(T) --- 0.01
		Nitrate	10	---	Molybdenum(T) --- 150
		Nitrite	0.05	---	Nickel TVS TVS
		Phosphorus	---	0.025*	Nickel(T) --- 100
		Sulfate	---	WS	Selenium TVS TVS
		Sulfide	---	0.002	Silver TVS TVS(tr)
					Uranium varies* varies*
					Zinc TVS TVS
9. All lakes and reservoirs tributary to the North Platte and Encampment Rivers except for specific listings in Segment 8.					
COUCNP09	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies* B	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) ---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		pH	6.5 - 9.0	---	Chromium III --- TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T) 50 ---
		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
		acute	chronic	Iron	--- WS
		Ammonia	TVS	TVS	Iron(T) --- 1000
		Boron	---	0.75	Lead TVS TVS
		Chloride	---	250	Lead(T) 50 ---
		Chlorine	0.019	0.011	Manganese TVS TVS/WS
		Cyanide	0.005	---	Mercury(T) --- 0.01
		Nitrate	10	---	Molybdenum(T) --- 150
		Nitrite	0.05	---	Nickel TVS TVS
		Phosphorus	---	0.025*	Nickel(T) --- 100
		Sulfate	---	WS	Selenium TVS TVS
		Sulfide	---	0.002	Silver TVS TVS(tr)
					Uranium varies* varies*
					Zinc TVS TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

1. All tributaries to the Yampa River, including all wetlands, which are within the Mount Zirkel, Flat Tops and Sarvis Creek Wilderness Areas.							
COUCYA01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
				Copper	TVS	TVS	
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
				Zinc	TVS	TVS/TVS(sc)	
2a. Mainstem of the Yampa River from the confluence of the Bear River and Phillips Creek to a point immediately above the confluence with Oak Creek.							
COUCYA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
				Copper	TVS	TVS	
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
				Zinc	TVS	TVS/TVS(sc)	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

2b. Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.							
COUCYA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 temperature(MWAT) = current conditions 7/1 - 9/30 temperature(MWAT) = current conditions 11/1 - 11/30 Expiration Date of 12/31/2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
3. All tributaries to the Yampa River, including all wetlands, from the source to above the confluence with the Elk River, except for specific listings in Segments 1 and 4-7. Mainstem of the Bear River, including all tributaries and wetlands, from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River.							
COUCYA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

3. All tributaries to the Yampa River, including all wetlands, from the source to above the confluence with the Elk River, except for specific listings in Segments 1 and 4-7. Mainstem of the Bear River, including all tributaries and wetlands, from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River.							
COUCYA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

4. Mainstem of Little White Snake Creek from the source to the confluence with the Yampa River.							
COUCYA04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
5. Mainstem of Chimney Creek and Phillips Creek, including all tributaries and wetlands, which are not on National Forest lands, from their sources to the confluence with the Yampa River.							
COUCYA05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02	
	Recreation P	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

6. Mainstem of Oak Creek, including all tributaries and wetlands, from the source to a point 0.25 mile below County Road 27 (40.279241, -106.965405).																																																																																																																																																																																																																																																																
COUCYA06	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																																																																																																																																																											
Designation	Agriculture	DM	MWAT	acute	chronic																																																																																																																																																																																																																																																											
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---																																																																																																																																																																																																																																																									
	Recreation E	acute	chronic	Arsenic(T)	---	0.02																																																																																																																																																																																																																																																										
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td>Qualifiers:</td><td></td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td rowspan="17">Other:</td><td rowspan="17">pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>---</td><td>150</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="7">7. Mainstem of Oak Creek, including all tributaries and wetlands, from a point 0.25 mile below County Road 27 (40.279241, -106.965405) to the confluence with the Yampa River.</td></tr> <tr><td>COUCYA07</td><td>Classifications</td><td colspan="3">Physical and Biological</td><td colspan="2">Metals (ug/L)</td></tr> <tr><td>Designation</td><td>Agriculture</td><td>DM</td><td>MWAT</td><td>acute</td><td colspan="2">chronic</td></tr> <tr><td rowspan="3">Reviewable</td><td>Aq Life Cold 1</td><td>Temperature °C</td><td>CS-II</td><td>CS-II</td><td>Arsenic</td><td>340</td><td>---</td></tr> <tr><td>Recreation P</td><td>acute</td><td>chronic</td><td>Arsenic(T)</td><td>---</td><td>0.02</td></tr> <tr><td>Water Supply</td><td>D.O. (mg/L)</td><td>---</td><td>6.0</td><td>Cadmium</td><td>TVS<tr><td>Qualifiers:</td><td></td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr><tr><td rowspan="17">Other:</td><td rowspan="17">pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr><tr><td>---</td><td>150*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr><tr><td>---</td><td>205</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr><tr><td colspan="2"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr><tr><td colspan="2">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr><tr><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr><tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr><tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr><tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr><tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr><tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr><tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr><tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr><tr><td>Phosphorus</td><td>---</td><td>0.11*</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr><tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr><tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr><tr><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr></td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other:	pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	6.5 - 9.0	---	Chromium III	---	TVS	---	150	Chromium III(T)	50	---	---	126	Chromium VI	TVS	TVS			Copper	TVS	TVS	Inorganic (mg/L)		Iron	---	WS	acute	chronic	Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS/WS	Chlorine	0.019	0.011	Mercury(T)	---	0.01	Cyanide	0.005	---	Molybdenum(T)	---	150	Nitrate	10	---	Nickel	TVS	TVS	Nitrite	0.05	---	Nickel(T)	---	100	Phosphorus	---	0.11	Selenium	TVS	TVS	Sulfate	---	WS	Silver	TVS	TVS(tr)	Sulfide	---	0.002	Uranium	varies*	varies*			Zinc	TVS	TVS	7. Mainstem of Oak Creek, including all tributaries and wetlands, from a point 0.25 mile below County Road 27 (40.279241, -106.965405) to the confluence with the Yampa River.							COUCYA07	Classifications	Physical and Biological			Metals (ug/L)		Designation	Agriculture	DM	MWAT	acute	chronic		Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	Recreation P	acute	chronic	Arsenic(T)	---	0.02	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td>Qualifiers:</td><td></td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td rowspan="17">Other:</td><td rowspan="17">pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>---</td><td>150*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>---</td><td>205</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11*</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other:	pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	6.5 - 9.0	---	Chromium III	---	TVS	---	150*	Chromium III(T)	50	---	---	205	Chromium VI	TVS	TVS			Copper	TVS	TVS	Inorganic (mg/L)		Iron	---	WS	acute	chronic	Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS/WS	Chlorine	0.019	0.011	Mercury(T)	---	0.01	Cyanide	0.005	---	Molybdenum(T)	---	150	Nitrate	10	---	Nickel	TVS	TVS	Nitrite	0.05	---	Nickel(T)	---	100	Phosphorus	---	0.11*	Selenium	TVS	TVS	Sulfate	---	WS	Silver	TVS	TVS(tr)	Sulfide	---	0.002	Uranium	varies*	varies*			Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																																																																																																																																																																									
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7. Mainstem of Oak Creek, including all tributaries and wetlands, from a point 0.25 mile below County Road 27 (40.279241, -106.965405) to the confluence with the Yampa River.																																																																																																																																																																																																																																																																
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All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

8. Mainstem of the Elk River, including all tributaries and wetlands, from the source to the confluence with the Yampa River, except for those tributaries included in Segments 1 and 20a. Mainstem of the West Fork Elk River from the source to the confluence with the Yampa River.

COUCYA08	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
	Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
			acute	chronic	Arsenic(T)	---	0.02	
			D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:			D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:			pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):			chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021						Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.			Inorganic (mg/L)			Iron	---	WS
			acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	

9. Deleted.

COUCYA09	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Qualifiers:		acute	chronic		
Other:					
		Inorganic (mg/L)			
		acute	chronic		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

10. Deleted.						
COUCYA10	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			
11. Fish Creek, including all tributaries and wetlands, from the source to County Road 27 (40.355559, -107.105131), except for specific listings in Segment 20a.						
COUCYA11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340	---
	Water Supply		acute chronic	Arsenic(T)	---	0.02
	Recreation N	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0 ---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m²)	--- ---	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	--- 630	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid				Copper	TVS	TVS
Expiration Date of 12/31/2021				Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.				Iron(T)	---	1000
*Uranium(chronic) = See 33.5(3) for details.				Lead	TVS	TVS
		Ammonia	TVS TVS	Lead(T)	50	---
		Boron	--- 0.75	Manganese	TVS	TVS/WS
		Chloride	--- 250	Manganese(T)	---	200
		Chlorine	0.019 0.011	Mercury(T)	---	0.01
		Cyanide	0.005 ---	Molybdenum(T)	---	150
		Nitrate	10 ---	Nickel	TVS	TVS
		Nitrite	0.05 ---	Nickel(T)	---	100
		Phosphorus	--- 0.11	Selenium	TVS	TVS
		Sulfate	--- WS	Silver	TVS	TVS(tr)
		Sulfide	--- 0.002	Uranium	varies*	varies*
				Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

12. All tributaries to the Yampa River, including all wetlands, from above the confluence with the Elk River to above the confluence with Elkhead Creek, except for specific listings in Segments 8, 11, 13a-13j and 20a.

COUCYA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 2 Recreation N	Temperature °C	CS-II	CS-II	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	100
		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:	*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	---	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	630	Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
					Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Manganese(T)	---	200
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS(tr)
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

13a. Mainstem of Trout Creek, including all tributaries and wetlands, from the source to the headgate of Spruce Hill Ditch (40.317190, -107.005110), except for specific listings in Segments 1 and 20a. Mainstem of Middle Creek, including all tributaries and wetlands, from the source to County Road 27 (40.339183, -107.025533), except for specific listings in Segment 20a.

COUCYA13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	0.02
		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
					Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Yampa River Basin

13b. Mainstem of Foidel Creek, including all tributaries and wetlands, from the source to the confluence with Middle Creek. Mainstem of Fish Creek, including all tributaries and wetlands, from County Road 27 (40.355559, -107.105131) to the confluence with Trout Creek, except for specific listings in Segment 13g. Mainstem of Middle Creek, including all tributaries and wetlands, from County Road 27 (40.339183, -107.025533) to the confluence with Trout Creek.

COUCYA13B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other: Temporary Modification(s): Selenium(chronic) = current conditions* Expiration Date of 12/31/2022 *Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations for Foidel Creek and Middle Creek. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards. *TempMod: Selenium = applies to Foidel Creek and Middle Creek.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Iron(T)	---	varies*
		acute		chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
Sulfide	---	0.002					

13c. Mainstem of Trout Creek, including all tributaries and wetlands, from the headgate of Spruce Hill Ditch (40.317190, -107.005110) to the confluence with Fish Creek, except for specific listings in Segment 13b.

COUCYA13C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

13d. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to above the confluence with Temple Gulch.							
COUCYA13D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: Temporary Modification(s): Iron(chronic) = current condition Expiration Date of 6/30/2023 Selenium(chronic) = current conditions Expiration Date of 12/31/2022 *Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	varies*
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
13e. Mainstem of Sage Creek, including all tributaries and wetlands, from the source to the confluence with the Yampa River.							
COUCYA13E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Recreation N	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Selenium(chronic) = current conditions Expiration Date of 12/31/2022 *Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations for Sage Creek. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	630	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Iron(T)	---	varies*
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury(T)	---	0.01
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
			Silver	TVS	TVS		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

13e. Mainstem of Sage Creek, including all tributaries and wetlands, from the source to the confluence with the Yampa River.							
COUCYA13E		Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Recreation N	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	630	Chromium III(T)	50	---
Selenium(chronic) = current conditions		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2022			acute	chronic	Copper	TVS	TVS
*Iron(T)(chronic) = See section 33.6(4) for standards and assessment locations for Sage Creek. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Iron(T)	---	varies*
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury(T)	---	0.01
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

13f. Mainstem of Trout Creek, including all tributaries and wetlands, from a point immediately below the confluence with Fish Creek to the confluence with the Yampa River.					
COUCYA13F	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Copper TVS TVS	
*Uranium(acute) = See 33.5(3) for details.		acute		chronic	Iron --- WS
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Iron(T) --- 1000
*Temperature =		Boron	---	0.75	Lead TVS TVS
See 33.6(4) for temperature standards.		Chloride	---	250	Lead(T) 50 ---
		Chlorine	0.019	0.011	Manganese TVS TVS/WS
		Cyanide	0.005	---	Mercury(T) --- 0.01
		Nitrate	10	---	Molybdenum(T) --- 150
		Nitrite	0.05	---	Nickel TVS TVS
		Phosphorus	---	0.11	Nickel(T) --- 100
		Sulfate	---	WS	Selenium TVS TVS
		Sulfide	---	0.002	Silver TVS TVS(tr)
					Uranium varies* varies*
					Zinc TVS TVS

13g. All tributaries to Fish Creek from the confluence with Cow Camp Creek (40.398773, -107.016467) to the confluence with Trout Creek.					
COUCYA13G	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium TVS TVS
Other:		pH	6.5 - 9.0	---	Chromium III TVS TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T) --- 100
Selenium(chronic) = current conditions		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/2022		Inorganic (mg/L)		Copper TVS TVS	
*Uranium(acute) = See 33.5(3) for details.		acute		chronic	Iron(T) --- 1000
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead TVS TVS
		Boron	---	0.75	Manganese TVS TVS
		Chloride	---	---	Mercury(T) --- 0.01
		Chlorine	0.019	0.011	Molybdenum(T) --- 150
		Cyanide	0.005	---	Nickel TVS TVS
		Nitrate	100	---	Selenium TVS TVS
		Nitrite	0.05	---	Silver TVS TVS
		Phosphorus	---	0.17	Uranium varies* varies*
		Sulfate	---	---	Zinc TVS TVS
		Sulfide	---	0.002	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

13h. Mainstem of Dry Creek (near Hayden), including all tributaries and wetlands, from above the confluence with Temple Gulch to the confluence with the Yampa River.							
COUCYA13H	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: Temporary Modification(s): Selenium(chronic) = current conditions Expiration Date of 12/31/2022 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

13i. Mainstem of Grassy Creek, including all tributaries and wetlands, from the source to immediately above the confluence with Scotchmans Gulch.							
COUCYA13I	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: Temporary Modification(s): Iron(chronic) = current conditions* Expiration Date of 6/30/2023 Selenium(chronic) = current conditions Expiration Date of 12/31/2022 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Iron = applies to Grassy Creek.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

13i. Mainstem of Grassy Creek, including all tributaries and wetlands, from the source to immediately above the confluence with Scotchmans Gulch.							
COUCYA13I	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: Temporary Modification(s): Iron(chronic) = current conditions* Expiration Date of 6/30/2023 Selenium(chronic) = current conditions Expiration Date of 12/31/2022 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *TempMod: Iron = applies to Grassy Creek.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

13j. Mainstem of Grassy Creek (near Hayden), including all tributaries and wetlands, from above the confluence with Scotchmans Gulch to the confluence with the Yampa River.							
COUCYA13J	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: Temporary Modification(s): Selenium(chronic) = current conditions Expiration Date of 12/31/2022 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
14. Mainstem of Elkhead Creek, including all tributaries and wetlands, from the boundary of the National Forest lands, to a point immediately below the confluence with Calf Creek. Dry Fork Elkhead Creek, including all tributaries and wetlands, from the source to a point immediately below 80A Road (40.612676, -107.228533), which are not on National Forest lands.							
COUCYA14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

15. Mainstem of Elkhead Creek, including all tributaries and wetlands, from a point immediately below the confluence with Calf Creek to the confluence with the Yampa River. Dry Fork Elkhead Creek, including all tributaries and wetlands, from a point immediately below 80A Road (40.612676, -107.228533) to the confluence with Elkhead Creek.							
COUCYA15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
16. Deleted.							
COUCYA16	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
Qualifiers:			acute	chronic			
Other:							
		Inorganic (mg/L)					
			acute	chronic			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

17. Deleted.							
COUCYA17	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
Qualifiers:		acute	chronic				
Other:							
		Inorganic (mg/L)					
		acute	chronic				
18. South Fork Little Snake River and Middle Fork Little Snake River, including all tributaries and wetlands, from their sources to the confluence with the Little Snake River, which are not on National Forest lands. North Fork Little Snake River, including all tributaries and wetlands, from the Colorado/Wyoming border to the confluence with the Little Snake River.							
COUCYA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

19. All tributaries to the South Fork Little Snake River and Middle Fork Little Snake River, including all wetlands, which are on National Forest lands in Routt County.							
COUCYA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
20a. All tributaries to the Yampa River, including all wetlands, from above the confluence with the Elk River to below the confluence with Elkhead Creek, which are on National Forest lands, except for specific listings in Segment 20b.							
COUCYA20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

20b. Mainstem of First Creek from the eastern boundary of state lands in California Park (40.731309, -107.141684) to the confluence with Elkhead Creek. Mainstem of Elkhead Creek from the eastern boundary of state lands in California Park (40.743796, -107.141684) to the National Forest boundary.

COUCYA20B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

21. All lakes and reservoirs tributary to the Yampa River within the Mount Zirkel, Flat Tops and Sarvis Creek Wilderness Areas, except for those lakes and reservoirs included in Lower Yampa River Segment 28.

COUCYA21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
OW	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

22. All lakes and reservoirs tributary to the Yampa River from the source to the confluence with Elkhead Creek, except for those listed in Segment 21. All lakes and reservoirs tributary to Elkhead Creek from the source to the confluence with the Yampa River, except for specific listings in Segment 23. All lakes and reservoirs tributary to the Little Snake River, including those on National Forest lands.

COUCYA22	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies* varies* ^B	Arsenic	340 ---
	Recreation E		acute chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS
	DUWS*	D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Qualifiers:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Stagecoach Res. Steamboat Lake and Yampa River Holding Pond *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		chlorophyll a (ug/L)	--- 8*	Chromium III(T)	50 ---
		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
			acute chronic	Iron	--- WS
		Ammonia	TVS TVS	Iron(T)	--- 1000
		Boron	--- 0.75	Lead	TVS TVS
		Chloride	--- 250	Lead(T)	50 ---
		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
		Cyanide	0.005 ---	Mercury(T)	--- 0.01
		Nitrate	10 ---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	Nickel	TVS TVS
		Phosphorus	--- 0.025*	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	Silver	TVS TVS(tr)
				Uranium	varies* varies*
				Zinc	TVS TVS

23. Elkhead Reservoir

COUCYA23	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL WL	Arsenic	340 ---
	Recreation E		acute chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4); applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0 ---	Chromium III	--- TVS
		chlorophyll a (ug/L)	--- 8*	Chromium III(T)	50 ---
		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
			acute chronic	Iron	--- WS
		Ammonia	TVS TVS	Iron(T)	--- 1000
		Boron	--- 0.75	Lead	TVS TVS
		Chloride	--- 250	Lead(T)	50 ---
		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
		Cyanide	0.005 ---	Mercury(T)	--- 0.01
		Nitrate	10 ---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	Nickel	TVS TVS
		Phosphorus	--- 0.025*	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	Silver	TVS TVS
				Uranium	varies* varies*
				Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

Exhibit 4
Water Quality Control Division
Regulation #34

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN RIVER AND DOLORES RIVER BASINS

5 CCR 1002-34

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

34.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 34-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (T)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$</p> <p>pH equal to or greater than 7.0</p> <p>Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$</p> <p>pH less than 7.0</p> <p>Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is less</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N) Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ <p>Warm Water = (mg/l as N) Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$ $chronic (Apr1 - Aug31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ $chronic (Sep1 - Mar31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028(25 - MAX(T, 7))}$

Cadmium	$\text{Acute(warm)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 \ln(\text{hardness}) - 3.443)}$ $\text{Acute(cold)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 \ln(\text{hardness}) - 3.866)}$ $\text{Chronic} = (1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 \ln(\text{hardness}) - 3.909)}$ $\text{Acute} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151 [\ln(\text{hardness})] - 3.1485}$ $\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151 [\ln(\text{hardness})] - 3.6236}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.7998 [\ln(\text{hardness})] - 4.4451}$					
Chromium III ⁽⁵⁶⁾	$\text{Acute} = e^{(0.819 [\ln(\text{hardness})] + 2.5736)}$ $\text{Chronic} = e^{(0.819 [\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ⁽⁵⁶⁾	$\text{Acute} = 16$ $\text{Chronic} = 11$					
Copper	$\text{Acute} = e^{(0.9422 [\ln(\text{hardness})] - 1.7408)}$ $\text{Chronic} = e^{(0.8545 [\ln(\text{hardness})] - 1.7428)}$					
Lead	$\text{Acute} = (1.46203 - [(\ln(\text{hardness}) * (0.145712))] * e^{(1.273 [\ln(\text{hardness})] - 1.46)}$ $\text{Chronic} = (1.46203 - [(\ln(\text{hardness}) * (0.145712))] * e^{(1.273 [\ln(\text{hardness})] - 4.705)}$					
Manganese	$\text{Acute} = e^{(0.3331 [\ln(\text{hardness})] + 6.4676)}$ $\text{Chronic} = e^{(0.3331 [\ln(\text{hardness})] + 5.8743)}$					
Nickel	$\text{Acute} = e^{(0.846 [\ln(\text{hardness})] + 2.253)}$ $\text{Chronic} = e^{(0.846 [\ln(\text{hardness})] + 0.0554)}$					
Selenium ⁽⁶⁷⁾	$\text{Acute} = 18.4$ $\text{Chronic} = 4.6$					
Silver	$\text{Acute} = \frac{1}{2} e^{(1.72 [\ln(\text{hardness})] - 6.52)}$ $\text{Chronic} = e^{(1.72 [\ln(\text{hardness})] - 9.06)}$ $\text{Chronic(Trout)} = e^{(1.72 [\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
					MWAT	DM
	Cold Stream Tier 1	CS-I	brook trout, cutthroat trout	June – Sept.	17.0	21.7
				Oct. – May	9.0	13.0
	Cold Stream Tier 2	CS-II	all other cold-water species	April – Oct.	18.3	24.3
				Nov. – March	9.0	13.0
	Cold Lakes	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. – March	9.0	13.0
	Cold Large Lakes (>100 acres surface area)	CLL	rainbow trout, brown trout, lake trout	April – Dec.	18.3	24.2
				Jan. – March	9.0	13.0
	Warm Stream Tier 2	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	25.2
	Warm Stream Tier 3	WS-III	all other warm-water species	March – Nov.	28.7	31.8
				Dec. – Feb.	14.3	24.9

	Warm Lakes	WL	black crappie, bluegill, common carp, gizzard shad, golden shiner, largemouth bass, northern pike, pumpkinseed, sauger, smallmouth bass, spottail shiner, stonecat, striped bass, tiger muskellunge, walleye, wiper, white bass, white crappie, yellow perch	April – Dec.	26.2	29.3
				Jan. – March	13.1	24.1
Uranium	Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$ Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$					
Zinc	Acute = $0.978 * e^{(0.9094[\ln(\text{hardness})]+0.9095)}$ Chronic = $0.986 * e^{(0.9094[\ln(\text{hardness})]+0.6235)}$ Where hardness is less than 102 mg/L CaCO ³ and mottled sculpin are expected to be present: Chronic (sculpin) = $e^{(2.140[\ln(\text{hardness})]-5.084)}$					

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/L as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the commission on a site-specific basis where appropriate evidence is submitted.
- (5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.
- (56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the

water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.

- (67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.

34.51 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

A. Aquatic Life Standards for Cadmium

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

During the 2017 basin review, the commission adopted EPA's 2016 recommended criteria as site-specific standards in select cold water segments. The updated table value standards for cold waters are the same as EPA's 2016 recommended criteria. Therefore, to reflect the commission's state-wide adoption of the updated table value standards, the cadmium "SSE" were replaced with "TVS" on the following segments:

Animas Florida: 3a, 3c, 4a, 4b, 6 and 9

Dolores River: 9

B. Clarifications to Appendix 34-1

To improve the clarity and usability of the tables, an acronym list was added to the front of Appendix 34-1 and the footnote referencing Section 34.6 was also simplified.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-34

**REGULATION NO. 34
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
SAN JUAN RIVER AND DOLORES RIVER BASINS**

**APPENDIX 34-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2019~~06/30/2020

Abbreviations and Acronyms

<u>Aq</u>	=	<u>Aquatic</u>
<u>°C</u>	=	<u>degrees Celsius</u>
<u>CL</u>	=	<u>cold lake temperature tier</u>
<u>CLL</u>	=	<u>cold large lake temperature tier</u>
<u>CS-I</u>	=	<u>cold stream temperature tier one</u>
<u>CS-II</u>	=	<u>cold stream temperature tier two</u>
<u>D.O.</u>	=	<u>dissolved oxygen</u>
<u>DM</u>	=	<u>daily maximum temperature</u>
<u>DUWS</u>	=	<u>direct use water supply</u>
<u>E. coli</u>	=	<u><i>Escherichia coli</i></u>
<u>EQ</u>	=	<u>existing quality</u>
<u>mg/L</u>	=	<u>milligrams per liter</u>
<u>mg/m²</u>	=	<u>milligrams per square meter</u>
<u>mL</u>	=	<u>milliliter</u>
<u>MWAT</u>	=	<u>maximum weekly average temperature</u>
<u>OW</u>	=	<u>outstanding waters</u>
<u>sc</u>	=	<u>sculpin</u>
<u>SSE</u>	=	<u>site-specific equation</u>
<u>T</u>	=	<u>total recoverable</u>
<u>t</u>	=	<u>total</u>
<u>tr</u>	=	<u>trout</u>
<u>TVS</u>	=	<u>table value standard</u>
<u>µg/L</u>	=	<u>micrograms per liter</u>
<u>UP</u>	=	<u>use-protected</u>
<u>WS</u>	=	<u>water supply</u>
<u>WS-I</u>	=	<u>warm stream temperature tier one</u>
<u>WS-II</u>	=	<u>warm stream temperature tier two</u>
<u>WS-III</u>	=	<u>warm stream temperature tier three</u>
<u>WL</u>	=	<u>warm lake temperature tier</u>

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

1a. Mainstem of the Navajo River including all wetlands and tributaries from the boundary of the South San Juan Wilderness Area to below the confluence with Sheep Creek.
Mainstem of the Little Navajo River, including all wetlands and tributaries, from the boundary of the South San Juan Wilderness Area to the San Juan-Chama Diversion.

COSJSJ01A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m²))	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

1b. Mainstem of the Navajo River, including all wetlands and tributaries from below the confluence with Sheep Creek to the Colorado/New Mexico border, except for specific listings in Segment 3.

COSJSJ01B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (mg/m²))	---	150	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.11	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr=trout

sc=sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

2. Mainstem of the Navajo River from the Colorado/New Mexico border to the confluence with the San Juan River.										
COSJSJ02	Classifications			Physical and Biological			Metals (ug/L)			
Designation	Agriculture			DM	MWAT	acute		chronic		
Reviewable	Aq Life Warm 1			Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation E			acute	chronic	Arsenic	340	---		
	Water Supply			D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:				D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:				pH	6.5 - 9.0	---	Cadmium	TVS	TVS	
Temporary Modification(s):				chlorophyll a (mg/m²))	---	150	Cadmium(T)	5.0	---	
Arsenic(chronic) = hybrid				E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
Expiration Date of 12/31/2021							Chromium III(T)	50	---	
*Southern Ute Indian Reservation				Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS		
				Ammonia	TVS	TVS	Iron	---	WS	
				Boron	---	0.75	Iron(T)	---	1000	
				Chloride	---	250	Lead	TVS	TVS	
				Chlorine	0.019	0.011	Lead(T)	50	---	
				Cyanide	0.005	---	Manganese	TVS	TVS/WS	
				Nitrate	10	---	Mercury	---	0.01(t)	
				Nitrite	0.05	---	Molybdenum(T)	---	150	
				Phosphorus	---	0.17	Nickel	TVS	TVS	
				Sulfate	---	WS	Nickel(T)	---	100	
				Sulfide	---	0.002	Selenium	TVS	TVS	
							Silver	TVS	TVS	
							Uranium	---	---	
							Zinc	TVS	TVS	
3. Mainstem of the Little Navajo River from the San Juan-Chama diversion to the confluence with the Navajo River; all tributaries to the Navajo River and the Little Navajo River, including all wetlands, from the San Juan-Chama diversions to the confluence with the San Juan River.										
COSJSJ03	Classifications			Physical and Biological			Metals (ug/L)			
Designation	Agriculture			DM	MWAT	acute		chronic		
Reviewable	Aq Life Warm 2			Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation N	11/1 - 4/30		acute	chronic	Arsenic	340	---		
	Recreation P	5/1 - 10/31		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100	
Qualifiers:				pH	6.5 - 9.0	---	Beryllium	---	---	
Other:				chlorophyll a (mg/m²))	---	150	Beryllium(T)	---	100	
				E. Coli (per 100 mL)	5/1 - 10/31	---	205	Cadmium	TVS	TVS
				E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	TVS	TVS
							Chromium III(T)	---	100	
				Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS		
				Ammonia	TVS	TVS	Iron(T)	---	1000	
				Boron	---	0.75	Lead	TVS	TVS	
				Chloride	---	---	Manganese	TVS	TVS	
				Chlorine	0.019	0.011	Mercury	---	0.01(t)	
				Cyanide	0.005	---	Molybdenum(T)	---	150	
				Nitrate	100	---	Nickel	TVS	TVS	
				Nitrite	---	---	Selenium	TVS	TVS	
				Phosphorus	---	0.17	Silver	TVS	TVS	
				Sulfate	---	---	Uranium	---	---	
Sulfide	---	0.002	Zinc	TVS	TVS					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

4. All tributaries to the San Juan River, Rio Blanco, and Navajo River including all wetlands which are within the Weminuche Wilderness area and South San Juan Wilderness Area.						
COSJSJ04	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.11	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
5. The East and West Forks of the San Juan River, including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence of the mainstem of the San Juan River. All tributaries to the San Juan River from a point below the confluence with the West Fork to a point below the confluence with Fourmile Creek.						
COSJSJ05	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

6a. Mainstem of the San Juan River from a point immediately below the confluence with the West Fork to Highway 160 in Pagosa Springs.						
COSJSJ06A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

6b. Mainstem of the San Juan River from Highway 160 in Pagosa Springs to the Southern Ute Indian Reservation Northern boundary. Mainstem of Mill Creek from the source to the confluence with the San Juan River.						
COSJSJ06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	Aluminum	---
	Recreation E	Temperature °C	4/1 - 10/31	varies*	Arsenic	340
	Water Supply			varies* C	Arsenic(T)	---
Qualifiers:		acute	chronic		Beryllium	---
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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San Juan River Basin

6c. Mainstem of the San Juan River from the Southern Ute Indian Reservation northern boundary to the confluence with Taylor Canyon.										
COSJSJ06C		Classifications		Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT			acute	chronic	
		Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 10/31	26.4*	22.1* °C	Arsenic	340	---		
	Water Supply					Arsenic(T)	---	0.02		
Qualifiers:				acute	chronic	Beryllium	---	---		
Other: *Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS			
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---			
		pH	6.5 - 9.0	---	Chromium III	---	TVS			
		chlorophyll a (mg/m²))	---	---	Chromium III(T)	50	---			
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS			
					Copper	TVS	TVS			
		Inorganic (mg/L)			Iron	---	WS			
		acute	chronic	Iron(T)	---	1000				
		Ammonia	TVS	TVS	Lead	TVS	TVS			
		Boron	---	0.75	Lead(T)	50	---			
		Chloride	---	250	Manganese	TVS	TVS/WS			
		Chlorine	0.019	0.011	Mercury	---	0.01(t)			
		Cyanide	0.005	---	Molybdenum(T)	---	150			
		Nitrate	10	---	Nickel	TVS	TVS			
		Nitrite	0.05	---	Nickel(T)	---	100			
		Phosphorus	---	---	Selenium	TVS	TVS			
		Sulfate	---	WS	Silver	TVS	TVS(tr)			
		Sulfide	---	0.002	Uranium	---	---			
					Zinc	TVS	TVS			
		6d. Mainstem of the San Juan River from the confluence with Taylor Canyon to the confluence with the Rio Blanco.								
COSJSJ06D		Classifications		Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT			acute	chronic	
		Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 10/31	27.1*	22.5* °C	Arsenic	340	---		
	Water Supply					Arsenic(T)	---	0.02		
Qualifiers:				acute	chronic	Beryllium	---	---		
Other: *Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS			
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---			
		pH	6.5 - 9.0	---	Chromium III	---	TVS			
		chlorophyll a (mg/m²))	---	---	Chromium III(T)	50	---			
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS			
					Copper	TVS	TVS			
		Inorganic (mg/L)			Iron	---	WS			
		acute	chronic	Iron(T)	---	1000				
		Ammonia	TVS	TVS	Lead	TVS	TVS			
		Boron	---	0.75	Lead(T)	50	---			
		Chloride	---	250	Manganese	TVS	TVS/WS			
		Chlorine	0.019	0.011	Mercury	---	0.01(t)			
		Cyanide	0.005	---	Molybdenum(T)	---	150			
		Nitrate	10	---	Nickel	TVS	TVS			
		Nitrite	0.05	---	Nickel(T)	---	100			
		Phosphorus	---	---	Selenium	TVS	TVS			
		Sulfate	---	WS	Silver	TVS	TVS(tr)			
		Sulfide	---	0.002	Uranium	---	---			
					Zinc	TVS	TVS			

6d. Mainstem of the San Juan River from the confluence with Taylor Canyon to the confluence with the Rio Blanco.										
COSJSJ06D	Classifications	Physical and Biological				Metals (ug/L)				
Designation	Agriculture	DM		MWAT	acute		chronic			
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---		
	Recreation E	Temperature °C	4/1 - 10/31	27.1*	22.5* °C	Arsenic	340	---		
	Water Supply					Arsenic(T)	---	0.02		
Qualifiers:		acute		chronic						
Other:		D.O. (mg/L)	---	6.0	Beryllium				---	---
		D.O. (spawning)	---	7.0	Cadmium				TVS(tr)	TVS
		pH	6.5 - 9.0	---	Cadmium(T)				5.0	---
		chlorophyll a (mg/m²))	---	---	Chromium III				---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)				50	---
					Chromium VI				TVS	TVS
					Copper				TVS	TVS
					Iron				---	WS
					Iron(T)				---	1000
					Lead				TVS	TVS
					Lead(T)				50	---
					Manganese				TVS	TVS/WS
					Mercury				---	0.01(t)
					Molybdenum(T)				---	150
					Nickel				TVS	TVS
					Nickel(T)				---	100
					Selenium				TVS	TVS
					Silver				TVS	TVS(tr)
					Uranium				---	---
					Zinc				TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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6e. Mainstem of the San Juan River from the confluence with the Rio Blanco to the confluence with the Navajo River.							
COSJSJ06E	Classifications	Physical and Biological				Metals (ug/L)	
Designation	Agriculture	DM		MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---
	Recreation E	Temperature °C	4/1 - 10/31	28.7*	23.5* C	Arsenic	340
	Water Supply					Arsenic(T)	---
Qualifiers:							0.02
Other:							
*Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.							
6f. Mainstem of the San Juan River from the confluence with the Navajo River to Navajo Reservoir.							
COSJSJ06F	Classifications	Physical and Biological				Metals (ug/L)	
Designation	Agriculture	DM		MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---
	Recreation E	Temperature °C	4/1 - 10/31	28.8*	24.2* C	Arsenic	340
	Water Supply					Arsenic(T)	---
Qualifiers:							0.02
Other:							
*Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.							

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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7. Mainstem of the Rio Blanco, including all tributaries and wetlands, from the boundary of the South San Juan Wilderness Area to below the confluence with Leche Creek.						
COSJSJ07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

8. Navajo Reservoir. Echo Canyon Reservoir.

COSJSJ08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (ug/L)	---	20*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.5	---	Manganese	TVS
		Phosphorus	---	0.083*	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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9a. Mainstem of the Rio Blanco, including all tributaries and wetlands, from a point immediately below the confluence with Leche Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 10.

COSJSJ09A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	---
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	---
		Phosphorus	0.11	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

9b. Mainstem of the Rio Blanco, including all tributaries and wetlands, from the boundary of the Southern Ute Indian Reservation to the confluence with the San Juan River.

COSJSJ09B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
*Southern Ute Indian Reservation		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	---
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	---
		Phosphorus	0.11	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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10. Mainstem of the Rito Blanco River from Echo Ditch to the confluence with the Rio Blanco River.										
COSJSJ10	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 2		Temperature °C	CS-II	CS-II	Aluminum	---	---		
	Recreation E			acute	chronic	Arsenic	340	---		
	Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 ^A		
Qualifiers:			D.O. (spawning)	---	7.0	Beryllium	---	---		
Other:			pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS		
			chlorophyll a (mg/m²))	---	150	Cadmium(T)	5.0	---		
			E. Coli (per 100 mL)	---	126	Chromium III	---	TVS		
						Chromium III(T)	50	---		
			Inorganic (mg/L)			Chromium VI	TVS	TVS		
						acute	chronic	Copper	TVS	TVS
			Ammonia	TVS	TVS	Iron	---	WS		
			Boron	---	0.75	Iron(T)	---	1000		
			Chloride	---	250	Lead	TVS	TVS		
			Chlorine	0.019	0.011	Lead(T)	50	---		
			Cyanide	0.005	---	Manganese	TVS	TVS/WS		
			Nitrate	10	---	Mercury	---	0.01(t)		
			Nitrite	0.05	---	Molybdenum(T)	---	150		
			Phosphorus	---	0.11	Nickel	TVS	TVS		
			Sulfate	---	WS	Nickel(T)	---	100		
			Sulfide	---	0.002	Selenium	TVS	TVS		
						Silver	TVS	TVS(tr)		
						Uranium	---	---		
						Zinc	TVS	TVS		
			11a. All tributaries to the San Juan River, including wetlands, from a point immediately below the confluence with Fourmile Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 6a, 6b, 9a, 9b and 11c.							
COSJSJ11A	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic		
Reviewable	Aq Life Warm 1		Temperature °C	WS-II	WS-II	Aluminum	---	---		
	Recreation E	5/1 - 10/31		acute	chronic	Arsenic	340	---		
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02		
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---		
Qualifiers:			chlorophyll a (mg/m²))	---	150	Cadmium	TVS(tr)	TVS		
Other:			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Cadmium(T)	5.0	---	
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	---	TVS	
						Chromium III(T)	50	---		
			Inorganic (mg/L)			Chromium VI	TVS	TVS		
						acute	chronic	Copper	TVS	TVS
			Ammonia	TVS	TVS	Iron	---	WS		
			Boron	---	0.75	Iron(T)	---	1000		
			Chloride	---	250	Lead	TVS	TVS		
			Chlorine	0.019	0.011	Lead(T)	50	---		
			Cyanide	0.005	---	Manganese	TVS	TVS/WS		
			Nitrate	10	---	Mercury	---	0.01(t)		
			Nitrite	0.05	---	Molybdenum(T)	---	150		
			Phosphorus	---	0.11	Nickel	TVS	TVS		
			Sulfate	---	WS	Nickel(T)	---	100		
			Sulfide	---	0.002	Selenium	TVS	TVS		
						Silver	TVS	TVS(tr)		
						Uranium	---	---		
						Zinc	TVS	TVS		

11a. All tributaries to the San Juan River, including wetlands, from a point immediately below the confluence with Fourmile Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 6a, 6b, 9a, 9b and 11c.										
COSJSJ11A	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT	acute		chronic			
Reviewable	Aq Life Warm 1		Temperature °C	WS-II	WS-II	Aluminum	---	---		
	Recreation E	5/1 - 10/31	acute	chronic		Arsenic	340	---		
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02		
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---		
Qualifiers:			chlorophyll a (mg/m²))	---	150	Cadmium	TVS(tr)	TVS		
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Cadmium(T)	5.0	---	
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	---	TVS	
						Chromium III(T)	50	---		
						Inorganic (mg/L)	Chromium VI	TVS	TVS	
						acute	chronic	Copper	TVS	TVS
			Ammonia	TVS	TVS	Iron	---	WS		
			Boron	---	0.75	Iron(T)	---	1000		
			Chloride	---	250	Lead	TVS	TVS		
			Chlorine	0.019	0.011	Lead(T)	50	---		
			Cyanide	0.005	---	Manganese	TVS	TVS/WS		
			Nitrate	10	---	Mercury	---	0.01(t)		
			Nitrite	0.05	---	Molybdenum(T)	---	150		
			Phosphorus	---	0.11	Nickel	TVS	TVS		
			Sulfate	---	WS	Nickel(T)	---	100		
			Sulfide	---	0.002	Selenium	TVS	TVS		
						Silver	TVS	TVS(tr)		
						Uranium	---	---		
						Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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11b. All tributaries to the San Juan River, including wetlands, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border except for the specific listings in Segments 6a, 6b, 9a and 9b. Sambrito Creek, Scaggs Canyon, Sandoval Canyon and other unnamed tributaries that flow directly into Navajo Reservoir.

COSJSJ11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E 5/1 - 10/31		acute	chronic	Arsenic	340	---
	Recreation N 11/1 - 4/30	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	Water Supply	pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:		chlorophyll a (mg/m ²))	---	150	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL) 5/1 - 10/31	---	126	Cadmium(T)	5.0	---
*Southern Ute Indian Reservation		E. Coli (per 100 mL) 11/1 - 4/30	---	630	Chromium III	TVS	TVS
					Chromium III(T)	---	100
			Inorganic (mg/L)		Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

11c. McCabe Creek from the source to the confluence with the San Juan River.

COSJSJ11C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C 11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C 4/1 - 10/31	25.1*	21.6* C	Arsenic	340	---
	Water Supply				Arsenic(T)	---	0.02
Qualifiers:			acute	chronic	Beryllium	---	---
Other:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Temporary Modification(s):		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		chlorophyll a (mg/m ²))	---	150	Chromium III	---	TVS
Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
*Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.			Inorganic (mg/L)		Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

12. All tributaries to the San Juan River in Archuleta County, including all wetlands, except for specific listings in Segments 1a, 1b, 2, 3, 4, 5, 6a, 6b, 7, 9a, 9b, 10, 11a, 11b and 12b. This segment includes Coyote Creek from its source to the Colorado/New Mexico border.

COSJSJ12	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT	acutechronic					
Reviewable	Aq Life Warm 2		Temperature °C	WS-III	WS-III	Aluminum	---	---		
	Recreation N	11/1 - 4/30	acute	chronic	Arsenic	340	---			
	Recreation P	5/1 - 10/31	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6		
Qualifiers:			pH	6.5 - 9.0	---	Beryllium	---	---		
Other:			chlorophyll a (mg/m²))	---	150	Beryllium(T)	---	100		
			E. Coli (per 100 mL)	5/1 - 10/31	---	205	Cadmium	TVS	TVS	
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	---	TVS	
						Chromium III(T)	---	100		
			Inorganic (mg/L)			Chromium VI	TVS	TVS		
						acutechronic	Copper	TVS	TVS	
			Ammonia			TVS	TVS	Iron(T)	---	1000
			Boron			---	0.75	Lead	TVS	TVS
			Chloride			---	---	Manganese	TVS	TVS
			Chlorine			0.019	0.011	Mercury	---	0.01(t)
			Cyanide			0.005	---	Molybdenum(T)	---	150
			Nitrate			100	---	Nickel	TVS	TVS
			Nitrite			---	---	Selenium	TVS	TVS
			Phosphorus			---	0.17	Silver	TVS	TVS
			Sulfate			---	---	Uranium	---	---
			Sulfide			---	0.002	Zinc	TVS	TVS

13. All lakes and reservoirs that are tributary to the mainstem of the Navajo River and the Little Navajo River, from the boundary of the South San Juan Wilderness Area to the Colorado/New Mexico border, except for specific listings in Segment 14. This segment includes Gardner Lake, Fall View Lake, Hidden Lake, Dolomite Lake, Bull Elk Pond, Price Lakes, and Spence Reservoir.

COSJSJ13	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr=trout

sc=sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

14. All lakes and reservoirs that are tributary to the Navajo River and the Little Navajo River, from the San Juan-Chama diversions to the confluence with the San Juan River.								
COSJSJ14	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---	
	Recreation N	11/1 - 4/30	acute	chronic	Arsenic	340	---	
	Recreation P	5/1 - 10/31	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Beryllium(T)	---	100	
		E. Coli (per 100 mL)	5/1 - 10/31	---	205	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	TVS	TVS
					Chromium III(T)	---	100	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury	---	0.01(t)	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	---	---	Silver	TVS	TVS	
		Phosphorus	---	0.083*	Uranium	---	---	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				
		15a. All lakes and reservoirs which are tributary to the Rio Blanco, from the boundary of South San Juan Wilderness Area to the Southern Ute Indian Reservation boundary. This segment includes Harris Lake, Buckles Lake, and Crescent Lake.						
COSJSJ15A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
			Uranium	---	---			
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

15b. All lakes and reservoirs which are tributary to the Rio Blanco, from the boundary of the Southern Ute Indian Reservation to the confluence with the San Juan River.						
COSJSJ15B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*Southern Ute Indian Reservation *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute			Chromium VI	TVS
		chronic			Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
		16. All lakes and reservoirs which are tributary to the San Juan River, Rio Blanco, and Navajo River and located within the Weminuche Wilderness Area and South San Juan Wilderness Area. This segment includes Archuleta Lake, Spruce Lakes, Turkey Creek Lake, Fourmile Lake, Upper Fourmile Lake, Crater Lake, Quartz Lake, Fish Lake, and Opal Lake.				
COSJSJ16	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute			Chromium VI	TVS
		chronic			Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

16. All lakes and reservoirs which are tributary to the San Juan River, Rio Blanco, and Navajo River and located within the Weminuche Wilderness Area and South San Juan Wilderness Area. This segment includes Archuleta Lake, Spruce Lakes, Turkey Creek Lake, Fourmile Lake, Upper Fourmile Lake, Crater Lake, Quartz Lake, Fish Lake, and Opal Lake.							
COSJSJ16	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)		Chromium III(T)	50	---	
				Chromium VI	TVS	TVS	
				Copper	TVS	TVS	
				Iron	---	WS	
				Iron(T)	---	1000	
				Lead	TVS	TVS	
				Lead(T)	50	---	
				Manganese	TVS	TVS/WS	
				Mercury	---	0.01(t)	
				Molybdenum(T)	---	150	
				Nickel	TVS	TVS	
				Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	---	---	
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

17. All lakes and reservoirs that are tributary to the San Juan River and the East Fork and West Fork of the San Juan River, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence with Fourmile Creek. This segment includes Born Lake, Hatcher Lakes, T Lazy T Reservoir, and Lost Lake.

COSJSJ17	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	0.01(t)
		Nitrite	0.05	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	100
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

18a. All lakes and reservoirs tributary to the San Juan River from a point immediately below the confluence with Fourmile Creek to the Southern Ute Indian Reservation boundary, except for the specific listings in Segment 8.

COSJSJ18A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	WL	WL	Aluminum	---
	Recreation E 5/1 - 10/31	acute	chronic	Arsenic	340
	Recreation N 11/1 - 4/30	D.O. (mg/L)	---	Arsenic(T)	7.6
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (ug/L)	---	Cadmium	TVS(tr)
		E. Coli (per 100 mL) 5/1 - 10/31	---	Chromium III	TVS
		E. Coli (per 100 mL) 11/1 - 4/30	---	Chromium III(T)	100
				Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron(T)	1000
		Ammonia	TVS	Lead	TVS
		Boron	---	Manganese	TVS
		Chloride	---	Mercury	0.01(t)
		Chlorine	0.019	Molybdenum(T)	---
		Cyanide	0.005	Nickel	TVS
		Nitrate	100	Selenium	TVS
		Nitrite	0.05	Silver	TVS
		Phosphorus	---	Uranium	---
		Sulfate	---	Zinc	TVS
		Sulfide	---		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

18b. All lakes and reservoirs which are tributary to the San Juan River from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border, except for the specific listing in Segment 8.

COSJSJ18B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	WL		WL	---		---
	Recreation E 5/1 - 10/31	acute		chronic	340		---
	Recreation N 11/1 - 4/30	---		5.0	---		7.6
Qualifiers:		pH 6.5 - 9.0		---	Beryllium		---
Other:		chlorophyll a (ug/L) ---		20*	Cadmium TVS(tr)		TVS
	E. Coli (per 100 mL) 5/1 - 10/31	---		126	Chromium III		TVS
	E. Coli (per 100 mL) 11/1 - 4/30	---		630	Chromium III(T)		---
					Chromium VI		TVS
		Inorganic (mg/L)			Copper		TVS
		acute		chronic	Lead		TVS
	Ammonia	TVS		TVS	Manganese		TVS
	Boron	---		0.75	Mercury		0.01(t)
	Chloride	---		---	Molybdenum(T)		150
	Chlorine	0.019		0.011	Nickel		TVS
	Cyanide	0.005		---	Selenium		TVS
	Nitrate	100		---	Silver		TVS
	Nitrite	0.05		---	Uranium		---
	Phosphorus	---		0.083*	Zinc		TVS
	Sulfate	---		---			
	Sulfide	---		0.002			

19. All lakes and reservoirs in Archuleta County which are tributary to the San Juan River, except for specific listings in Segment 18b. All lakes and reservoirs which are tributary to Coyote Creek from its source to the Colorado/New Mexico border.

COSJSJ19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	WL		WL	---		---
	Recreation N 11/1 - 4/30	acute		chronic	340		---
	Recreation P 5/1 - 10/31	---		5.0	Arsenic(T)		7.6
Qualifiers:		pH 6.5 - 9.0		---	Beryllium		---
Fish Ingestion		chlorophyll a (ug/L) ---		20*	Beryllium(T)		100
Other:		E. Coli (per 100 mL) 5/1 - 10/31		205	Cadmium		TVS
	E. Coli (per 100 mL) 11/1 - 4/30	---		630	Chromium III		TVS
					Chromium III(T)		100
		Inorganic (mg/L)			Chromium VI		TVS
		acute		chronic	Copper		TVS
	Ammonia	TVS		TVS	Iron(T)		1000
	Boron	---		0.75	Lead		TVS
	Chloride	---		---	Manganese		TVS
	Chlorine	0.019		0.011	Mercury		0.01(t)
	Cyanide	0.005		---	Molybdenum(T)		150
	Nitrate	100		---	Nickel		TVS
	Nitrite	---		---	Selenium		TVS
	Phosphorus	---		0.083*	Silver		TVS
	Sulfate	---		---	Uranium		---
	Sulfide	---		0.002	Zinc		TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

1. All tributaries to the Piedra River, including all wetlands, which are within the Weminuche Wilderness Area.

COSJPI01	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
OW	Agriculture				
	Aq Life Cold 1	Temperature °C	CS-I CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)
		D.O. (spawning)	---	7.0	Beryllium
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)
		E. Coli (per 100 mL)	---	126	Chromium III
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron
		Boron	---	0.75	Iron(T)
		Chloride	---	250	Lead
		Chlorine	0.019	0.011	Lead(T)
		Cyanide	0.005	---	Manganese
		Nitrate	10	---	Mercury
		Nitrite	0.05	---	Molybdenum(T)
		Phosphorus	---	0.11	Nickel
		Sulfate	---	WS	Nickel(T)
		Sulfide	---	0.002	Selenium
				Silver	TVS
				Uranium	TVS(tr)
				Zinc	TVS
					TVS

2a. East Fork Piedra River and Middle Fork Piedra River, including all tributaries and wetlands, from the boundary of the Weminuche Wilderness Area to the confluence with the mainstem of the Piedra River, except for the specific listing in Segment 3.

COSJPI02A	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Reviewable	Agriculture				
	Aq Life Cold 1	Temperature °C	CS-I CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:	Recreation N	D.O. (mg/L)	---	6.0	Arsenic(T)
	Water Supply	D.O. (spawning)	---	7.0	Beryllium
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)
		E. Coli (per 100 mL)	4/1 - 10/31	---	126
		E. Coli (per 100 mL)	11/1 - 3/31	---	630
		Inorganic (mg/L)		Chromium III	---
		acute	chronic	Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI
		Boron	---	0.75	TVS
		Chloride	---	250	TVS
		Chlorine	0.019	0.011	Copper
		Cyanide	0.005	---	TVS
		Nitrate	10	---	Iron
		Nitrite	0.05	---	Iron(T)
		Phosphorus	---	0.11	Lead
		Sulfate	---	WS	Lead(T)
		Sulfide	---	0.002	50
				Manganese	TVS
				Mercury	TVS/WS
				Molybdenum(T)	---
				Nickel	0.01(t)
				Nickel(T)	---
				Selenium	TVS
				Silver	TVS(tr)
				Uranium	---
				Zinc	TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

2b. Mainstem of the Piedra River from the confluence with the East and Middle Forks to the confluence with Indian Creek.									
COSJPI02B	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1		Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E	4/1 - 10/31	acute	chronic	Arsenic	340	---		
	Recreation N	11/1 - 3/31	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	Water Supply		D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:			pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Other:			chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---	
			E. Coli (per 100 mL)	4/1 - 10/31	---	126	Chromium III	---	TVS
			E. Coli (per 100 mL)	11/1 - 3/31	---	630	Chromium III(T)	50	---
			Inorganic (mg/L)			Chromium VI	TVS	TVS	
			acute	chronic	Copper	TVS	TVS		
			Ammonia	TVS	TVS	Iron	---	WS	
			Boron	---	0.75	Iron(T)	---	1000	
			Chloride	---	250	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.11	Nickel	TVS	TVS	
			Sulfate	---	WS	Nickel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS(tr)	
						Uranium	---	---	
						Zinc	TVS	TVS(sc)	
3. Mainstem of the East Fork of the Piedra River from the Piedra Falls Ditch to the confluence with Pagosa Creek.									
COSJPI03	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E	4/1 - 10/31	acute	chronic	Arsenic	340	---		
	Recreation N	11/1 - 3/31	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	Water Supply		D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:			pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Other:			chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---	
			E. Coli (per 100 mL)	4/1 - 10/31	---	126	Chromium III	---	TVS
			E. Coli (per 100 mL)	11/1 - 3/31	---	630	Chromium III(T)	50	---
			Inorganic (mg/L)			Chromium VI	TVS	TVS	
			acute	chronic	Copper	TVS	TVS		
			Ammonia	TVS	TVS	Iron	---	WS	
			Boron	---	0.75	Iron(T)	---	1000	
			Chloride	---	250	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.11	Nickel	TVS	TVS	
			Sulfate	---	WS	Nickel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS(tr)	
						Uranium	---	---	
						Zinc	TVS	TVS(sc)	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

4a. Mainstem of the Piedra River from a point immediately below the confluence with Indian Creek to the Southern Ute Indian Reservation boundary. Devil Creek from Dunagan Canyon to the confluence with the Piedra River.

COSJPI04A	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture	DM		MWAT		acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 10/31	varies*	varies* °C	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other:		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)		---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		0.05	---	Nickel(T)	---	100
		Phosphorus		---	0.11	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS(tr)
		Sulfide		---	0.002	Uranium	---	---
						Zinc	TVS	TVS(sc)

4b. Mainstem of the Piedra River from the Southern Ute Indian Reservation boundary to a point above the confluence with Stollsteimer Creek.

COSJPI04B	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture	DM		MWAT		acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 10/31	28.8*	22.8* °C	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other:		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)		---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		0.05	---	Nickel(T)	---	100
		Phosphorus		---	---	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS(tr)
		Sulfide		---	0.002	Uranium	---	---
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

4c. Mainstem of the Piedra River from a point above the confluence with Stollsteimer Creek to Navajo Reservoir.										
COSJPI04C	Classifications			Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM		MWAT		acute		chronic
Reviewable	Aq Life Cold 1			Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E			Temperature °C	4/1 - 10/31	28.8*	22.8* °C	Arsenic	340	---
	Water Supply							Arsenic(T)	---	0.02
Qualifiers:				acute		chronic		Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.				D.O. (mg/L)		---	6.0	Cadmium	TVS(†)	TVS
				D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
				pH		6.5 - 9.0	---	Chromium III	---	TVS
				chlorophyll a (mg/m²)		---	---	Chromium III(T)	50	---
				E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
								Copper	TVS	TVS
				Inorganic (mg/L)				Iron	---	WS
				acute		chronic		Iron(T)	---	1000
				Ammonia		TVS	TVS	Lead	TVS	TVS
				Boron		---	0.75	Lead(T)	50	---
				Chloride		---	250	Manganese	TVS	TVS/WS
				Chlorine		0.019	0.011	Mercury	---	0.01(t)
				Cyanide		0.005	---	Molybdenum(T)	---	150
				Nitrate		10	---	Nickel	TVS	TVS
				Nitrite		0.05	---	Nickel(T)	---	100
				Phosphorus		---	---	Selenium	TVS	TVS
				Sulfate		---	WS	Silver	TVS	TVS(tr)
				Sulfide		---	0.002	Uranium	---	---
										Zinc
5a. All tributaries to the Piedra River, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with the First Fork of the Piedra River. Devil Creek, including all tributaries, from the source to a point below the confluence with Dunagan Canyon.										
COSJPI05A	Classifications			Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM		MWAT		acute		chronic
Reviewable	Aq Life Cold 1			Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E	5/1 - 10/31		acute		chronic	Arsenic	340	---	
	Recreation N	11/1 - 4/30		D.O. (mg/L)		---	6.0	Arsenic(T)	---	0.02
	Water Supply			D.O. (spawning)		---	7.0	Beryllium	---	---
Qualifiers:				pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021				chlorophyll a (mg/m²)		---	150	Cadmium(T)	5.0	---
				E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III	---	TVS
				E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	50	---
				Inorganic (mg/L)				Chromium VI	TVS	TVS
				acute		chronic		Copper	TVS	TVS
				Ammonia		TVS	TVS	Iron	---	WS
				Boron		---	0.75	Iron(T)	---	1000
				Chloride		---	250	Lead	TVS	TVS
				Chlorine		0.019	0.011	Lead(T)	50	---
				Cyanide		0.005	---	Manganese	TVS	TVS/WS
				Nitrate		10	---	Mercury	---	0.01(t)
				Nitrite		0.05	---	Molybdenum(T)	---	150
				Phosphorus		---	0.11	Nickel	TVS	TVS
				Sulfate		---	WS	Nickel(T)	---	100
				Sulfide		---	0.002	Selenium	TVS	TVS
								Silver	TVS	TVS(tr)
								Uranium	---	---
								Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

5b. All tributaries to the Piedra River, from a point immediately below the confluence with the First Fork of the Piedra River to a point immediately below the confluence with Devil Creek, except for the specific listings in Segment 5a.

COSJPI05B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/2021				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	0.05	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

6a. All tributaries to the Piedra River, including all wetlands, from a point immediately below the confluence with Devil Creek to Southern Ute Indian Reservation boundary, except the specific listing in Segment 6d.

COSJPI06A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	Aluminum	---
	Recreation P	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	Cadmium	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5).		E. Coli (per 100 mL)	---	Cadmium(T)	5.0
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).				Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	100	Mercury	---
		Nitrite	0.5	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

6b. All tributaries including wetlands to the Piedra River from the Southern Ute Indian Reservation boundary to Navajo Reservoir, except for the specific listing in Segment 6c.								
COSJPI06B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---		
	Recreation P	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---		
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---		
Other:		chlorophyll a (mg/m²)	---	150	Cadmium	TVS		
*Southern Ute Indian Reservation		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0		
		Inorganic (mg/L)			Chromium III	---		
		acute	chronic	Chromium III(T)	50	---		
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS	
		Boron	---	0.25	Copper	TVS	TVS	
		Chloride	---	250	Iron	---	WS	
		Chlorine	0.019	0.011	Iron(T)	---	1000	
		Cyanide	0.005	---	Lead	TVS	TVS	
		Nitrate	10	---	Lead(T)	50	---	
		Nitrite	0.5	---	Manganese	TVS	TVS/WS	
		Phosphorus	---	0.17	Mercury	---	0.01(t)	
		Sulfate	---	WS	Molybdenum(T)	---	150	
		Sulfide	---	0.002	Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	
		6c. Stollsteimer Creek, including all tributaries, from the Southern Ute Indian Reservation boundary to the confluence with the Piedra River.						
		COSJPI06C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---		
	Recreation P	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---		
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---		
Other:		chlorophyll a (mg/m²)	---	150	Cadmium	TVS		
*Southern Ute Indian Reservation		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0		
		Inorganic (mg/L)			Chromium III	---		
		acute	chronic	Chromium III(T)	50	---		
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS	
		Boron	---	0.25	Copper	TVS	TVS	
		Chloride	---	250	Iron	---	WS	
		Chlorine	0.019	0.011	Iron(T)	---	1000	
		Cyanide	0.005	---	Lead	TVS	TVS	
		Nitrate	10	---	Lead(T)	50	---	
		Nitrite	0.5	---	Manganese	TVS	TVS/WS	
		Phosphorus	---	0.17	Mercury	---	0.01(t)	
		Sulfate	---	WS	Molybdenum(T)	---	150	
		Sulfide	---	0.002	Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

6d. Steven's draw from the outlet of Lake Forest Reservoir to the confluence with Martinez Creek.

COSJPI06D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation P	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	205	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	0.5	---	Selenium	TVS	TVS
		Phosphorus	---	0.17*	Silver	TVS	TVS
		Sulfate	---	---	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

7. Hatcher Reservoir, Stevens Reservoir, Sullenbuger Reservoir, Village Lake and Forest Lake.

COSJPI07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E 2/2 - 11/30	acute	chronic		Arsenic	340	---
	Recreation N 12/1 - 3/1	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	Water Supply	pH	6.5 - 9.0	---	Beryllium	---	---
	DUWS*	chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
Qualifiers:		E. Coli (per 100 mL)	3/2 - 11/30	---	126	Cadmium(T)	5.0
Other:		E. Coli (per 100 mL)	12/1 - 3/1	---	630	Chromium III	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Classification: DUWS applies to Hatcher and Stevens Reservoirs only.					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.25	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

8. Williams Creek Reservoir.											
COSJPI08	Classifications		Physical and Biological			Metals (ug/L)					
Designation	Agriculture			DM	MWAT		acute	chronic			
Reviewable	Aq Life Cold 1		Temperature °C	CLL	CLL	Aluminum	---	---			
	Recreation E	5/1 - 10/31		acute	chronic	Arsenic	340	---			
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02			
	Water Supply		D.O. (spawning)	---	7.0	Beryllium	---	---			
Qualifiers:			pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS			
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.			chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---			
			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III	---	TVS		
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	50	---		
			Inorganic (mg/L)					Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS			
			Ammonia	TVS	TVS	Iron	---	WS			
			Boron	---	0.75	Iron(T)	---	1000			
			Chloride	---	250	Lead	TVS	TVS			
			Chlorine	0.019	0.011	Lead(T)	50	---			
			Cyanide	0.005	---	Manganese	TVS	TVS/WS			
			Nitrate	10	---	Mercury	---	0.01(t)			
			Nitrite	0.05	---	Molybdenum(T)	---	150			
			Phosphorus	---	0.025*	Nickel	TVS	TVS			
			Sulfate	---	WS	Nickel(T)	---	100			
			Sulfide	---	0.002	Selenium	TVS	TVS			
						Silver	TVS	TVS(tr)			
						Uranium	---	---			
						Zinc	TVS	TVS			
			9. All lakes and reservoirs tributary to the Piedra River which are within the Weminuche Wilderness Area. This segment includes Window Lake, Monument Lake, Hossick Lake, and Williams Lakes.								
			COSJPI09	Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture			DM	MWAT		acute	chronic			
OW	Aq Life Cold 1		Temperature °C	CL	CL	Aluminum	---	---			
	Recreation E			acute	chronic	Arsenic	340	---			
	Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02			
Qualifiers:			D.O. (spawning)	---	7.0	Beryllium	---	---			
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.			pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS			
			chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---			
			E. Coli (per 100 mL)	---	126	Chromium III	---	TVS			
			Inorganic (mg/L)					Chromium III(T)	50	---	
				acute	chronic	Chromium VI	TVS	TVS			
			Ammonia	TVS	TVS	Copper	TVS	TVS			
			Boron	---	0.75	Iron	---	WS			
			Chloride	---	250	Iron(T)	---	1000			
			Chlorine	0.019	0.011	Lead	TVS	TVS			
			Cyanide	0.005	---	Lead(T)	50	---			
			Nitrate	10	---	Manganese	TVS	TVS/WS			
			Nitrite	0.05	---	Mercury	---	0.01(t)			
			Phosphorus	---	0.025*	Molybdenum(T)	---	150			
			Sulfate	---	WS	Nickel	TVS	TVS			
			Sulfide	---	0.002	Nickel(T)	---	100			
						Selenium	TVS	TVS			
						Silver	TVS	TVS(tr)			
						Uranium	---	---			
						Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

10. All lakes and reservoirs which are tributary to the Piedra River, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Devil Creek, except the specific listing in Segment 8. This segment includes Palisade Lake, Martin Lake, and O'Connell Lake.						
COSJPI10	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	---	---	Aluminum
	Recreation E 5/1 - 10/31	acute	chronic	340	---	Arsenic
	Recreation N 11/1 - 4/30	---	6.0	---	0.02	Arsenic(T)
	Water Supply	---	7.0	---	---	Beryllium
Qualifiers:		pH 6.5 - 9.0	---	Cadmium TVS(tr)	TVS	
Other:		chlorophyll a (ug/L) ---	8*	Cadmium(T) 5.0	---	
	E. Coli (per 100 mL) 5/1 - 10/31	---	126	Chromium III	---	TVS
	E. Coli (per 100 mL) 11/1 - 4/30	---	630	Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
	Ammonia	TVS	TVS	Iron	---	WS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	250	Lead	TVS	TVS
	Chlorine	0.019	0.011	Lead(T)	50	---
	Cyanide	0.005	---	Manganese	TVS	TVS/WS
	Nitrate	10	---	Mercury	---	0.01(t)
	Nitrite	0.05	---	Molybdenum(T)	---	150
	Phosphorus	---	0.025*	Nickel	TVS	TVS
	Sulfate	---	WS	Nickel(T)	---	100
	Sulfide	---	0.002	Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	---	---
				Zinc	TVS	TVS
11a. All lakes and reservoirs which are tributary to the Piedra River, from a point immediately below the confluence with Devil Creek to the Southern Ute Indian Reservation boundary. This segment includes Capote Lake.						
COSJPI11A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	WL	WL	---	---	Aluminum
	Recreation E	acute	chronic	340	---	Arsenic
	Water Supply	---	5.0	---	0.02	Arsenic(T)
Qualifiers:		pH 6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (ug/L) ---	20*	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL) ---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
	Boron	---	0.75	Copper	TVS	TVS
	Chloride	---	250	Iron	---	WS
	Chlorine	0.019	0.011	Iron(T)	---	1000
	Cyanide	0.005	---	Lead	TVS	TVS
	Nitrate	10	---	Lead(T)	50	---
	Nitrite	0.5	---	Manganese	TVS	TVS/WS
	Phosphorus	---	0.083*	Mercury	---	0.01(t)
	Sulfate	---	WS	Molybdenum(T)	---	150
	Sulfide	---	0.002	Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	---	---
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Piedra River Basin

11b. All lakes and reservoirs which are tributary to the Piedra River from the Southern Ute Indian Reservation boundary to Navajo Reservoir.

COSJPI11B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---	
	Recreation P		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A	
		pH	6.5 - 9.0	---	Beryllium	---	---	
Qualifiers:		chlorophyll a (ug/L)		---	20*	Cadmium	TVS	TVS
Other: *Southern Ute Indian Reservation *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)		---	205	Cadmium(T)	5.0	---
		Inorganic (mg/L)				Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS	
		Boron	---	0.25	Copper	TVS	TVS	
		Chloride	---	250	Iron	---	WS	
		Chlorine	0.019	0.011	Iron(T)	---	1000	
		Cyanide	0.005	---	Lead	TVS	TVS	
		Nitrate	10	---	Lead(T)	50	---	
		Nitrite	0.5	---	Manganese	TVS	TVS/WS	
		Phosphorus	---	0.083*	Mercury	---	0.01(t)	
		Sulfate	---	WS	Molybdenum(T)	---	150	
		Sulfide	---	0.002	Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

1. All tributaries to the Los Pinos River, including all wetlands, which are within the Weminuche Wilderness Area.						
COSJPN01	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		---	Chromium III(T)	50
				---	Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
2a. Mainstem of the Los Pinos River from the boundary of the Weminuche Wilderness Area to the boundary of the Southern Ute Indian Reservation except for the specific listing in Segment 3.						
COSJPN02A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		---	Chromium III(T)	50
				---	Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(sc)
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

2b. Mainstem of the Los Pinos River from the boundary of the Southern Ute Indian Reservation to the Pine Ditch Diversion (37.1906, -107.58778).							
COSJPN02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	
Expiration Date of 12/31/2021					Chromium III(T)	50	
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

2c. Mainstem of the Los Pinos River from the Pine Ditch Diversion (37.1906, -107.58778) to above the confluence with Dry Creek. Mainstem of Beaver Creek from the boundaries of the Southern Ute Indian Reservation to their confluences with the Los Pinos River.							
COSJPN02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	
Expiration Date of 12/31/2021					Chromium III(T)	50	
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

2d. Mainstem of the Los Pinos River from above the confluence with Dry Creek to New Mexico state line. Mainstems of Dry Creek, Ute Creek, Spring Creek and Rock Creek from the boundaries of the Southern Ute Indian Reservation to their confluences with the Los Pinos River.

COSJPN02D	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
*Southern Ute Indian Reservation		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	0.75	Iron(T)	1000
		Chloride	250	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	0.01(t)
		Nitrite	0.05	Molybdenum(T)	150
		Phosphorus	---	Nickel	TVS
		Sulfate	WS	Nickel(T)	100
		Sulfide	0.002	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

3. Vallecito Reservoir.

COSJPN03	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	0.75	Iron(T)	1000
		Chloride	250	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	0.01(t)
		Nitrite	0.05	Molybdenum(T)	150
		Phosphorus	---	Nickel	TVS
		Sulfate	WS	Nickel(T)	100
		Sulfide	0.002	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

4. All tributaries to the Los Pinos River and Vallecito Reservoir, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Bear Creek , except for the specific listing in Segment 5; mainstems of Beaver Creek, Ute Creek, and Spring Creek from their sources to the boundary of the Southern Ute Indian Reservation.

COSJPN04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

5. Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.

COSJPN05	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E	acute	chronic	Arsenic	340	---	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	---	TVS
					Chromium III(T)	50	---	---
		Inorganic (mg/L)			Chromium VI	TVS	---	TVS
					Copper	TVS	---	TVS
					Iron	---	---	WS
					Iron(T)	---	---	1000
					Lead	TVS	---	TVS
					Lead(T)	50	---	---
					Manganese	TVS	---	TVS/WS
					Mercury	---	---	0.01(t)
					Molybdenum(T)	---	---	150
					Nickel	TVS	---	TVS
					Nickel(T)	---	---	100
					Selenium	TVS	---	TVS
					Silver	TVS	---	TVS(tr)
					Uranium	---	---	---
					Zinc	TVS	---	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr=trout

sc=sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

6. All tributaries to the Los Pinos River, including all wetlands, from a point immediately below the confluence with Bear Creek to the boundary of the Southern Ute Indian Reservation except for specific listings in Segment 4.

COSJPN06	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:	Fish Ingestion	D.O. (spawning)	7.0	Beryllium	---
		pH	6.5 - 9.0	Beryllium(T)	100
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021	chlorophyll a (mg/m ²)	150	Cadmium	TVS
		E. Coli (per 100 mL)	126	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	TVS
				Chromium III(T)	100
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	WS
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	---	Mercury	0.01(t)
		Phosphorus	0.11	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

7a. All tributaries to the Los Pinos River from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border, except for the specific listing in Segments 2b, 2c and 2d.

COSJPN07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Beryllium(T)	---	100
		chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
					Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	---	---	Mercury	---	0.01(t)
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

7b. Trail Canyon, including all tributaries, from their source to the New Mexico border.

COSJPN07B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100	
Other: *Southern Ute Indian Reservation		D.O. (spawning)	---	7.0	Beryllium	---	---	
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100	
					Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury	---	0.01(t)	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.05	---	Silver	TVS	TVS	
		Phosphorus	---	0.17	Uranium	---	---	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				

8. All lakes and reservoirs tributary to the Los Pinos River which are within the Weminuche Wilderness Area, except for the specific listing in Segment 9. This includes Granite Lake, Divide Lakes, Elk Lake, Flint Lakes, Moon Lake, Rock Lake, Betty Lake, Lost Lake, Hidden Lake, Vallecito Lake, Eldorado Lake, Trinity Lake, Leviathan Lake, Sunlight Lake, Hazel Lake, and Columbine Lake.

COSJPN08	Classifications	Physical and Biological		Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute		chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)		
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
				Chromium III(T)	50	---		
		Inorganic (mg/L)		Chromium VI	TVS	TVS		
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Los Pinos River Basin

9. Emerald Lake.								
COSJPN09	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
OW	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)		
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	
		10. All lakes and reservoirs tributary to the Los Pinos River and Vallecito Reservoir from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Bear Creek (T35N, R7W), except for the specific listing in Segment 3. This segment includes Lake Simpatico.						
COSJPN10	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)		
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

11a. All lakes and reservoirs tributary to the Los Pinos River, from a point immediately below the confluence with Bear Creek (T35N, R7W) to the boundary of the Southern Ute Indian Reservation.

COSJPN11A	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:	D.O. (spawning)	---	7.0	Beryllium	---	---	
	pH	6.5 - 9.0	---	Beryllium(T)	---	100	
	chlorophyll a (ug/L)	---	8*	Cadmium	TVS	TVS	
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS	
				Chromium III(T)	---	100	
	Inorganic (mg/L)			Chromium VI	TVS	TVS	
				Copper	TVS	TVS	
	Ammonia	TVS	TVS	Iron(T)	---	1000	
	Boron	---	0.75	Lead	TVS	TVS	
	Chloride	---	---	Manganese	TVS	TVS	
	Chlorine	0.019	0.011	Mercury	---	0.01(t)	
	Cyanide	0.005	---	Molybdenum(T)	---	150	
	Nitrate	100	---	Nickel	TVS	TVS	
	Nitrite	0.05	---	Selenium	TVS	TVS	
	Phosphorus	---	0.025*	Silver	TVS	TVS	
	Sulfate	---	---	Uranium	---	---	
	Sulfide	---	0.002	Zinc	TVS	TVS	

11b. All lakes and reservoirs tributary to the Los Pinos River, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border. This segment includes Harper Pond.

COSJPN11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other: *Southern Ute Indian Reservation *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Beryllium(T)	---	100
		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
					Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Selenium	TVS	TVS
		Phosphorus	---	0.083*	Silver	TVS	TVS
		Sulfate	---	---	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

1. All tributaries to the Animas River and Florida River, including all wetlands, which are within the Weminuche Wilderness Area.

COSJAF01	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

2. Mainstem of the Animas River, including all tributaries and wetlands, from the outlet of Denver Lake to a point immediately above the confluence with Minnie Gulch, except for specific listings in Segment 6.

COSJAF02	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Recreation E			Aluminum	---	---
Qualifiers:		acute	chronic	Arsenic(T)	---	100
Other:		D.O. (mg/L)	---	3.0	Beryllium(T)	---
		pH	5.8-9.0	---	Cadmium(T)	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	---
		Inorganic (mg/L)		Copper(T)	---	200
		acute	chronic	Iron	---	---
		Ammonia	---	---	Lead(T)	---
		Boron	---	0.75	Manganese	---
		Chloride	---	---	Mercury	---
		Chlorine	---	---	Molybdenum(T)	---
		Cyanide	0.2	---	Nickel(T)	---
		Nitrate	---	100	Selenium(T)	---
		Nitrite	10	---	Silver	---
		Phosphorus	---	---	Uranium	---
		Sulfate	---	---	Zinc(T)	---
		Sulfide	---	---		2000

*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving standards established for segments 3a, 4a and 4b.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

3a. Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with Minnie Gulch to immediately above the confluence with Cement Creek.									
COSJAF03A		Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture			DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1*			Temperature °C	CS-I	CS-I	Aluminum(T)	750	750
	Recreation E			acute	chronic		Arsenic	340	---
Qualifiers:				D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:				D.O. (spawning)	---	7.0	Beryllium	---	---
*Classification: Aquatic life indicator goal: Brook Trout *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = 3.5 ug/L from 4/1-4/30 2.2 ug/L from 5/1-5/31 e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))TVS from 6/1-3/31 *Manganese(chronic) = Standards are listed on Table 1. *Zinc(acute) = Standards are listed on Table 1. *Zinc(chronic) = Standards are listed on Table 1.				pH	6.5 - 9.0	---	Cadmium	---	varies*
				chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS	---
				E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
							Chromium III(T)	---	100
				Inorganic (mg/L)			Chromium VI	TVS	TVS
							Copper	TVS	TVS
				Ammonia	TVS	TVS	Iron(T)	---	1000
				Boron	---	0.75	Lead	TVS	TVS
				Chloride	---	---	Manganese	---	varies*
				Chlorine	0.019	0.011	Mercury	---	0.01(t)
				Cyanide	0.005	---	Molybdenum(T)	---	150
				Nitrate	100	---	Nickel	TVS	TVS
				Nitrite	---	---	Selenium	TVS	TVS
				Phosphorus	---	0.11	Silver	TVS	TVS(tr)
				Sulfate	---	---	Uranium	---	---
				Sulfide	---	0.002	Zinc	varies*	varies*

3b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Cement Creek to a point immediately above the confluence with Mineral Creek.										
COSJAF03B		Classifications		Physical and Biological			Metals (ug/L)			
Designation	Recreation E	5/15 - 9/10			DM	MWAT		acute	chronic	
UP	Recreation N	9/11 - 5/14					Aluminum	---	---	
Qualifiers:					acute	chronic	Arsenic	---	---	
Other:				D.O. (mg/L)	---	3.0	Beryllium	---	---	
Temporary Modification(s): Copper(ac/ch) = current condition Expiration Date of 12/31/2022 *The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b. *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5).				pH	6.0-9.0	---	Cadmium	---	---	
				chlorophyll a (mg/m²)	---	150*	Chromium III	---	---	
				E. Coli (per 100 mL)	5/15 - 9/10	---	126	Chromium VI	---	---
				E. Coli (per 100 mL)	9/11 - 5/14	---	630	Copper	---	---
							Iron	---	---	
				Inorganic (mg/L)			Lead	---	---	
							Manganese	---	---	
				Ammonia	---	---	Mercury	---	---	
				Boron	---	---	Molybdenum(T)	---	---	
				Chloride	---	---	Nickel	---	---	
				Chlorine	---	---	Selenium	---	---	
				Cyanide	---	---	Silver	---	---	
				Nitrate	---	---	Uranium	---	---	
				Nitrite	---	---	Zinc	---	---	
				Phosphorus	---	---				
				Sulfate	---	---				
				Sulfide	---	---				

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

3c. Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.						
COSJAF03C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS(tr)
		Phosphorus	---	0.11	Uranium	---
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

4a. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.

COSJAF04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 2*	Temperature °C	CS-I	CS-I	Aluminum	varies*
	Recreation E	acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	varies*	---	Cadmium	SSE*TVS
		chlorophyll a (mg/m ²)	---	---	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron	varies*
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	---	---	Silver	TVS(tr)
		Phosphorus	---	---	Uranium	---
		Sulfate	---	---	Zinc	varies*
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

4b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge (37.458620, -107.799194).						
COSJAF04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	CS-I	CS-I	Aluminum(T)	TVS	TVS
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---	---
Other:		pH	6.5 - 9.0	Cadmium	---	SSE*TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium	SSE*TVS	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Cadmium(T)	5.0	---
Expiration Date of 12/31/2021				Chromium III	---	TVS
		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	Copper	TVS	TVS
		Boron	---	Iron	---	WS
		Chloride	---	Iron(T)	---	1000
		Chlorine	0.019	Lead	TVS	TVS
		Cyanide	0.005	Lead(T)	50	---
		Nitrate	10	Manganese	TVS	TVS/WS
		Nitrite	0.05	Mercury	---	0.01(t)
		Phosphorus	---	Molybdenum(T)	---	150
		Sulfate	---	Nickel	TVS	TVS
		Sulfide	---	Nickel(T)	---	100
			0.002	Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	---	---
				Zinc	TVS	TVS

5a. Mainstem of the Animas River, including wetlands, from Bakers Bridge (37.458620, -107.799194) to the Southern Ute Indian Reservation boundary.						
COSJAF05A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	CS-II	CS-II	Aluminum	TVS	TVS
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---	TVS
Expiration Date of 12/31/2021				Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	Iron	---	WS
		Boron	---	Iron(T)	---	1000
		Chloride	---	Lead	TVS	TVS
		Chlorine	0.019	Lead(T)	50	---
		Cyanide	0.005	Manganese	TVS	TVS/WS
		Nitrate	10	Mercury	---	0.01(t)
		Nitrite	0.05	Molybdenum(T)	---	150
		Phosphorus	---	Nickel	TVS	TVS
		Sulfate	---	Nickel(T)	---	100
		Sulfide	---	Selenium	TVS	TVS
			0.002	Silver	TVS	TVS(tr)
				Uranium	---	---
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

5b. Mainstem of the Animas River, including wetlands, from the Southern Ute Indian Reservation boundary (37.214880 -107.855102) to Basin Creek.							
COSJAF05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS	TVS
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
5c. Mainstem of the Animas River, including wetlands, from Basin Creek to above the confluence with the Florida River.							
COSJAF05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS	TVS
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

5c. Mainstem of the Animas River, including wetlands, from Basin Creek to above the confluence with the Florida River.							
COSJAF05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS	TVS
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

5d. Mainstem of the Animas River, including wetlands from above the confluence with the Florida River to New Mexico state line.							
COSJAF05D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM	MWAT	acute		chronic	
Reviewable		Temperature °C	CS-II	CS-II	Aluminum	TVS	TVS
		acute	chronic	Arsenic	340	---	
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Southern Ute Indian Reservation		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
Sulfide	---	0.002	Selenium	TVS	TVS		
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

6. Mainstem of the Animas River from the source to the outlet of Denver Lake. Mainstem, including all tributaries and wetlands of Cinnamon Creek, Grouse Gulch, Picayne Gulch, and Minnie Gulch. All tributaries and wetlands to the Animas River from immediately above Maggie Gulch to a point immediately above Elk Creek except for those listed under segments 3c, 7, 8 and 9. South Mineral Creek and all other tributaries and wetlands to Mineral Creek, except for those specifically listed in segments 8 and 9.						
COSJAF06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE*TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/2021					Chromium III	---
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Inorganic (mg/L)			Chromium III(T)	50
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

7. Mainstem of Cement Creek, including all tributaries, and wetlands, from the source to the confluence with the Animas River.					
COSJAF07	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Recreation E			Aluminum	---
Qualifiers:		acute	chronic	Arsenic(T)	---
Other:				Beryllium(T)	100
*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.	D.O. (mg/L)	---	3.0	Cadmium(T)	---
	pH	3.7-9.0	---	Chromium III(T)	10
	chlorophyll a (mg/m ²)	---	150	Chromium VI(T)	---
	E. Coli (per 100 mL)	---	126	Copper(T)	100
	Inorganic (mg/L)			Iron	---
		acute	chronic	Lead(T)	---
	Ammonia	---	---	Manganese	100
	Boron	---	0.75	Mercury	---
	Chloride	---	---	Molybdenum(T)	---
	Chlorine	---	---	Nickel(T)	150
	Cyanide	0.2	---	Selenium(T)	---
	Nitrate	100	---	Silver	200
	Nitrite	10	---	Uranium	---
	Phosphorus	---	---	Zinc(T)	---
	Sulfate	---	---		2000
	Sulfide	---	---		
8. Mainstem of Mineral Creek, including wetlands, from the source to a point immediately above the confluence with South Mineral Creek. All tributaries on the east side of this segment of Mineral Creek including wetlands, except for Big Horn Creek. Mainstem of the Middle Fork of Mineral Creek including all tributaries and wetlands from the source to the confluence with Mineral Creek except for Crystal Lake and its exiting tributary to confluence with Middle Fork of Mineral Creek.					
COSJAF08	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Recreation E			Aluminum	---
Qualifiers:		acute	chronic	Arsenic(T)	---
Other:				Beryllium(T)	100
*The concentration of dissolved aluminum, cadmium, copper, iron, lead, manganese, and zinc that is directed toward maintaining and achieving water quality standards established for segments 4a and 4b.	D.O. (mg/L)	---	3.0	Cadmium(T)	---
	pH	4.5-9.0	---	Chromium III(T)	10
	chlorophyll a (mg/m ²)	---	150	Chromium VI(T)	---
	E. Coli (per 100 mL)	---	126	Copper(T)	100
	Inorganic (mg/L)			Iron	---
		acute	chronic	Lead(T)	---
	Ammonia	---	---	Manganese	100
	Boron	---	0.75	Mercury	---
	Chloride	---	---	Molybdenum(T)	---
	Chlorine	---	---	Nickel(T)	150
	Cyanide	0.2	---	Selenium(T)	---
	Nitrate	100	---	Silver	200
	Nitrite	10	---	Uranium	---
	Phosphorus	---	---	Zinc(T)	---
	Sulfate	---	---		2000
	Sulfide	---	---		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

9. Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.							
COSJAF09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 2*	Temperature °C	CS-I CS-I	Aluminum	---	varies*	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	varies*	---	Cadmium	---	
<div>*Classification: Aquatic Life indicator goal: Macroinvertebrates; Brook Trout corridor</div> <div>*Aluminum(chronic) = Standards are listed on Table 1.</div> <div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div> <div>*Copper(chronic) = Standards are listed on Table 1.</div> <div>*Iron(chronic) = Standards are listed on Table 1.</div> <div>*Zinc(chronic) = Standards are listed on Table 1.</div> <div>*pH(acute) = Standards are listed on Table 1.</div>		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS	---
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
					Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	varies*
		Boron	---	0.75	Iron	---	varies*
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	varies*

10a. Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.							
COSJAF10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Aluminum	---	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	
<div>Temporary Modification(s):</div> <div>Arsenic(chronic) = hybrid</div> <div>Expiration Date of 12/31/2021</div>		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

10b. Mainstem of the Florida River from the outlet of Lemon Reservoir to the Florida Farmers Canal Headgate (37.295157, -107.791794).						
COSJAF10B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

11a. Mainstem of the Florida River from the Florida Farmers Canal Headgate (37.295157, -107.791794) to the Southern Ute Indian Reservation boundary (37.214724, -107.746734).						
COSJAF11A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

11b. Mainstem of the Florida River from the Southern Ute Indian Reservation boundary (37.214724, -107.746734) to the confluence with the Animas River.						
COSJAF11B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

11c. All tributaries to the Florida River from the Southern Ute Indian Reservation boundary to the confluence with the Animas River.						
COSJAF11C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS
*Southern Ute Indian Reservation		acute	chronic		Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5).		Ammonia	TVS	TVS	Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

12a. All tributaries to the Animas River from a point immediately above the confluence with Elk Creek to a point immediately below the confluence with Hermosa Creek except for specific listings in Segments 12b, 12c and 15. All tributaries to the Florida River from the source to below the confluence with Mud Spring Creek, except the specific listing in Segment 1.

COSJAF12A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	126	Chromium III	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Chromium III(T)	50
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	---
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	---
		Phosphorus	0.11*	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

12b. Lemon Reservoir.

COSJAF12B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	---
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	---
		Phosphorus	0.025*	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

12c. Hermosa Creek, including all tributaries, from the source to immediately below the confluence with Long Hollow, except for the East Fork of Hermosa Creek.							
COSJAF12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		12d. Mainstem of Junction Creek, including all tributaries, from the source to the U.S. Forest Boundary. Mainstem of Falls Creek, including all tributaries, from the source to the confluence with the Animas River.					
COSJAF12D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

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13a. Mainstem of Junction Creek including all tributaries, from the U.S. Forest Boundary to the confluence with Animas River.						
COSJAF13A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021		Inorganic (mg/L)		---	Chromium III(T)	TVS
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	WS
		Chlorine	0.019	0.011	Lead	1000
		Cyanide	0.005	---	Lead(T)	TVS
		Nitrate	10	---	Lead(T)	TVS
		Nitrite	0.05	---	Manganese	50
		Phosphorus	---	0.11	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	0.01(t)
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	TVS
					Selenium	100
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---
						TVS

13b. All tributaries to the Animas River from a point immediately below the confluence with Hermosa Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 12d, 13a, 13c, 14a and 14b; all tributaries to the Florida River, from a point immediately below the confluence with Mud Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 13d.						
COSJAF13B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS(tr)
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		---	Chromium III	---
		acute	chronic	---	Chromium III(T)	TVS
		Ammonia	TVS	TVS	Chromium VI	---
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	TVS
		Chlorine	0.019	0.011	Iron(T)	WS
		Cyanide	0.005	---	Lead	1000
		Nitrate	10	---	Lead(T)	TVS
		Nitrite	0.05	---	Lead(T)	TVS
		Phosphorus	---	0.11	Manganese	50
		Sulfate	---	WS	Mercury	---
		Sulfide	---	0.002	Molybdenum(T)	0.01(t)
					Nickel	TVS
					Nickel(T)	TVS
					Selenium	100
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

13c. Mainstem of the unnamed tributary to Coal Gulch which crosses Highway 160 at (37.267877, -107.961598) from the source to the confluence with Coal Gulch.							
COSJAF13C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Fish Ingestion		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	
Discharger Specific Variance(s): Ammonia(ac/ch) = TVS:15 mg/L Expiration Date of 12/31/2024 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5). *Variance: Ammonia = see 34.6(4) for details.		chlorophyll a (mg/m²)	---	150*	Chromium III	---	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	
					Chromium VI	TVS	
		Inorganic (mg/L)			Copper	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	
		Boron	---	0.75	Manganese	TVS	
		Chloride	---	250	Mercury	---	
		Chlorine	0.019	0.011	Molybdenum(T)	---	
		Cyanide	0.005	---	Nickel	TVS	
		Nitrate	100	---	Selenium	TVS	
		Nitrite	0.05	---	Silver	TVS	
		Phosphorus	---	0.11*	Uranium	---	
		Sulfate	---	---	Zinc	TVS	
		Sulfide	---	0.002			
	13d. Brice Draw, including all tributaries, from its source to the Southern Ute Indian Reservation Boundary.						
	COSJAF13D	Classifications	Physical and Biological			Metals (ug/L)	
	Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Recreation E				Aluminum	---	
Qualifiers:		acute	chronic	Arsenic(T)	---	100	
Other:		D.O. (mg/L)	---	3.0	Beryllium(T)	---	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5).		pH	6.5 - 9.0	---	Cadmium(T)	---	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	---	
		E. Coli (per 100 mL)	---	126	Chromium VI(T)	---	
		Inorganic (mg/L)			Copper(T)	---	
		acute	chronic	Iron	---	---	
		Ammonia	---	---	Lead(T)	---	
		Boron	---	0.75	Manganese	---	
		Chloride	---	---	Mercury	---	
		Chlorine	---	---	Molybdenum(T)	---	
		Cyanide	0.2	---	Nickel(T)	---	
		Nitrate	100	---	Selenium(T)	---	
		Nitrite	10	---	Silver	---	
		Phosphorus	---	---	Uranium	---	
		Sulfate	---	---	Zinc(T)	---	
		Sulfide	---	---		2000	

13d. Brice Draw, including all tributaries, from its source to the Southern Ute Indian Reservation Boundary.						
COSJAF13D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture			DM	MWAT	
Reviewable	Recreation E					
Qualifiers:		acute		chronic		
Other:		D.O. (mg/L)	---	3.0		
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5).		pH	6.5 - 9.0	---		
		chlorophyll a (mg/m ²)	---	150*		
		E. Coli (per 100 mL)	---	126		
		Inorganic (mg/L)				
		acute		chronic		
		Ammonia	---	---		
		Boron	---	0.75		
		Chloride	---	---		
		Chlorine	---	---		
		Cyanide	0.2	---		
		Nitrate	100	---		
		Nitrite	10	---		
		Phosphorus	---	---		
		Sulfate	---	---		
		Sulfide	---	---		
				</		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

13e. All tributaries to the Animas River from the Southern Ute Indian Reservation boundary to below the confluence with Basin Creek.						
COSJAF13E	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021					Chromium VI	TVS
*Southern Ute Indian Reservation		Inorganic (mg/L)	acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

13f. All tributaries to the Animas River from below the confluence with Basin Creek to the Colorado/New Mexico border, except for Segments 11b and 11c.						
COSJAF13F	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021					Chromium VI	TVS
*Southern Ute Indian Reservation		Inorganic (mg/L)	acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

14a. Mainstem of Lightner Creek, including all tributaries, from the source to below the confluence with Deep Creek.						
COSJAF14A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

14b. Mainstem of Lightner Creek from below the confluence with Deep Creek to the confluence with the Animas River.						
COSJAF14B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

15. Mainstem of Purgatory Creek from the source to Cascade Creek; Goulding Creek from the source to Elbert Creek; and Nary Draw from the source to Haviland Lake.						
COSJAF15	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	150
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

16. All lakes and reservoirs tributary to the Animas River and Florida River which are within the Weminuche Wilderness Area. This segment includes Lillie Lake, Castilleja Lake, City Reservoir, Emerald Lake, Ruby Lake, Balsam Lake, Garfield Lake, Vestal Lake, Eldorado Lake, Highland Mary Lakes, Verde Lakes, Lost Lake, and Crater Lake.						
COSJAF16	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	150
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

17. All lakes tributary to Arrastra Gulch from the source to the confluence with the Animas River. This segment includes Silver Lake.

COSJAF17	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

18. All lakes and reservoirs tributary to Cinnamon Creek, Grouse Creek, Picayne Gulch, Minnie Gulch and Eureka Gulch. All lakes and reservoirs tributary to the Animas River from immediately above Maggie Gulch to Elk Park except for those listed under Segments 16, 17, 19, and 20. This segment includes Molas Lake, Bullion King Lake, Columbine Lake, Clear Lake, Island Lake, Ice Lake, Fuller Lake and Crystal Lake.

COSJAF18	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

19. All lakes and reservoirs tributary to Cement Creek from the source to the confluence with the Animas River.						
COSJAF19	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CL	CL	Aluminum	---
Qualifiers:		acute	chronic	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	---	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel	TVS
		Nitrite	0.05	---	Selenium	TVS
		Phosphorus	---	0.025*	Silver	TVS
		Sulfate	---	---	TVS(tr)	---
		Sulfide	---	0.002	Uranium	---
				Zinc	TVS	TVS

20. All lakes and reservoirs on the east side of Mineral Creek from the source to a point immediately above the confluence with South Mineral Creek. All lakes and reservoirs tributary to the Middle Fork of Mineral Creek from the source to the confluence with Mineral Creek except for the specific listings in Segment 18.

COSJAF20	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CL	CL	Aluminum	---
Qualifiers:		acute	chronic	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	---	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel	TVS
		Nitrite	0.05	---	Selenium	TVS
		Phosphorus	---	0.025*	Silver	TVS
		Sulfate	---	---	TVS(tr)	---
		Sulfide	---	0.002	Uranium	---
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

21. All lakes and reservoirs tributary to the Animas River from a point immediately above the confluence with Elk Creek to a point immediately below the confluence with Hermosa Creek except for the specific listing in Segment 12b. All lakes and reservoirs tributary to the Florida River from the source to the outlet of Lemon Reservoir, except the specific listing in Segment 16. This segment includes Little Molas Lake, Andrews Lake, Potato Lake, Scout Lake, Boyce Lake, Columbine Lake, Haviland Lake, Henderson Lake, Ruby Lake, Pear Lake, Webb Lake, Shalona Lake, Stratton Lake, and Wallace Lake.

COSJAF21	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
				Chromium III(T)	50	---	
		Inorganic (mg/L)		Chromium VI	TVS	TVS	
				Copper	TVS	TVS	
				Iron	---	WS	
				Iron(T)	---	1000	
				Lead	TVS	TVS	
				Lead(T)	50	---	
				Manganese	TVS	TVS/WS	
				Mercury	---	0.01(t)	
				Molybdenum(T)	---	150	
				Nickel	TVS	TVS	
				Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	---	---	
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

22. Electra Lake. Lake Nighthorse.						
COSJAF22	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

23. All lakes and reservoirs tributary to the Animas River from a point immediately below the confluence with Hermosa Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 13a and 14; all lakes and reservoirs tributary to the Florida River, from the outlet of Lemon Reservoir to the Southern Ute Indian Reservation boundary. This segment includes Chapman Lake and City Res No 1.

COSJAF23	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Water + Fish Standards		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to City Reservoir #1 and Lake Durango only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

24. All lakes and reservoirs tributary to the Animas River, from the Southern Ute Indian Reservation boundary to the Colorado/New Mexico border. This segment includes Pastorius Reservoir.						
COSJAF24	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
	Reviewable					
	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers: Water + Fish Standards		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other: *Southern Ute Indian Reservation *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
			Zinc	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

1. Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.									
COSJLP01	Classifications			Physical and Biological			Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1			Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E			acute	chronic	Arsenic	340	---	
	Water Supply			D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:				D.O. (spawning)	---	7.0	Beryllium	---	---
Other:				pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):				chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid				E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Expiration Date of 12/31/2021							Chromium III(T)	50	---
				Inorganic (mg/L)			Chromium VI	TVS	TVS
				acute	chronic	Copper	TVS	TVS	
				Ammonia	TVS	TVS	Iron	---	WS
				Boron	---	0.75	Iron(T)	---	1000
				Chloride	---	250	Lead	TVS	TVS
				Chlorine	0.019	0.011	Lead(T)	50	---
				Cyanide	0.005	---	Manganese	TVS	TVS/WS
				Nitrate	10	---	Mercury	---	0.01(t)
				Nitrite	0.05	---	Molybdenum(T)	---	150
				Phosphorus	---	0.11	Nickel	TVS	TVS
				Sulfate	---	WS	Nickel(T)	---	100
				Sulfide	---	0.002	Selenium	TVS	TVS
							Silver	TVS	TVS(tr)
							Uranium	---	---
							Zinc	TVS	TVS(sc)
2a. Mainstem of the La Plata River from the Hay Gulch diversion south of Hesperus to the boundary of Southern Ute Indian Reservation.									
COSJLP02A	Classifications			Physical and Biological			Metals (ug/L)		
Designation	Water Supply			DM	MWAT	acute		chronic	
Reviewable	Agriculture			Temperature °C	CS-II	CS-II	Aluminum	---	---
	Aq Life Cold 1			acute	chronic	Arsenic	340	---	
	Recreation E			D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	Recreation N			D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:				pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:				chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
				E. Coli (per 100 mL)	5/1 - 10/31	126	Chromium III	---	TVS
				E. Coli (per 100 mL)	11/1 - 4/30	630	Chromium III(T)	50	---
				Inorganic (mg/L)			Chromium VI	TVS	TVS
				acute	chronic	Copper	TVS	TVS	
				Ammonia	TVS	TVS	Iron	---	WS
				Boron	---	0.75	Iron(T)	---	1000
				Chloride	---	250	Lead	TVS	TVS
				Chlorine	0.019	0.011	Lead(T)	50	---
				Cyanide	0.005	---	Manganese	TVS	TVS/WS
				Nitrate	10	---	Mercury	---	0.01(t)
				Nitrite	0.05	---	Molybdenum(T)	---	150
				Phosphorus	---	0.11	Nickel	TVS	TVS
				Sulfate	---	WS	Nickel(T)	---	100
				Sulfide	---	0.002	Selenium	TVS	TVS
							Silver	TVS	TVS(tr)
							Uranium	---	---
							Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

2b. Mainstem of the La Plata River from the boundary of the Southern Ute Indian Reservation to above the confluence with Cherry Creek.						
COSJLP02B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---
	Recreation P	---	5.0	Arsenic(T)	---	0.02
	Water Supply	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	126	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	205	Chromium III	---	TVS
Other:				Chromium III(T)	50	---
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron	---	WS
Temporary Modification(s):				Iron(T)	---	1000
				Lead	TVS	TVS
				Lead(T)	50	---
				Manganese	TVS	TVS/WS
Expiration Date of 12/31/2021				Mercury	---	0.01(t)
				Molybdenum(T)	---	150
				Nickel	TVS	TVS
				Nickel(T)	---	100
*Southern Ute Indian Reservation				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	---	---
				Zinc	TVS	TVS

2c. Mainstem of the La Plata River from the confluence with Cherry Creek to above the confluence with Long Hollow.						
COSJLP02C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	---	5.0	Arsenic(T)	---	0.02
		---	5.0	Arsenic(T)	---	0.02
Qualifiers:		6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	126	Cadmium(T)	5.0	---
				Chromium III	---	TVS
Other:				Chromium III(T)	50	---
				Chromium VI	TVS	TVS
				Copper	TVS	TVS
				Iron	---	WS
Temporary Modification(s):				Iron(T)	---	1000
				Lead	TVS	TVS
				Lead(T)	50	---
				Manganese	TVS	TVS/WS
Expiration Date of 12/31/2021				Mercury	---	0.01(t)
				Molybdenum(T)	---	150
				Nickel	TVS	TVS
				Nickel(T)	---	100
*Southern Ute Indian Reservation				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	---	---
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

2d. Mainstem of the La Plata River from Long Hollow to the Colorado/New Mexico border.						
COSJLP02D	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	50	---
*Southern Ute Indian Reservation		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

3a. All tributaries to the La Plata River, including all wetlands, from the Hay Gulch diversions south of Hesperus to the Southern Ute Indian Reservation boundary, except for specific listing in Segment 3c, 3d and 3e.

COSJLP03A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation N	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	100
Other:		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	630	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.17	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

3b. All tributaries to the La Plata River, including all wetlands, from the boundary of the Southern Ute Indian Reservation to the Colorado/New Mexico border.						
COSJLP03B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation N	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	630	Cadmium(T)	5.0
Other:		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
*Southern Ute Indian Reservation		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
3c. Cherry Creek, including all tributaries and wetlands, from the source to the boundary of the Southern Ute Indian Reservation boundary.						
COSJLP03C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

3d. East Cherry Creek from the source to the confluence with Cherry Creek.						
COSJLP03D	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	1000
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	0.01(t)
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(sc)

3e. East Alkali Gulch from the source to the Southern Ute Indian Boundary. Hay Gulch, including all tributaries, from the source to the Southern Ute Indian Boundary.						
COSJLP03E	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation N	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	630	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	TVS	TVS
		acute	chronic	Chromium III(T)	---	100
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.11	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

4a. Mainstem of the Mancos River, including all wetlands and tributaries, from the source of the East, West and Middle Forks to the San Juan National Forest Boundary.						
COSJLP04A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	5/1 - 10/31	acute	chronic	Arsenic	340
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	6.0	Arsenic(T)
	Water Supply		D.O. (spawning)	---	7.0	Beryllium
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)
Expiration Date of 12/31/2021		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4b. Mancos Reservoir (Jackson Gulch Reservoir).						
COSJLP04B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium III	---
*Classification: DUWS applies to Jackson Gulch Reservoir only.		Inorganic (mg/L)		Chromium III(T)	50	---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.025*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

4c. Mainstem of the Mancos River, including all wetlands, tributaries, from below the San Juan National Forest Boundary to Hwy 160. Chicken Creek, including all tributaries, from its source to the confluence with the Mancos River.									
COSJLP04C	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Water Supply			DM	MWAT		acute	chronic	
Reviewable	Agriculture		Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Aq Life Cold 1			acute	chronic	Arsenic	340	---	
	Recreation E	5/1 - 10/31	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	Recreation N	11/1 - 4/30	D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:			pH	6.5 - 9.0	---	Cadmium	TVS(±)	TVS	
Other:			chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---	
			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III	---	TVS
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	50	---
			Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS	
			Ammonia	TVS	TVS	Iron	---	WS	
			Boron	---	0.75	Iron(T)	---	1000	
			Chloride	---	250	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.11	Nickel	TVS	TVS	
			Sulfate	---	WS	Nicel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS(tr)	
						Uranium	---	---	
						Zinc	TVS	TVS	

5. Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation and mainstem of Weber Canyon from source to boundary of the Ute Mountain Ute Indian Reservation.									
COSJLP05	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture			DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1		Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation E	5/1 - 10/31		acute	chronic	Arsenic	340	---	
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02	
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---	
Qualifiers:			chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Cadmium(T)	5.0	---
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	---	TVS
			Inorganic (mg/L)			Chromium III(T)	50	---	
				acute	chronic	Chromium VI	TVS	TVS	
			Ammonia	TVS	TVS	Copper	TVS	TVS	
			Boron	---	0.75	Iron	---	WS	
			Chloride	---	250	Iron(T)	---	1000	
			Chlorine	0.019	0.011	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.17*	Nickel	TVS	TVS	
			Sulfate	---	WS	Nicel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS	
						Uranium	---	---	
						Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

6a. All tributaries to the Mancos River, including all wetlands, from Hwy 160 to the boundary of the Ute Mountain Indian Reservation, except for specific listings in segment 4c, 5, 6b and 6c. Navajo Wash, including all tributaries, from the source to the Ute Mountain Indian Reservation Boundary.

COSJLP06A	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute		chronic		
Reviewable	Aq Life Warm 2		Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation N	11/1 - 4/30		acute	chronic	Arsenic	340	---	
	Recreation P	5/1 - 10/31	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100	
Qualifiers:			pH	6.5 - 9.0	---	Beryllium	---	---	
Other:			chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS	
			E. Coli (per 100 mL)	5/1 - 10/31	---	205	Chromium III	TVS	TVS
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	---	100
						Chromium VI	TVS	TVS	
			Inorganic (mg/L)			Copper	TVS	TVS	
						Iron(T)	---	1000	
			Ammonia	TVS	TVS	Lead	TVS	TVS	
			Boron	---	0.75	Manganese	TVS	TVS	
			Chloride	---	---	Mercury	---	0.01(t)	
			Chlorine	0.019	0.011	Molybdenum(T)	---	150	
			Cyanide	0.005	---	Nickel	TVS	TVS	
			Nitrate	100	---	Selenium	TVS	TVS	
			Nitrite	0.05	---	Silver	TVS	TVS	
			Phosphorus	---	0.17	Uranium	---	---	
			Sulfate	---	---	Zinc	TVS	TVS	
			Sulfide	---	0.002				

6b. East Fork of Mud Creek, including all tributaries, from the source to the confluence with the West Fork of Mud Creek. East Canyon from the source to the confluence with Joes Canyon.

COSJLP06B	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM		MWAT	acute		chronic	
Reviewable	Aq Life Warm 2		Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation N	11/1 - 4/30		acute	chronic	Arsenic	340	---	
	Recreation P	5/1 - 10/31	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A	
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---	
Qualifiers:			chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS	
Other:			E. Coli (per 100 mL)	5/1 - 10/31	---	205	Cadmium(T)	5.0	---
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	TVS	TVS
						Chromium III(T)	---	100	
			Inorganic (mg/L)			Chromium VI	TVS	TVS	
					acute	chronic	Copper	TVS	TVS
			Ammonia	TVS	TVS	Iron	---	WS	
			Boron	---	0.75	Iron(T)	---	1000	
			Chloride	---	250	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.17	Nickel	TVS	TVS	
			Sulfate	---	WS	Nickel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS	
						Uranium	---	---	
						Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

6c. All tributaries to the Mancos River located in Mesa Verde National Park.						
COSJLP06C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Warm 1	Temperature °C	WS-III	WS-III	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
	Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	---
	Nitrite	0.05	---	Nickel	TVS	TVS
	Phosphorus	---	0.17	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
				Zinc	TVS	TVS

7a. Mainstem of McElmo Creek from the source to the confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.

COSJLP07A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
	Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	2200
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	150
	Nitrite	0.05	---	Nickel	TVS	TVS
	Phosphorus	---	0.17*	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
				Zinc	TVS	TVS

Temporary Modification(s):
 Ammonia(ac/ch) = current conditions
 Expiration Date of 6/30/2020
 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5).
 *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

7b. Mainstem of McElmo Creek from the confluence with Alkali Canyon to the Colorado/Utah border, except portion within the Ute Mountain Indian Reservation.							
COSJLP07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other:		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)		Chromium III	TVS	TVS	
		acute	chronic	Chromium III(T)	---	100	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	2200
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS
8. All tributaries to McElmo Creek, including all wetlands, from the source to the Colorado/Utah border, except for the portions within the Ute Mountain Indian Reservation and except for specific listings in Segments 7a, 7b and 11.							
COSJLP08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)		Chromium III	TVS	TVS	
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nicel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

9. Unnamed tributary to Ritter Draw (confluence at 37.4059, -108.5325).						
COSJLP09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	100
Other:		pH	6.5 - 9.0	---	Beryllium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
Ammonia(ac/ch) = current conditions		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 6/30/2020		Inorganic (mg/L)			Chromium III(T)	100
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).			acute	chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.17*	Selenium	TVS
		Sulfate	---	250	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

10. All tributaries to the San Juan River in Montezuma Dolores and San Miguel Counties, including all wetlands, except for the specific listings in Segments 2 through 8c and Segments 10b and 11.

COSJLP10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	150*	Beryllium(T)	---	100
		E. Coli (per 100 mL)	---	126	Cadmium	TVS	TVS
		Inorganic (mg/L)			Chromium III	TVS	TVS
			acute	chronic	Chromium III(T)	---	100
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	100	---	Mercury	---	0.01(t)
		Nitrite	---	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	---	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

11. Narraguinnep, Puett and Totten Reservoirs.					
COSJLP11	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (ug/L)	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	---
		acute	chronic	Chromium III(T)	50
		Ammonia	TVS	Chromium VI	TVS
		Boron	---	Copper	TVS
		Chloride	---	Iron	WS
		Chlorine	0.019	Iron(T)	1000
		Cyanide	0.005	Lead	TVS
		Nitrate	10	Lead(T)	50
		Nitrite	0.5	Manganese	TVS
		Phosphorus	---	Mercury	0.01(t)
		Sulfate	---	Molybdenum(T)	150
		Sulfide	---	Nickel	TVS
				Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

12. All lakes and reservoirs tributary to the La Plata River from the source to the Hay Gulch diversion south of Hesperus.					
COSJLP12	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	---	Iron	WS
		Chloride	---	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	0.01(t)
		Phosphorus	---	Molybdenum(T)	150
		Sulfate	---	Nickel	TVS
		Sulfide	---	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

13. All lakes and reservoirs tributary to the La Plata River from the Hay Gulch diversions south of Hesperus to the Southern Ute Indian Reservation boundary.							
COSJLP13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	
	Recreation P	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Other:	*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	pH	6.5 - 9.0	---	Beryllium	---	
		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	205	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.083*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
		14. All lakes and reservoirs tributary to the La Plata River from the boundary of the Southern Ute Indian Reservation to the Colorado/New Mexico border. The segment includes Mormon Reservoir (a.k.a. Red Mesa Ward Reservoir) and Long Hollow Reservoir (a.k.a. Bobby K. Taylor Reservoir).					
COSJLP14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Fish Ingestion		pH	6.5 - 9.0	---	Beryllium	---	
Other:	*Southern Ute Indian Reservation *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	chlorophyll a (ug/L)	---	20*	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.083*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

15. All lakes and reservoirs tributary to the Mancos River from the source of the East, West and Middle Forks to Hwy 160, except for the specific listing in Segment 4b. This segment includes Weber Reservoir, Bauer Lake, Little Bauer Reservoir, Hackley Reservoir, Joe Moore Reservoir, and Coppinger Reservoir.

COSJLP15	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute			chronic	
Reviewable	Aq Life Cold 1		Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E 5/1 - 10/31			acute	chronic	Arsenic	340	---	
	Recreation N 11/1 - 4/30		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	Water Supply		D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:			pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.			chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III	---	TVS
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	50	---
			Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS	
			Ammonia	TVS	TVS	Iron	---	WS	
			Boron	---	0.75	Iron(T)	---	1000	
			Chloride	---	250	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.025*	Nickel	TVS	TVS	
			Sulfate	---	WS	Nickel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS(tr)	
						Uranium	---	---	
						Zinc	TVS	TVS	

16. All lakes and reservoirs tributary to the Mancos River, from Hwy 160 to the boundary of the Ute Mountain Indian Reservation.

COSJLP16	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute		chronic		
Reviewable	Aq Life Warm 2		Temperature °C	WL	WL	Aluminum	---	---	
	Recreation N	11/1 - 4/30		acute	chronic	Arsenic	340	---	
	Recreation P	5/1 - 10/31	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100	
Qualifiers:			pH	6.5 - 9.0	---	Beryllium	---	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.			chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS	
			E. Coli (per 100 mL)	5/1 - 10/31	---	205	Chromium III	TVS	TVS
			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	---	100
						Chromium VI	TVS	TVS	
			Inorganic (mg/L)			Copper	TVS	TVS	
						Iron(T)	---	1000	
						Ammonia	TVS	TVS	
						Boron	---	0.75	
						Chloride	---	---	
						Chlorine	0.019	0.011	
						Cyanide	0.005	---	
						Nitrate	100	---	
						Nitrite	0.05	---	
						Phosphorus	---	0.083*	
						Sulfate	---	---	
						Sulfide	---	0.002	
									Zinc

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

17. All lakes and reservoirs tributary to the San Juan River in Montezuma Dolores and San Miguel Counties except for the specific listings in Segments 4b, 11 through 16, 18 and 19.

COSJLP17	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 2 Recreation E	WL	WL	Aluminum	---
Qualifiers:		acute	chronic	Arsenic	---
		D.O. (mg/L)	5.0	Arsenic(T)	7.6
Other:		pH	6.5 - 9.0	Beryllium	---
		chlorophyll a (ug/L)	20*	Beryllium(T)	100
		E. Coli (per 100 mL)	126	Cadmium	TVS
		Inorganic (mg/L)		Chromium III	TVS
		acute	chronic	Chromium III(T)	100
		Ammonia	TVS	Chromium VI	TVS
		Boron	0.75	Copper	TVS
		Chloride	---	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Manganese	TVS
		Nitrate	100	Mercury	0.01(t)
		Nitrite	---	Molybdenum(T)	150
		Phosphorus	0.083*	Nickel	TVS
		Sulfate	---	Selenium	TVS
		Sulfide	0.002	Silver	TVS
				Uranium	---
				Zinc	TVS

18. All lakes and reservoirs tributary to Yellow Jacket Creek, from the source to the confluence with McElmo Creek.

COSJLP18	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1 Recreation E	WL	WL	Aluminum	---
Qualifiers:		acute	chronic	Arsenic	---
		D.O. (mg/L)	5.0	Arsenic(T)	7.6
Other:		pH	6.5 - 9.0	Beryllium	---
		chlorophyll a (ug/L)	20*	Cadmium	TVS
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	100
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron(T)	2200
		Chloride	---	Lead	TVS
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury	0.01(t)
		Nitrate	100	Molybdenum(T)	150
		Nitrite	0.05	Nickel	TVS
		Phosphorus	0.083*	Selenium	TVS
		Sulfate	---	Silver	TVS
		Sulfide	0.002	Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standardsfor details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

19. All lakes and reservoirs tributary to McElmo Creek from the source to the Colorado/Utah border, except for those within the Ute Mountain Indian Reservation. This segment includes Denny Lake.							
COSJLP19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	
	Recreation E					---	
		acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Fish Ingestion		pH	6.5 - 9.0	---	Beryllium	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.083*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

1. All tributaries to the Dolores River and West Dolores River, including all wetlands, tributaries, which are within the Lizard Head Wilderness area.						
COSJDO01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(sc)
2. Mainstem of the Dolores River from the source to a point immediately above the confluence with Horse Creek.						
COSJDO02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

3. Mainstem of the Dolores River from a point immediately above the confluence with Horse Creek to a point immediately above the confluence with Bear Creek.						
COSJDO03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4a. Mainstem of the Dolores River from a point immediately above the confluence with Bear Creek to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line).						
COSJDO04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

4b. McPhee Reservoir and Summit Reservoir.								
COSJDO04B		Classifications		Physical and Biological		Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 4/30	CLL	CLL	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 12/31	CLL*	varies* ^B	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
	DUWS*							
Qualifiers:			acute	chronic		Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 34.5(5), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to McPhee Reservoir only. *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = Summit Reservoir MWAT = 21.0 McPhee Reservoir MWAT = 21.1		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
			Inorganic (mg/L)		Iron	---	WS	
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury	---	0.01(t)	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.025*	Selenium	TVS	TVS	
Sulfate	---	WS	Silver	TVS	TVS(tr)			
Sulfide	---	0.002	Uranium	---	---			
			Zinc	TVS	TVS			
5a. All tributaries to the Dolores River and West Dolores River, including all wetlands, from the source to a point immediately below the confluence with the West Dolores River except for specific listings in Segments 1 and 5b through 10.								
COSJDO05A		Classifications		Physical and Biological		Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Zinc(chronic) = Chronic zinc sculpin standard applies to Silver Creek and Fish Creek.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
			Inorganic (mg/L)		Chromium VI	TVS	TVS	
			acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.11	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
			Silver	TVS	TVS(tr)			
			Uranium	---	---			
			Zinc	TVS	TVS(sc)*			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

5b. Mainstem of Rio Lado from the source to the confluence with the Dolores River. Mainstem of Spring Creek from the source to the confluence with Stoner Creek. Mainstem of Little Taylor Creek from the source to the confluence with Taylor Creek.

COSJDO05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

6. Mainstem of the Slate Creek and Coke Oven Creek, from the Lizard Head Wilderness Area boundary to their confluences with the Dolores River.

COSJDO06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

7. Mainstem of Coal Creek from the boundary of the Lizard Head Wilderness Area to the confluence with the Dolores River.						
COSJDO07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

8. Mainstem of Horse Creek from the source to the confluence with the Dolores River.						
COSJDO08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

9. Mainstem of Silver Creek from a point immediately below the Town of Rico's water supply diversion to the confluence with the Dolores River.											
COSJDO09	Classifications			Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic			
	Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Aluminum	---	---		
		Recreation E	5/1 - 10/31		acute	chronic	Arsenic	340	---		
		Recreation N	11/1 - 4/30	D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6		
Qualifiers:				D.O. (spawning)	---	7.0	Beryllium	---	---		
Fish Ingestion				pH	6.5 - 9.0	---	Cadmium	---	SSE*TVS		
<div>Other:</div> <div><div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div><div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div></div>				chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS	---		
				E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III	TVS	TVS	
				E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	---	100	
				Inorganic (mg/L)			Chromium VI	TVS	TVS		
							acute	chronic	Copper	TVS	TVS
				Ammonia	TVS	TVS	Iron	---	---		
				Boron	---	0.75	Lead	TVS	TVS		
				Chloride	---	---	Manganese	TVS	TVS		
				Chlorine	0.019	0.011	Mercury	---	0.01(t)		
				Cyanide	0.005	---	Molybdenum(T)	---	150		
				Nitrate	100	---	Nickel	TVS	TVS		
				Nitrite	0.05	---	Selenium	TVS	TVS		
				Phosphorus	---	0.11	Silver	TVS	TVS(tr)		
				Sulfate	---	---	Uranium	---	---		
				Sulfide	---	0.002	Zinc	TVS	TVS		

10a. Mainstem of the West Dolores River from the Lizard Head Wilderness Area boundary to above the confluence with Fish Creek.											
COSJDO10A	Classifications			Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic			
	Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Aluminum	---	---		
		Recreation E			acute	chronic	Arsenic	340	---		
		Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02		
Qualifiers:				D.O. (spawning)	---	7.0	Beryllium	---	---		
<div>Other:</div> <div>*Manganese(chronic) = WS, TVS and 50 ug/L</div>				pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS		
				chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---		
				E. Coli (per 100 mL)	---	126	Chromium III	---	TVS		
							Chromium III(T)	50	---		
				Inorganic (mg/L)			Chromium VI	TVS	TVS		
							acute	chronic	Copper	TVS	TVS
				Ammonia	TVS	TVS	Iron	---	WS		
				Boron	---	0.75	Iron(T)	---	1000		
				Chloride	---	250	Lead	TVS	TVS		
				Chlorine	0.019	0.011	Lead(T)	50	---		
				Cyanide	0.005	---	Manganese	TVS	varies*		
				Nitrate	10	---	Mercury	---	0.01(t)		
				Nitrite	0.05	---	Molybdenum(T)	---	150		
				Phosphorus	---	0.11	Nickel	TVS	TVS		
				Sulfate	---	WS	Nickel(T)	---	100		
				Sulfide	---	0.002	Selenium	TVS	TVS		
							Silver	TVS	TVS(tr)		
			Uranium	---	---						
			Zinc	TVS	TVS						

10a. Mainstem of the West Dolores River from the Lizard Head Wilderness Area boundary to above the confluence with Fish Creek.							
COSJDO10A		Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
*Manganese(chronic) = WS, TVS and 50 ug/L		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
		Ammonia			TVS	TVS	
		Boron			---	0.75	
		Chloride			---	250	
		Chlorine			0.019	0.011	
		Cyanide			0.005	---	
		Nitrate			10	---	
		Nitrite			0.05	---	
		Phosphorus			---	0.11	
		Sulfate			---	WS	
		Sulfide			---	0.002	
							Selenium
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

10b. Mainstem of the West Dolores River from above the confluence with Fish Creek to the confluence with the Dolores River.						
COSJDO10B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*Manganese(chronic) = WS, TVS and 50 ug/L		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

11a. Lost Canyon, including all tributaries, from the source to the Forest Service Boundary.						
COSJDO11A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

11a. Lost Canyon, including all tributaries, from the source to the Forest Service Boundary.							
COSJDO11A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
			Inorganic (mg/L)		Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

11b. All tributaries to the Dolores River, including all wetlands, from a point immediately below the confluence of the West Dolores River to the inlet of McPhee Reservoir, except for the specific listing in Segments 4a and 11a.

COSJDO11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

11c. All tributaries to McPhee Reservoir, except for the specific listings in Segments 4a and 11b. All tributaries to the Dolores River from the outlet of McPhee Reservoir to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line). Beaver Creek and Plateau Creek, including all tributaries, from the source to the confluence with the Dolores River.

COSJDO11C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

12. All lakes, and reservoirs tributary to the Dolores River and West Dolores River, which are within the Lizard Head Wilderness area. This segment includes Navajo Lake.							
COSJDO12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		13. Groundhog Reservoir.					
COSJDO13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

14. All lakes and reservoirs tributary to the Dolores River and West Dolores River, from the source to a point immediately below the confluence with the West Dolores River except for specific listings in Segments 12 and 13.

COSJDO14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CL		CL	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02
Qualifiers:		---		7.0	---		---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH		6.5 - 9.0	---	TVS(tr)	
		chlorophyll a (ug/L)		---	8*	5.0	
		E. Coli (per 100 mL)		---	126	---	
		Chromium III		---	TVS	TVS	
		Chromium III(T)		---	50	---	
		Chromium VI		---	TVS	TVS	
		Copper		---	TVS	TVS	
		Iron		---	WS	1000	
		Iron(T)		---	TVS	TVS	
		Lead		---	50	---	
		Lead(T)		---	TVS	TVS/WS	
		Manganese		---	0.01(t)	150	
		Mercury		---	TVS	TVS	
		Molybdenum(T)		---	---	100	
		Nickel		---	TVS	TVS	
		Nickel(T)		---	---	TVS(tr)	
		Selenium		---	TVS	TVS	
		Silver		---	---	---	
		Uranium		---	TVS	TVS	
		Zinc		---	---	---	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

15. All lakes and reservoirs which are tributary to the Dolores River from a point immediately below the confluence of the West Dolores River, to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line), except for the specific listing in Segment 4b. This segment includes Campbell Reservoir, Summers Reservoir, Red Lake, and Long Draw Reservoir.

COSJDO15	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(±)	TVS	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.

TABLE 1

ANIMAS RIVER BASIN
AQUATIC LIFE INDICATOR GOAL: BROOK TROUT

Segment 3a

Acute Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Zn	720	780	1060	1200	760	410	280	340	380	440	510	590

Chronic Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Mn	TVS	TVS	2571	2179	TVS	TVS	TVS	TVS	TVS	TVS	TVS	TVS
Zn	720	780	1060	1200	760	410	280	340	380	440	510	590

Segment 4a

Acute Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Al(Trec)	3100	3550	2800	2020	1010	740	700	1360	1490	1610	2280	2570
Zn	460	520	620	570	430	250	170	240	290	340	380	420

Chronic Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
pH	5.9-9.0	5.7-9.0	6.2-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	5.9-9.0
Al(Trec)	3100	3550	2800	2020	1010	740	700	1360	1490	1610	2280	2570
Fe	3473	2961	3776	3404	2015	1220	1286	1830	1623	2258	2631	3511
Zn	460	520	620	570	430	250	170	240	290	340	380	420

Segment 9

Acute Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Al(Trec)	4680	4950	4560	3800	1390	1350	1290	2040	2570	2680	3450	4050

Chronic Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
pH	4.9-9.0	4.8-9.0	4.9-9.0	5.9-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.2-9.0	5.4-9.0
Al(Trec)	4680	4950	4560	3800	1390	1350	1290	2040	2570	2680	3450	4050
Cu	TVS	TVS	TVS	18	20	TVS	TVS	TVS	TVS	TVS	TVS	TVS
Fe	3420	3800	4370	3370	3150	2210	2275	2280	3020	3580	3620	3490
Zn	TVS	TVS	TVS	TVS	230	TVS	TVS	TVS	TVS	TVS	TVS	TVS

Exhibit 5
Water Quality Control Division
Regulation #35

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS

5 CCR 1002-35

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

35.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 35-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (T)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$ pH equal to or greater than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ pH less than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is less</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N) Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028(25 - T)})$ <p>Warm Water = (mg/l as N) Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$ $chronic (Apr1 - Aug31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028(25 - T)})$ $chronic (Sep1 - Mar31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028(25 - MAX(T, 7))}$

Cadmium	 $\text{Acute(warm)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.443)}$ $\text{Acute(cold)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.866)}$ $\text{Chronic} = (1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 * \ln(\text{hardness}) - 3.909)}$ $\text{Acute} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.1485}$ $\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.6236}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.7998[\ln(\text{hardness})] - 4.4451}$ 					
Chromium III ⁽⁶⁶⁾	$\text{Acute} = e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ $\text{Chronic} = e^{(0.819[\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ⁽⁶⁶⁾	$\text{Acute} = 16$ $\text{Chronic} = 11$					
Copper	$\text{Acute} = e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ $\text{Chronic} = e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$					
Lead	$\text{Acute} = (1.46203 - [(\ln(\text{hardness}) * (0.145712))] * e^{(1.273[\ln(\text{hardness})] - 1.46)}$ $\text{Chronic} = (1.46203 - [(\ln(\text{hardness}) * (0.145712))] * e^{(1.273[\ln(\text{hardness})] - 4.705)}$					
Manganese	$\text{Acute} = e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ $\text{Chronic} = e^{(0.3331[\ln(\text{hardness})] + 5.8743)}$					
Nickel	$\text{Acute} = e^{(0.846[\ln(\text{hardness})] + 2.253)}$ $\text{Chronic} = e^{(0.846[\ln(\text{hardness})] + 0.0554)}$					
Selenium ⁽⁶⁷⁾	$\text{Acute} = 18.4$ $\text{Chronic} = 4.6$					
Silver	$\text{Acute} = \frac{1}{2}e^{(1.72[\ln(\text{hardness})] - 6.52)}$ $\text{Chronic} = e^{(1.72[\ln(\text{hardness})] - 9.06)}$ $\text{Chronic(Trout)} = e^{(1.72[\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
	Cold Stream Tier 1	CS-I	brook trout, cutthroat trout	June – Sept.	MWAT	DM
				Oct. – May	17.0	21.7
	Cold Stream Tier 2	CS-II	all other cold-water species	April – Oct.	9.0	13.0
				Nov. – March	18.3	24.3
	Cold Lakes ⁽⁷⁸⁾	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. – March	9.0	13.0
	Cold Large Lakes (>100 acres surface area) ⁽⁷⁸⁾	CLL	rainbow trout, brown trout, lake trout	April – Dec.	18.3	24.2
				Jan. – March	9.0	13.0
	Warm Stream Tier 2	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	25.2
	Warm Stream	WS-III	all other warm-water	March – Nov.	28.7	31.8

	Tier 3		species	Dec. – Feb.	14.3	24.9
	Warm Lakes	WL	black crappie, bluegill, common carp, gizzard shad, golden shiner, largemouth bass, northern pike, pumpkinseed, sauger, smallmouth bass, spottail shiner, stonecat, striped bass, tiger muskellunge, walleye, wiper, white bass, white crappie, yellow perch	April – Dec.	26.2	29.3
				Jan. – March	13.1	24.1
Uranium	Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$ Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$					
Zinc	Acute = $0.978 * e^{(0.9094[\ln(\text{hardness})]+0.9095)}$ Chronic = $0.986 * e^{(0.9094[\ln(\text{hardness})]+0.6235)}$ Where hardness is less than 102 mg/L CaCO ³ and mottled sculpin are expected to be present: Chronic (sculpin) = $e^{(2.140[\ln(\text{hardness})]-5.084)}$					

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/L as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the commission on a site-specific basis where appropriate evidence is submitted.
- (5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.
- (56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case

can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.

- (67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.
- (78) Lake trout-based summer temperature criteria [16.6 (ch), 22.4 (ac)] apply where appropriate and necessary to protect lake trout from thermal impacts.

35.48 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

A. Aquatic Life Standards for Cadmium

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive

cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

During the 2017 basin review, the commission adopted EPA's 2016 recommended criteria as site-specific standards in select cold water segments. The updated table value standards for cold waters are the same as EPA's 2016 recommended criteria. Therefore, to reflect the commission's state-wide adoption of the updated table value standards, the cadmium "SSE" were replaced with "TVS" on the following segments:

Upper Gunnison River: 7, 10a, 10b, 11, 12, 29a, 30, 31

North Fork of the Gunnison River: 4c

Uncompahgre River: 2, 3a, 3b, 3c, 3d, 3e, 3f, 5, 8, 9

San Miguel River: 2, 3a, 3b, 6a, 6b

B. Clarifications to Appendix 35-1

To improve the clarity and usability of the tables, an acronym list was added to the front of Appendix 35-1 and the footnote referencing Section 35.6 was also simplified.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-35

**REGULATION NO. 35
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
GUNNISON AND LOWER DOLORES RIVER BASINS**

**APPENDIX 35-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2019~~06/30/2020

Abbreviations and Acronyms

<u>Aq</u>	=	<u>Aquatic</u>
<u>°C</u>	=	<u>degrees Celsius</u>
<u>CL</u>	=	<u>cold lake temperature tier</u>
<u>CLL</u>	=	<u>cold large lake temperature tier</u>
<u>CS-I</u>	=	<u>cold stream temperature tier one</u>
<u>CS-II</u>	=	<u>cold stream temperature tier two</u>
<u>D.O.</u>	=	<u>dissolved oxygen</u>
<u>DM</u>	=	<u>daily maximum temperature</u>
<u>DUWS</u>	=	<u>direct use water supply</u>
<u>E. coli</u>	=	<u><i>Escherichia coli</i></u>
<u>EQ</u>	=	<u>existing quality</u>
<u>mg/L</u>	=	<u>milligrams per liter</u>
<u>mg/m²</u>	=	<u>milligrams per square meter</u>
<u>mL</u>	=	<u>milliliter</u>
<u>MWAT</u>	=	<u>maximum weekly average temperature</u>
<u>OW</u>	=	<u>outstanding waters</u>
<u>sc</u>	=	<u>sculpin</u>
<u>SSE</u>	=	<u>site-specific equation</u>
<u>T</u>	=	<u>total recoverable</u>
<u>t</u>	=	<u>total</u>
<u>tr</u>	=	<u>trout</u>
<u>TVS</u>	=	<u>table value standard</u>
<u>µg/L</u>	=	<u>micrograms per liter</u>
<u>UP</u>	=	<u>use-protected</u>
<u>WS</u>	=	<u>water supply</u>
<u>WS-I</u>	=	<u>warm stream temperature tier one</u>
<u>WS-II</u>	=	<u>warm stream temperature tier two</u>
<u>WS-III</u>	=	<u>warm stream temperature tier three</u>
<u>WL</u>	=	<u>warm lake temperature tier</u>

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

1. All tributaries to the Gunnison River, including and wetlands, within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas.

COGUUG01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.02	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

2. All tributaries and wetlands from Beaver Creek to Meyers Gulch, from the West Elk Wilderness boundary to their confluences with Blue Mesa Reservoir, Morrow Point Reservoir, or the Gunnison River, excluding Steuben Creek, Willow Creek, and Soap Creek and their tributaries.

COGUUG02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.02	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr),

TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

3. Deleted.						
COGUUG03	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			
4. Mainstem of the Taylor River, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, except for specific listings in Segment 1.						
COGUUG04	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
	Ammonia	TVS	TVS		Iron	---
	Boron	---	0.75		Iron(T)	---
	Chloride	---	250		Lead	TVS
	Chlorine	0.019	0.011		Lead(T)	50
	Cyanide	0.005	---		Manganese	TVS
	Nitrate	10	---		Mercury	---
	Nitrite	0.05	---		Molybdenum(T)	---
	Phosphorus	---	0.11		Nickel	TVS
	Sulfate	---	WS		Nickel(T)	---
	Sulfide	---	0.002		Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

5a. Mainstem of the East River, including all tributaries and wetlands, from its source to a point immediately above the confluence with the Slate River, except for specific listings in Segment 1.						
COGUUG05A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS
						TVS
5b. Mainstem of the East River from a point immediately above the Slate River to the confluence with the Gunnison River.						
COGUUG05B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

6a. All tributaries to the East River from a point immediately above its confluence with the Slate River to its confluence with the Gunnison River, except for specific listings in Segments 6b and 6c.

COGUUG06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2 Recreation U	Temperature °C	CS-I	CS-I	Aluminum	---	---
Qualifiers:		acute		chronic	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.5	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

6b. Cement Creek and all its tributaries and wetlands from the source to a point immediately above the confluence with Horse Basin Creek.

COGUUG06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Aluminum	---	---
Qualifiers:		acute		chronic	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021	D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

6c. Cement Creek, including all tributaries and wetlands, from a point immediately above the confluence with Horse Basin Creek to the confluence with the East River.						
COGUUG06C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7. Mainstem of the Slate River from its source to a point immediately above the confluence with Coal Creek.						
COGUUG07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
					Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

8. Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.						
COGUUG08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I* ^C	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
*Temperature = summer criteria apply from 6/1-10/15		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
9. All tributaries and wetlands to the Slate River except for specific listings in Segments 1, 10a, 10b, 11, 12 and 13.						
COGUUG09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

9. All tributaries and wetlands to the Slate River except for specific listings in Segments 1, 10a, 10b, 11, 12 and 13.						
COGUUG09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

11. Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately above the Keystone Mine discharge (38.867117, -107.023627). Elk Creek and its tributaries and wetlands from its source to its confluence with Coal Creek.

COGUUG11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-I		CS-I	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02
Qualifiers:		D.O. (spawning)		---	---		---
Other: *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		pH		6.5 - 9.0	---		---
		chlorophyll a (mg/m²)		---	150		---
		E. Coli (per 100 mL)		---	126		---
		Inorganic (mg/L)			Chromium III		TVS
					Chromium III(T)		---
					Chromium VI		TVS
					Copper		TVS
					Iron		WS
					Iron(T)		1000
					Lead		TVS
					Lead(T)		---
					Manganese		TVS
					Mercury		0.01(t)
					Molybdenum(T)		210
					Nickel		TVS
					Nickel(T)		100
					Selenium		TVS
					Silver		TVS(tr)
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

12. Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately above the Keystone Mine discharge (38.867117, -107.023627) to the confluence with the Slate River, with the exception of Wildcat Creek.

COGUUG12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C		CS-I	CS-I	Aluminum	---
	Recreation E	acute		chronic		Arsenic	340
	Water Supply	D.O. (mg/L)		---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)		---	7.0	Beryllium	---
Other:		pH		6.5 - 9.0	---	Cadmium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)		---	150	Cadmium	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		---	126	Cadmium(T)	---
Expiration Date of 12/31/2021						Chromium III	---
Cadmium(ac/ch) = 3.5/2.79*						Chromium III(T)	---
Copper(ac/ch) = current condition*						Chromium VI	---
Zinc(chronic) = 576*						Copper	---
Expiration Date of 12/31/2022						Iron	---
						Iron(T)	---
						Lead	---
						Lead(T)	---
						Manganese	---
						Mercury	---
						Molybdenum(T)	---
						Nickel	---
						Nickel(T)	---
						Selenium	---
						Silver	---
						Uranium	---
						Zinc	---

*Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866)} \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))$

*Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909)} \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))$

*TempMod: Cadmium(4/1 - 6/30) = Coal Creek

*TempMod: Copper(4/1 - 6/30) = Coal Creek

*TempMod: Zinc(4/1 - 6/30) = Coal Creek

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr),

TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

13. Mainstem of Woods Creek from the source to the confluence with Washington Gulch.						
COGUUG13	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	WS
		Chloride	---	250	Lead	1000
		Chlorine	0.019	0.011	Lead(T)	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	TVS/WS
		Phosphorus	---	0.11*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	0.01(t)
		Sulfide	---	0.002	Nickel(T)	150
					Nickel	TVS
					Nickel(T)	TVS
					Selenium	---
					Silver	0.01(t)
					Uranium	150
					Zinc	TVS
						TVS
14. Mainstem of the Gunnison River from its inception at the confluence of the East and Taylor rivers to the inlet of Blue Mesa Reservoir.						
COGUUG14	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Arsenic(T)	0.02
Other:		pH	6.5 - 9.0	---	Beryllium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS(tr)
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	TVS
Expiration Date of 12/31/2021					Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	TVS
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	---
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	TVS
		Chlorine	0.019	0.011	Iron	WS
		Cyanide	0.005	---	Iron(T)	1000
		Nitrate	10	---	Lead	TVS
		Nitrite	0.05	---	Lead(T)	TVS
		Phosphorus	---	---	Lead(T)	50
		Sulfate	---	WS	Manganese	---
		Sulfide	---	0.002	Mercury	TVS/WS
					Molybdenum(T)	---
					Nickel	150
					Nickel	TVS
					Nickel(T)	TVS
					Selenium	---
					Silver	0.01(t)
					Uranium	150
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

15a. All tributaries and wetlands to the Gunnison River from its inception at the confluence of the East and Taylor Rivers to the County Road 32 road crossing near the inlet of Blue Mesa Reservoir except for the specific listings in Segments 1, 15b, 16a, 16b, 17 through 24, and 26.

COGUUG15A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	Aluminum	---
	Recreation U	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS
		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	WS
		Chloride	250	Iron(T)	1950
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	0.01(t)
		Phosphorus	0.11	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

15b. South Beaver Creek, including all tributaries and wetlands, from the source to the Saguache/Gunnison County line.

COGUUG15B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation U	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	126	Chromium III	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Chromium III(T)	50
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	WS
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury	0.01(t)
		Phosphorus	0.11	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr),

TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

16a. Mainstem of Ohio Creek, from the source to a point immediately below 7 Road. All tributaries to Ohio Creek, except for specific listings in Segment 1.						
COGUUG16A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

16b. Mainstem of Ohio Creek from a point immediately below 7 Road to the confluence with the Gunnison River.						
COGUUG16B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I*	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

17a. West Antelope Creek, including all tributaries and wetlands, from the source to the confluence with Antelope Creek.						
COGUUG17A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

17b. Mainstem of Antelope Creek, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, excluding the listings in Segment 17a.						
COGUUG17B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

18a. Mainstem of Tomichi Creek and its wetlands from the source to the confluence with Porphyry Creek.						
COGUUG18A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

18b. Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.						
COGUUG18B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	Aluminum	---
	Recreation U	Temperature °C	4/1 - 10/31	CS-II*	Arsenic	340
	Water Supply				Arsenic(T)	---
Qualifiers:		acute	chronic		Beryllium	---
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Temporary Modification(s):		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		pH	6.5 - 9.0	---	Chromium III	---
Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

19. All tributaries to Tomichi Creek, including wetlands, which are within the boundaries of the Gunnison National Forest, except for specific listings in Segments 20 through 24. Mainstems of Barret, Razor, and Quartz Creeks from their sources to their confluences with Tomichi Creek. Hot Springs Creek from its source to the inlet of Hot Springs Reservoir.

COGUUG19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation U	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

20. Mainstem of Indian Creek, including all tributaries, from the source to the confluence with Marshall Creek.

COGUUG20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
*Uranium(acute) = lowest practical level		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
*Uranium(chronic) = lowest practical level		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	LPL*	LPL*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

21. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.						
COGUUG21	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
Uranium(chronic) = current condition*		Inorganic (mg/L)			Chromium VI	TVS
Expiration Date of 12/31/2022		acute	chronic		Copper	TVS
*TempMod: Uranium = Mainstem of Marshall Creek		Ammonia	TVS	TVS	Iron	---
from the confluence with Indian Creek to the		Boron	---	0.75	Iron(T)	1000
confluence with Tomichi Creek		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	150
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Uranium(T)	16.8-30 ^A
					Zinc	TVS

22. Mainstem of Gold Creek from Browns Gulch to the confluence with Quartz Creek.						
COGUUG22	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	150
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

23. Mainstem of Cochetopa Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with West Pass Creek with the exception of Segment 1.

COGUUG23	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation U	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	0.75	Iron(T)	1000
		Chloride	250	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	0.01(t)
		Nitrite	0.05	Molybdenum(T)	150
		Phosphorus	0.11	Nickel	TVS
		Sulfate	WS	Nickel(T)	100
		Sulfide	0.002	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

24. Mainstem of Cochetopa Creek from a point immediately below the confluence with West Pass Creek to the confluence with Tomichi Creek.

COGUUG24	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation U	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	0.75	Iron(T)	1000
		Chloride	250	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	0.01(t)
		Nitrite	0.05	Molybdenum(T)	150
		Phosphorus	0.11	Nickel	TVS
		Sulfate	WS	Nickel(T)	100
		Sulfide	0.002	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

25. The segments of the Gunnison River which interconnect Blue Mesa Reservoir, Morrow Point Reservoir, and Crystal Reservoir.							
COGUUG25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:	pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
	chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---	
	E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
				Chromium III(T)	50	---	
	Inorganic (mg/L)			Chromium VI	TVS	TVS	
	acute			chronic	Copper	TVS	
	Ammonia			TVS	TVS	Iron	---
	Boron			---	0.75	Iron(T)	---
	Chloride			---	250	Lead	TVS
	Chlorine			0.019	0.011	Lead(T)	50
	Cyanide			0.005	---	Manganese	TVS
	Nitrate			10	---	Mercury	---
	Nitrite			0.05	---	Molybdenum(T)	---
	Phosphorus			---	---	Nickel	TVS
	Sulfate			---	WS	Nickel(T)	---
	Sulfide			---	0.002	Selenium	TVS
						Silver	TVS
						Uranium	---
						Zinc	TVS
	26. All tributaries, including wetlands, which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, or the segments of the Gunnison River that interconnect those reservoirs, except for specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32.						
COGUUG26	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation U	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:	pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
	chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---	
	E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
				Chromium III(T)	50	---	
	Inorganic (mg/L)			Chromium VI	TVS	TVS	
	acute			chronic	Copper	TVS	
	Ammonia			TVS	TVS	Iron	---
	Boron			---	0.75	Iron(T)	---
	Chloride			---	250	Lead	TVS
	Chlorine			0.019	0.011	Lead(T)	50
	Cyanide			0.005	---	Manganese	TVS
	Nitrate			10	---	Mercury	---
	Nitrite			0.05	---	Molybdenum(T)	---
	Phosphorus			---	0.11*	Nickel	TVS
	Sulfate			---	WS	Nickel(T)	---
	Sulfide			---	0.002	Selenium	TVS
						Silver	TVS
						Uranium	---
						Zinc	TVS

26. All tributaries, including wetlands, which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, or the segments of the Gunnison River that interconnect those reservoirs, except for specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32.						
COGUUG26	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).			Inorganic (mg/L)		Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Upper Gunnison River Basin

27. Deleted.				
COGUUG27	Classifications	Physical and Biological		Metals (ug/L)
Designation		DM	MWAT	acute chronic
Qualifiers:		acute	chronic	
Other:				
		Inorganic (mg/L)		
		acute	chronic	
28. Deleted.				
COGUUG28	Classifications	Physical and Biological		Metals (ug/L)
Designation		DM	MWAT	acute chronic
Qualifiers:		acute	chronic	
Other:				
		Inorganic (mg/L)		
		acute	chronic	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

29a. Mainstem of the Lake Fork of the Gunnison including all tributaries and wetlands, from the source to a point immediately above the confluence with Eaton Creek. Cebolla Creek, including all tributaries and wetlands, from the source to the Hinsdale/Gunnison County line. Powderhorn Creek, including all tributaries and wetlands, from the source to the confluence with Cebolla Creek. This segment excludes the specific listings in Segments 1, 29b, 30, 31, and 32.

COGUUG29A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	---	SSE *TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	SSE *TVS	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium III	---	TVS
					Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
~~*Cadmium(acute) = e^{^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))}~~
~~*Cadmium(chronic) = e^{^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))}~~

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

29b. Mainstem of the Lake Fork of the Gunnison, including all tributaries and wetlands, from a point immediately above the confluence with Eaton Creek, to Blue Mesa Reservoir. Cebolla Creek, including all tributaries and wetlands, from the Hinsdale/Gunnison County line, to Blue Mesa Reservoir, excluding the listings in Segment 29a.

COGUUG29B Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

30. Mainstem of Henson Creek, including all tributaries and wetlands, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listings in Segments 31 and 32.

COGUUG30	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	---	SSE ^{TVS}
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE ^{TVS}	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Expiration Date of 12/31/2021					Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

31. Mainstem of Palmetto Gulch Creek including all tributaries.

COGUUG31	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	100
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	---	SSE ^{TVS}
		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE ^{TVS}	---
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
					Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS
		Sulfate	---	---	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

32. North Fork of Henson Creek including all tributaries and wetlands, from its source to the confluence with Henson Creek, except for specific listings in Segment 1.						
COGUUG32	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

33. All lakes and reservoirs that are tributary to the Gunnison River and within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas.						
COGUUG33	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.02	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

34. All lakes and reservoirs tributary to the Taylor River and the East River, from their sources to their confluence at the inception of the Gunnison River, excluding the listings in Segments 33, 35 and 37. This segment includes Meridian Lake, Nicholson Lake, Peanut Lake, Glazer Reservoir (38.874441, -106.999868), Lake Grant, Lily Pond, Pothole Reservoirs 1 and 2, Texas Lake, Mirror Lake, and Spring Creek Reservoir.

COGUUG34	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Glazer Reservoir only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.025*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

35. All lakes and reservoirs tributary to Redwell Creek.

COGUUG35	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Beryllium	---	---	
		pH	6.5 - 9.0	---	Cadmium	TVS	TVS	
		chlorophyll a (ug/L)	---	8*	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100	
					Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	8	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury	---	0.01(t)	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.05	---	Silver	TVS	TVS	
		Phosphorus	---	0.025*	Uranium	---	---	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

36. All lakes and reservoirs tributary to the Gunnison River from its inception at the confluence of the Taylor and East Rivers, to the inlet of Blue Mesa Reservoir, excluding the listings in Segment 33. This segment includes Kenny Moore Reservoir, Hot Springs Reservoir, Needle Creek Reservoir, Vouga Reservoir, Moss Lake, Dome Lakes, and McDonough Reservoirs 1 and 2.

COGUUG36	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

37. All lakes and reservoirs tributary to Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir or the segments of the Gunnison River that interconnect them, excluding the listings in Segments 33 and 38. This segment includes Fish Creek Reservoirs 1 and 2, Hampton Lake, High Park Lake, Watson Lake, Butte Lake, Swanson Lake, Fitzpatrick Lake, Evergreen Lake (38.325447, -107.365786), Dry Lake, Devils Lake, Powderhorn Lakes, Soderquist Reservoir, Rainbow Lake, Cataract Lake, Castle Lakes, Crystal Lake, and Waterdog Lake.

COGUUG37	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Evergreen Lake only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

38. Lake San Cristobal, Taylor Park Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, and Silver Jack Reservoir.								
COGUUG38	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 12/31	varies*	varies*	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 35.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = Lake San Cristobal, Taylor Park Reservoir, and Blue Mesa Reservoir MWAT=16.6 All others MWAT=CLL Lake San Cristobal, Taylor Park Reservoir, and Blue Mesa Reservoir DM=24.2 All others DM=CLL	D.O. (mg/L)			---	6.0	Cadmium	TVS(±)	TVS
	D.O. (spawning)			---	7.0	Cadmium(T)	5.0	---
	pH			6.5 - 9.0	---	Chromium III	---	TVS
	chlorophyll a (ug/L)			---	8*	Chromium III(T)	50	---
	E. Coli (per 100 mL)			---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
					Inorganic (mg/L)	Iron	---	WS
			acute	chronic	Iron(T)	---	1000	
	Ammonia			TVS	TVS	Lead	TVS	TVS
	Boron			---	0.75	Lead(T)	50	---
	Chloride			---	250	Manganese	TVS	TVS/WS
	Chlorine			0.019	0.011	Mercury	---	0.01(t)
	Cyanide			0.005	---	Molybdenum(T)	---	150
	Nitrate			10	---	Nickel	TVS	TVS
	Nitrite			0.05	---	Nickel(T)	---	100
	Phosphorus			---	0.025*	Selenium	TVS	TVS
	Sulfate			---	WS	Silver	TVS	TVS(tr)
	Sulfide			---	0.002	Uranium	---	---
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

1. All tributaries to North Fork of the Gunnison River, including all wetlands, within the West Elk or Raggeds Wilderness Areas.								
COGUNF01	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---		
	Recreation E	acute	chronic		Arsenic	340		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0		
		E. Coli (per 100 mL)	---	126	Chromium III	---		
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS/TVS(sc)	
		2. Mainstem of North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Anthracite Creek to the Black Bridge (41.75 Drive) above Paonia.						
		COGUNF02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---		
	Recreation E	acute	chronic		Arsenic	340		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0		
		E. Coli (per 100 mL)	---	126	Chromium III	---		
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS/TVS(sc)	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See [for further details on applied standards35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

3. Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the Gunnison River.											
COGUNF03	Classifications			Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic			
Reviewable	Aq Life Cold 1			Temperature °C	11/16 - 3/15	CS-II	CS-II	Aluminum	---		
	Recreation E 4/1 - 9/30			Temperature °C	3/16 - 11/15	26.5*	21.9* C	Arsenic	340		
	Recreation P 10/1 - 3/31							Arsenic(T)	---		
	Water Supply								0.02		
Qualifiers:				D.O. (mg/L)	---	6.0		Beryllium	---		
Other:				D.O. (spawning)	---	7.0		Cadmium	TVS(†)		
Temporary Modification(s):				pH	6.5 - 9.0	---		Cadmium(T)	5.0		
Arsenic(chronic) = hybrid				chlorophyll a (mg/m²)	---	---		Chromium III	---		
Expiration Date of 12/31/2021				E. Coli (per 100 mL)	4/1 - 9/30	---	126	Chromium III(T)	50		
*Temperature(3/16 - 11/15) = See temperature assessment location at 35.6(6)				E. Coli (per 100 mL)	10/1 - 3/31	---	205	Chromium VI	TVS		
				Inorganic (mg/L)						Copper	TVS
				acute			chronic			Iron	---
				Ammonia			TVS	TVS		Iron(T)	---
				Boron			---	0.75		Lead	TVS
				Chloride			---	250		Lead(T)	50
				Chlorine			0.019	0.011		Manganese	TVS
				Cyanide			0.005	---		Mercury	TVS/WS
				Nitrate			10	---		Mercury	---
				Nitrite			0.05	---		Molybdenum(T)	0.01(t)
				Phosphorus			---	---		Nickel	---
				Sulfate			---	WS		Nickel(T)	150
				Sulfide			---	0.002		Nickel	TVS
										Selenium	TVS
										Silver	TVS
										TVS(tr)	TVS(tr)
										Uranium	---
										---	---
										Zinc	TVS
							TVS				
4a. Tributaries and wetlands to Muddy Creek within national forest boundaries. Anthracite Creek, including all tributaries and wetlands, from the source to the confluence with Muddy Creek. All tributaries to the North Fork of the Gunnison from its inception at the confluence of Muddy Creek and Anthracite Creek to the confluence with the Gunnison River within national forest boundaries. This segment excludes the specific listings in Segments 1 and 4c.											
COGUNF04A	Classifications			Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic			
Reviewable	Aq Life Cold 1			Temperature °C	CS-I	CS-I	Aluminum	---			
	Recreation E						Arsenic	340			
	Water Supply						Arsenic(T)	---			
Qualifiers:				D.O. (mg/L)	---	6.0		Beryllium	---		
Other:				D.O. (spawning)	---	7.0		Beryllium	---		
Temporary Modification(s):				pH	6.5 - 9.0	---		Cadmium	TVS(†)		
Arsenic(chronic) = hybrid				chlorophyll a (mg/m²)	---	150*		Cadmium(T)	TVS		
Expiration Date of 12/31/2021				E. Coli (per 100 mL)	---	126		Cadmium(T)	5.0		
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).								Chromium III	---		
				Inorganic (mg/L)						Chromium III(T)	TVS
				acute			chronic			Chromium III(T)	50
				Ammonia			TVS	TVS		Chromium VI	---
				Boron			---	0.75		Chromium VI	TVS
				Chloride			---	250		Copper	TVS
				Chlorine			0.019	0.011		Iron	---
				Cyanide			0.005	---		Iron	WS
				Nitrate			10	---		Iron(T)	---
				Nitrite			0.05	---		Lead	1000
				Phosphorus			---	0.11*		Lead	TVS
				Sulfate			---	WS		Lead(T)	TVS
				Sulfide			---	0.002		Lead(T)	50
										Manganese	---
										Mercury	---
										Molybdenum(T)	0.01(t)
										Nickel	---
										Nickel	TVS
										Nickel(T)	---
										Selenium	TVS
										Silver	TVS
						TVS(tr)	TVS(tr)				
						Uranium	---				
						---	---				
						Zinc	TVS				
							TVS/TVS(sc)				

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See [for further details on applied standards 35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

4b. Muddy Creek, including all tributaries and wetlands, from the national forest boundary to the confluence with Anthracite Creek, except for the specific listings in Segment 1.						
COGUNF04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4c. All tributaries to Lake Irwin from their sources to the inlet of Lake Irwin.

COGUNF04C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
		chlorophyll a (mg/m ²)	---	150*	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel	TVS
		Nitrite	0.05	---	Selenium	TVS
		Phosphorus	---	0.11*	Silver	TVS
		Sulfate	---	---	Uranium	---
		Sulfide	---	0.002	Zinc	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).
~~*Cadmium(acute) = e⁴(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))~~
~~*Cadmium(chronic) = e⁴(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))~~

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See [for further details on applied standards 35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

5a. Mainstems of Hubbard Creek, Terror Creek, and Minnesota Creek, from the national forest boundary to their confluences with the North Fork of the Gunnison River; mainstem of Jay Creek from its source to its confluence with the North Fork of the Gunnison River.

COGUNF05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CS-I	CS-I	Aluminum	---	---	
	Recreation P	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	205	Chromium III	---	TVS	
		Inorganic (mg/L)		Chromium III(T)	50	---	
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	Copper	TVS	TVS	
		Boron	0.75	Iron	---	WS	
		Chloride	250	Iron(T)	---	1000	
		Chlorine	0.019	Lead	TVS	TVS	
		Cyanide	0.005	Lead(T)	50	---	
		Nitrate	10	Manganese	TVS	TVS/WS	
		Nitrite	0.05	Mercury	---	0.01(t)	
		Phosphorus	0.11	Molybdenum(T)	---	150	
		Sulfate	WS	Nickel	TVS	TVS	
		Sulfide	0.002	Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	---	---	
				Zinc	TVS	TVS/TVS(sc)	

5b. Mainstem of Roatcap Creek, including all tributaries and wetlands, from the source to the confluence with the North Fork of the Gunnison. Leroux Creek from the national forest boundary to its confluence with the North Fork of the Gunnison River.

COGUNF05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CS-II	CS-II	Aluminum	---	---	
	Recreation P	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	150	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	205	Chromium III	---	TVS	
		Inorganic (mg/L)		Chromium III(T)	50	---	
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	Copper	TVS	TVS	
		Boron	0.75	Iron	---	WS	
		Chloride	250	Iron(T)	---	1000	
		Chlorine	0.019	Lead	TVS	TVS	
		Cyanide	0.005	Lead(T)	50	---	
		Nitrate	10	Manganese	TVS	TVS/WS	
		Nitrite	0.05	Mercury	---	0.01(t)	
		Phosphorus	0.11	Molybdenum(T)	---	150	
		Sulfate	WS	Nickel	TVS	TVS	
		Sulfide	0.002	Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	---	---	
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See [for further details on applied standards 35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

6a. All tributaries, including wetlands, to the North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Anthracite Creek to the confluence with the Gunnison River, and not within national forest boundaries, except for the specific listings in Segments 5a, 5b, 6b, and 6c.

COGUNF06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	205	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

6b. Mainstem and all tributaries to Bear Creek and Stevens Gulch. All tributaries, including wetlands, to the North Fork of the Gunnison River that are north of the North Fork of the Gunnison River, from a point immediately above the confluence with Roatcap Creek to the confluence with the Gunnison River, and are not within national forest boundaries; all tributaries, including wetlands, to the North Fork of the Gunnison River that are south of the North Fork of the Gunnison River, from a point immediately above the confluence with Minnesota Creek to the confluence with the Gunnison River, and are not within national forest boundaries, excluding the specific listings in Segments 5a and 5b.

COGUNF06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation P	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See [for further details on applied standards](#) 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

6c. Thompson Creek from the Gunnison National Forest boundary to its confluence with the North Fork of the Gunnison River.						
COGUNF06C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation P	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7. Paonia Reservoir and Overland Reservoir.						
COGUNF07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Other:		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	---
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	TVS
		Chlorine	0.019	0.011	Iron	---
		Cyanide	0.005	---	Iron(T)	WS
		Nitrate	10	---	Lead	1000
		Nitrite	0.05	---	Lead(T)	TVS
		Phosphorus	---	0.025*	Lead(T)	50
		Sulfate	---	WS	Manganese	---
		Sulfide	---	0.002	Mercury	TVS/WS
					Mercury	---
					Molybdenum(T)	0.01(t)
					Nickel	---
					Nickel(T)	150
					Selenium	TVS
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See [for further details on applied standards35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

8. All lakes and reservoirs that are tributary to the North Fork of the Gunnison River and within the West Elk or Raggeds Wilderness areas.					
COGUNF08	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
OW	Agriculture				
	Aq Life Cold 1	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
		D.O. (spawning)	---	Beryllium	---
		pH	6.5 - 9.0	Cadmium	TVS(tr)
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
	Ammonia	TVS	TVS	Iron	WS
	Boron	---	0.75	Iron(T)	1000
	Chloride	---	250	Lead	TVS
	Chlorine	0.019	0.011	Lead(T)	50
	Cyanide	0.005	---	Manganese	TVS
	Nitrate	10	---	Mercury	0.01(t)
	Nitrite	0.05	---	Molybdenum(T)	150
	Phosphorus	---	0.025*	Nickel	TVS
	Sulfate	---	WS	Nickel(T)	100
	Sulfide	---	0.002	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See [for further details on applied standards35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

9. All lakes and reservoirs tributary to Muddy Creek, Paonia Reservoir, or Anthracite Creek. All lakes and reservoirs tributary to the North Fork of the Gunnison River from its inception at the confluence with Muddy Creek and Anthracite Creek to the confluence with the Gunnison River, and within national forest boundaries, excluding the specific listing in Segments 7 and 8. This segment includes Island Lake, Aspen Leaf Reservoir, Floating Lake, Tomahawk Reservoir, Dollar Lake, Lost Lake, Lost Lake Slough, Lake Irwin, Terror Creek Reservoir, Minnesota Reservoir, Beaver Reservoir, Lone Cabin Reservoir, Todd Reservoir, Holy Terror Reservoir (aka Eagle River Reservoir), Goodenough Reservoir, Dogfish Reservoir, Hilltop Reservoir, Willow Reservoir, Doughty Reservoir, Reynolds Reservoir, Hanson Reservoir, Bailey Reservoir, Owens Reservoir, Gray Reservoir, and Patterson Reservoirs.

COGUNF09	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 35.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		---	Chromium III(T)	50
		acute	chronic	---	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.025*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See [for further details on applied standards](#) 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

10. All lakes and reservoirs tributary to Roatcap Creek and Jay Creek from their sources to their confluences with the North Fork of the Gunnison River. All lakes and reservoirs tributary to Hubbard Creek, Terror Creek, Minnesota Creek, or Leroux Creek, and are not within national forest boundaries.

COGUNF10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CL		CL	Aluminum		---
	Recreation P	acute		chronic	Arsenic		340
	Water Supply	D.O. (mg/L)		---	Arsenic(T)		0.02
Qualifiers:		D.O. (spawning)		---	Beryllium		---
Other:		pH		6.5 - 9.0	Cadmium		TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)		---	Cadmium(T)		5.0
		E. Coli (per 100 mL)		---	Chromium III		---
				205	Chromium III(T)		TVS
					Chromium III(T)		50
					Chromium VI		TVS
					Copper		TVS
					Iron		---
					Iron(T)		1000
					Lead		TVS
					Lead(T)		50
					Manganese		TVS
					Mercury		---
					Molybdenum(T)		150
					Nickel		TVS
					Nickel(T)		---
					Selenium		TVS
					Silver		TVS
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See [for further details on applied standards35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

11. All lakes and reservoirs tributary to the North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Anthracite Creek to the confluence with the Gunnison River, and not within national forest boundaries, except for the specific listings in Segments 7, 9, and 10. This segment includes Roeber Reservoir.

COGUNF11	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See [for further details on applied standards35.6 for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

1. All tributaries to the Uncompahgre River, including all wetlands, which are within the Mt. Sneffels or Uncompahgre Wilderness Areas.							
COGUUN01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
2. Mainstem of the Uncompahgre River from the source (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.							
COGUUN02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation P	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	---	SSE†TVS
<div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div>		chlorophyll a (mg/m²)	---	150	Cadmium	SSE†TVS	---
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
					Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
			Manganese	TVS	TVS/WS		
			Mercury	---	0.01(t)		
			Molybdenum(T)	---	150		
			Nickel	TVS	TVS		
			Nickel(T)	---	100		
			Selenium	TVS	TVS		
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3a. Mainstem of the Uncompahgre River from a point immediately above the confluence with Red Mountain Creek to a point immediately above the confluence with Cascade Creek.						
COGUUN03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium	SSE*TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/2021					Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	TVS
		acute	chronic		Chromium VI	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	TVS
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	7438
		Nitrate	10	---	Lead(T)	TVS
		Nitrite	0.05	---	Manganese	50
		Phosphorus	---	---	Mercury	TVS
		Sulfate	---	WS	Molybdenum(T)	TVS/WS
		Sulfide	---	0.002	Nickel	---
					Nickel(T)	0.01(t)
					Selenium	150
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---
						TVS

*Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866)} \cdot (1.136672 \cdot (\ln(\text{hardness}) \cdot 0.041838))$
 *Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909)} \cdot (1.101672 \cdot (\ln(\text{hardness}) \cdot 0.041838))$

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3b. Mainstem of the Uncompahgre River from a point immediately above the confluence with Cascade Creek to a point immediately above the confluence with Dexter Creek.						
COGUUN03B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I*	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
		D.O. (spawning)	---	7.0	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
Other:		chlorophyll a (mg/m²)	---	150*	Cadmium	SSE*TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
Arsenic(chronic) = hybrid					Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	TVS
		Inorganic (mg/L)			Chromium VI	---
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	WS
		Chloride	---	250	Iron(T)	2971
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	150
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3c. Mainstem of the Uncompahgre River from a point immediately above the confluence with Dexter Creek to a point immediately below the confluence with Dallas Creek.							
COGUUN03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4). *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		pH	6.5 - 9.0	---	Cadmium	---	SSE*TVS
		chlorophyll a (mg/m²)	---	150*	Cadmium	SSE*TVS	---
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
					Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1793
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
			Selenium	TVS	TVS		
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3d. Mainstem of the Uncompahgre River from a point immediately below the confluence with Dallas Creek to the inlet of Ridgway Reservoir.						
COGUUN03D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (mg/m ²)	---	---	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
					Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	---	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 ~~for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3e. Mainstem of the Uncompahgre River from the outlet of Ridgway Reservoir to a point immediately above the outlet of the South Canal near Uncompahgre.						
COGUUN03E	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II*	CS-II* C	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838)) *Temperature = summer criteria apply from 4/1-11/15		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (mg/m²)	---	---	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 ~~for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3f. Mainstem of the Uncompahgre River from a point immediately above the outlet of the South Canal to a point immediately above the Highway 90 bridge in Montrose.						
COGUUN03F	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	SSE*TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/2021					Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

4a. Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Gunnison Road.						
COGUUN04A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.5	---	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4b. Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.						
COGUUN04B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation P	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.5	---	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

6a. Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.					
COGUUN06A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	Aluminum	---
	Recreation N	acute	chronic	Arsenic	340
Qualifiers:	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:	D.O. (spawning)	---	7.0	Beryllium	---
	pH	6.5 - 9.0	---	Cadmium	TVS
	chlorophyll a (mg/m ²)	---	150	Chromium III	TVS
	E. Coli (per 100 mL)	---	630	Chromium III(T)	---
				Chromium VI	TVS
	Inorganic (mg/L)		Copper	TVS	TVS
	acute	chronic	Iron(T)	---	1000
	Ammonia	TVS	TVS	Lead	TVS
	Boron	---	0.75	Manganese	TVS
	Chloride	---	---	Mercury	---
	Chlorine	0.019	0.011	Molybdenum(T)	---
	Cyanide	0.005	---	Nickel	TVS
	Nitrate	100	---	Selenium	TVS
	Nitrite	0.05	---	Silver	TVS
	Phosphorus	---	0.11	Uranium	---
	Sulfate	---	---	Zinc	TVS
	Sulfide	---	0.002		

6b. Mainstem of Red Mountain Creek from immediately above the confluence with the East Fork of Red Mountain Creek to the confluence with the Uncompahgre River. All tributaries to Red Mountain Creek within Corkscrew and Champion basins.					
COGUUN06B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Recreation N			Aluminum	---
Qualifiers:		acute	chronic	Arsenic	---
Other:	D.O. (mg/L)	---	3.0	Beryllium	---
	pH	ambient	---	Cadmium	---
	chlorophyll a (mg/m ²)	---	---	Chromium III	---
	E. Coli (per 100 mL)	---	630	Chromium VI	---
	Inorganic (mg/L)		Copper	---	---
	acute	chronic	Iron	---	---
	Ammonia	---	---	Lead	---
	Boron	---	---	Manganese	---
	Chloride	---	---	Mercury	---
	Chlorine	---	---	Molybdenum(T)	---
	Cyanide	---	---	Nickel	---
	Nitrate	---	---	Selenium	---
	Nitrite	---	---	Silver	---
	Phosphorus	---	---	Uranium	---
	Sulfate	---	---	Zinc	---
	Sulfide	---	---		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 [for further details on applied standards for details on TVS, TVS\(tr\), TVS\(sc\), WS, temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

7. Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.						
COGUUN07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation P	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	205	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

8. Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.						
COGUUN08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation P	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0
					Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	---
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	---
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

9. Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek. Mainstem and all tributaries of Sneffels Creek from a point 1.5 miles above its confluence with Imogene Creek at 37.974979, -107.753960 (WGS84) to its confluence with Imogene Creek. Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and Sneffels Creek to the confluence with the Uncompahgre River.

COGUUN09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Fish Ingestion		D.O. (spawning)	---	7.0	Beryllium	---	---
<div>Other:</div> <div>$\text{Cadmium(acute)} = e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866)} \cdot (1.136672 \cdot (\ln(\text{hardness}) \cdot 0.041838))$</div> <div>$\text{Cadmium(chronic)} = e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909)} \cdot (1.101672 \cdot (\ln(\text{hardness}) \cdot 0.041838))$</div>		pH	6.5 - 9.0	---	Cadmium	---	SSE*TVS
		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS	---
		E. Coli (per 100 mL)	---	205	Chromium III	TVS	TVS
					Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	---	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS	TVS

10a. All tributaries to the Uncompahgre River, including all wetlands, from a point immediately below the confluence with Dexter Creek to the South Canal near Uncompahgre, except for specific listings in Segments 1, 10b, and 11.

COGUUN10A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation P	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS	
Expiration Date of 12/31/2021					Chromium III(T)	50	---	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.11*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS/TVS(sc)	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

10b. Mainstem of Kettle Gulch from the road crossing at 38.101201, -107.75949 to the County Road 23 crossing.

COGUUN10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11*	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS/TVS(sc)
		Sulfide	---	0.002			

11. Mainstem of Coal Creek from the source to the Park Ditch, mainstem of Dallas Creek from the source of the East and West Forks to the confluence with the Uncompahgre River; mainstem of Cow Creek from the Uncompahgre Wilderness Area boundary to a point immediately below the confluence with Nate Creek, tributaries to Cow Creek from the Uncompahgre Wilderness Area boundary to the confluence with the Uncompahgre River; mainstems of Billy Creek, Onion Creek and Beaton Creek from their sources to their confluences with Uncompahgre River; mainstem of Beaver Creek from the source to the confluence with the East Fork of Dallas Creek; and mainstem of Pleasant Valley Creek from the source to the confluence with Dallas Creek.

COGUUN11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation P	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

12. All tributaries to the Uncompahgre River, including all wetlands, from the South Canal near Uncompahgre to the confluence with the Gunnison River, except for specific listings in Segments 13, 14, 15a and 15b.

COGUUN12	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 1	Temperature °C	WS-II	Aluminum	---
	Recreation P	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	TVS
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	---
		Ammonia	TVS	Chromium VI	TVS
		Boron	---	Copper	TVS
		Chloride	---	Iron	---
		Chlorine	0.019	Iron(T)	1400
		Cyanide	0.005	Lead	TVS
		Nitrate	10	Lead(T)	50
		Nitrite	0.05	Manganese	TVS
		Phosphorus	---	Mercury	0.01(t)
		Sulfate	---	Molybdenum(T)	---
		Sulfide	---	Nickel	TVS
				Nickel(T)	---
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

13a. Mainstem of East Fork Dry Creek and Pryor Creek from their sources to the national forest boundary; West Fork Dry Creek from its source to its confluence with East Fork Dry Creek; mainstem of West Fork Spring Creek and Middle Spring Creek from their sources to their confluence, and mainstem of Mexican Gulch from the source to the Section line dividing Section 19 and 30, T49N, R9W.

COGUUN13A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	7.6
Other:		D.O. (spawning)	---	Beryllium	---
		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	Chromium III	TVS
		E. Coli (per 100 mL)	---	Chromium III(T)	100
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron(T)	1000
		Boron	---	Lead	TVS
		Chloride	---	Manganese	TVS
		Chlorine	0.019	Mercury	0.01(t)
		Cyanide	0.005	Molybdenum(T)	---
		Nitrate	100	Nickel	TVS
		Nitrite	0.05	Selenium	TVS
		Phosphorus	---	Silver	TVS(tr)
		Sulfate	---	Uranium	---
		Sulfide	---	Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

13b. Mainstem of East Fork Dry Creek from the national forest boundary to its confluence with West Fork Dry Creek. Pryor Creek from the national forest boundary to its confluence with East Fork Dry Creek. Mainstem of Spring Creek from the source to a point immediately below the confluence with Devinnny Canyon.

COGUUN13B Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation E	Temperature °C	CS-II CS-II	Aluminum	---
		acute	chronic	Arsenic	340 ---
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	---
Other:		D.O. (spawning)	---	Beryllium	---
		pH	6.5 - 9.0	Cadmium	TVS(†) TVS
		chlorophyll a (mg/m²)	---	Chromium III	TVS TVS
		E. Coli (per 100 mL)	---	Chromium III(T)	---
				Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
		acute	chronic	Iron(T)	---
		Ammonia	TVS	Lead	TVS TVS
		Boron	---	Manganese	TVS TVS
		Chloride	---	Mercury	---
		Chlorine	0.019	Molybdenum(T)	---
		Cyanide	0.005	Nickel	TVS TVS
		Nitrate	100	Selenium	TVS TVS
		Nitrite	0.05	Silver	TVS TVS(tr)
		Phosphorus	---	Uranium	---
		Sulfate	---	Zinc	TVS TVS
		Sulfide	---		

13c. Mainstem of Spring Creek from a point immediately below the confluence with Devinnny Canyon to Popular Road at the mouth of Spring Canyon.

COGUUN13C Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-II CS-II	Aluminum	---
		acute	chronic	Arsenic	340 ---
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	---
Other:		D.O. (spawning)	---	Beryllium	---
		pH	6.5 - 9.0	Cadmium	TVS(†) TVS
		chlorophyll a (mg/m²)	---	Cadmium(T)	5.0 ---
		E. Coli (per 100 mL)	---	Chromium III	TVS TVS
				Chromium III(T)	---
		Inorganic (mg/L)		Chromium VI	TVS TVS
		acute	chronic	Copper	TVS TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	---
		Chloride	---	Lead	TVS TVS
		Chlorine	0.019	Lead(T)	50 ---
		Cyanide	0.005	Manganese	TVS TVS/WS
		Nitrate	10	Mercury	---
		Nitrite	0.05	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS TVS
				Silver	TVS TVS(tr)
				Uranium	---
				Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

14. East and West Forks of Horsefly Creek, including all tributaries and wetlands, from their sources to a point immediately above their confluence. Happy Canyon Creek, including all tributaries and wetlands, from the source to the most downstream national forest boundary.

COGUUN14	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2 Recreation P	Temperature °C	CS-II	Aluminum	---
Qualifiers:		acute	chronic	Arsenic	340
Other:		D.O. (mg/L)	---	Arsenic(T)	100
		D.O. (spawning)	---	Beryllium	---
		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	Chromium III	TVS
		E. Coli (per 100 mL)	---	Chromium III(T)	100
				Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron(T)	---
		Ammonia	TVS	Lead	TVS
		Boron	---	Manganese	TVS
		Chloride	---	Mercury	---
		Chlorine	0.019	Molybdenum(T)	---
		Cyanide	0.005	Nickel	TVS
		Nitrate	100	Selenium	TVS
		Nitrite	0.5	Silver	TVS(tr)
		Phosphorus	---	Uranium	---
		Sulfate	---	Zinc	TVS
		Sulfide	---		

15a. Mainstem of Happy Canyon from a point immediately below the West Canal to the confluence with the Uncompahgre River; mainstem of Horsefly Creek from a point immediately below the confluence with Wildcat Canyon to the confluence with the Uncompahgre River.

COGUUN15A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1 Recreation P	Temperature °C	WS-II	Aluminum	---
Qualifiers:		acute	chronic	Arsenic	340
Other:		D.O. (mg/L)	---	Arsenic(T)	7.6
		pH	6.5 - 9.0	Beryllium	---
		chlorophyll a (mg/m ²)	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	100
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	---	Iron(T)	---
		Chloride	---	Lead	TVS
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury	---
		Nitrate	100	Molybdenum(T)	---
		Nitrite	0.5	Nickel	TVS
		Phosphorus	---	Selenium	TVS
		Sulfate	---	Silver	TVS
		Sulfide	---	Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

15b. Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.								
COGUUN15B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Other:		D.O. (spawning)	---	7.0	Beryllium	---		
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100	
					Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury	---	0.01(t)	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.5	---	Silver	TVS	TVS(tr)	
		Phosphorus	---	0.11	Uranium	---	---	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				
		16. All lakes and reservoirs tributary to the Uncompahgre River and within the Mt. Sneffels or Uncompahgre Wilderness Areas.						
		COGUUN16	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/50	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

16. All lakes and reservoirs tributary to the Uncompahgre River and within the Mt. Sneffels or Uncompahgre Wilderness Areas.								
COGUUN16	Classifications	Physical and Biological		Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic			
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/50	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

17. All lakes and reservoirs tributary to the Uncompahgre River from the source to a point immediately below the confluence with Dexter Creek, except for specific listings in Segment 16. This segment includes Lake Como, Ptarmigan Lake, Crystal Lake, and Lake Lenore.

COGUUN17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CL		CL	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02-10 ^A
Qualifiers:		D.O. (mg/L)		---	6.0		---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)		---	7.0		---
		pH		6.5 - 9.0	---		---
		chlorophyll a (ug/L)		---	8*		---
		E. Coli (per 100 mL)		---	126		---
		Inorganic (mg/L)			TVS(tr)		TVS
		acute		chronic	5.0		---
		Ammonia		TVS	TVS		TVS
		Boron		---	0.75		1000
		Chloride		---	250		---
		Chlorine		0.019	0.011		---
		Cyanide		0.005	---		TVS/WS
		Nitrate		10	---		0.01(t)
		Nitrite		0.05	---		150
		Phosphorus		---	0.025*		TVS
		Sulfate		---	WS		TVS
		Sulfide		---	0.002		100
					Selenium		TVS
					Silver		TVS(tr)
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

18. All lakes and reservoirs tributary to the Uncompahgre River from a point immediately below the confluence with Dexter Creek to a point immediately below the South Canal near Uncompahgre, excluding the listings in Segment 16 and 19. All lakes and reservoirs tributary to the East Fork of Dry Creek or the West Fork of Dry Creek from their sources to their confluence. This segment includes Black Lake, Blue Lakes, Ulah Brown Spring, Lake Otonawanda, West Lake, Dry Lake, Elephant Reservoir, Buckhorn Lakes, Silesca Pond and Olathe Reservoirs 1 and 2.

COGUUN18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Lake Otonawanda only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Classification: DUWS applies to Lake Otonawanda only.
 *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

19. Ridgway Reservoir.																																																																															
COGUUN19	Classifications	Physical and Biological			Metals (ug/L)																																																																										
Designation	Agriculture	DM	MWAT	acute		chronic																																																																									
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---																																																																									
	Recreation E	acute	chronic		Arsenic	340																																																																									
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---																																																																									
Other:		D.O. (spawning)	---	7.0	Beryllium	---																																																																									
		pH	6.5 - 9.0	---	Cadmium	TVS <tr><td>chlorophyll a (ug/L)</td><td>---</td><td>---</td><td>Chromium III</td><td>TVS</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium III(T)</td><td>---</td></tr> <tr><td colspan="2"></td><td>Chromium VI</td><td>TVS</td></tr> <tr><td colspan="2">Inorganic (mg/L)</td><td>Copper</td><td>TVS</td></tr> <tr><td colspan="2">acute</td><td>chronic</td><td>Iron(T)</td><td>---</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Manganese</td><td>TVS</td></tr> <tr><td>Chloride</td><td>---</td><td>---</td><td>Mercury</td><td>---</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Molybdenum(T)</td><td>---</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Nickel</td><td>TVS</td></tr> <tr><td>Nitrate</td><td>100</td><td>---</td><td>Selenium</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Silver</td><td>TVS</td></tr> <tr><td>Phosphorus</td><td>---</td><td>---</td><td>Uranium</td><td>---</td></tr> <tr><td>Sulfate</td><td>---</td><td>---</td><td>Zinc</td><td>TVS</td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td></td><td></td></tr>	chlorophyll a (ug/L)	---	---	Chromium III	TVS	E. Coli (per 100 mL)	---	126	Chromium III(T)	---			Chromium VI	TVS	Inorganic (mg/L)		Copper	TVS	acute		chronic	Iron(T)	---	Ammonia	TVS	TVS	Lead	TVS	Boron	---	0.75	Manganese	TVS	Chloride	---	---	Mercury	---	Chlorine	0.019	0.011	Molybdenum(T)	---	Cyanide	0.005	---	Nickel	TVS	Nitrate	100	---	Selenium	TVS	Nitrite	0.05	---	Silver	TVS	Phosphorus	---	---	Uranium	---	Sulfate	---	---	Zinc	TVS	Sulfide	---	0.002		
		chlorophyll a (ug/L)	---	---	Chromium III	TVS																																																																									
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---																																																																									
				Chromium VI	TVS																																																																										
		Inorganic (mg/L)		Copper	TVS																																																																										
		acute		chronic	Iron(T)	---																																																																									
		Ammonia	TVS	TVS	Lead	TVS																																																																									
		Boron	---	0.75	Manganese	TVS																																																																									
		Chloride	---	---	Mercury	---																																																																									
		Chlorine	0.019	0.011	Molybdenum(T)	---																																																																									
		Cyanide	0.005	---	Nickel	TVS																																																																									
		Nitrate	100	---	Selenium	TVS																																																																									
		Nitrite	0.05	---	Silver	TVS																																																																									
		Phosphorus	---	---	Uranium	---																																																																									
		Sulfate	---	---	Zinc	TVS																																																																									
		Sulfide	---	0.002																																																																											
20. Sweitzer Lake (a.k.a. Garnet Mesa Reservoir).																																																																															
COGUUN20	Classifications	Physical and Biological			Metals (ug/L)																																																																										
Designation	Agriculture	DM	MWAT	acute		chronic																																																																									
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---																																																																									
	Recreation E	acute	chronic		Arsenic	340																																																																									
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---																																																																									
Other:		pH	6.5 - 9.0	---	Beryllium	---																																																																									
		chlorophyll a (ug/L)	---	20*	Cadmium	TVS																																																																									
		E. Coli (per 100 mL)	---	126	Chromium III	TVS																																																																									
		Inorganic (mg/L)		Chromium III(T)	---																																																																										
		acute		chronic	Chromium VI	TVS																																																																									
		Ammonia	TVS	TVS	Copper	TVS																																																																									
		Boron	---	0.75	Iron(T)	---																																																																									
		Chloride	---	---	Lead	TVS																																																																									
		Chlorine	0.019	0.011	Manganese	TVS																																																																									
		Cyanide	0.005	---	Mercury	---																																																																									
		Nitrate	100	---	Molybdenum(T)	---																																																																									
		Nitrite	0.5	---	Nickel	TVS																																																																									
		Phosphorus	---	0.083*	Selenium	TVS																																																																									
		Sulfate	---	---	Silver	TVS																																																																									
		Sulfide	---	0.002	Uranium	---																																																																									
					Zinc	TVS																																																																									

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

21. All lakes and reservoirs tributary to the Uncompahgre River from a point immediately below the South Canal near Uncompahgre to the confluence with the Gunnison River, excluding the listings in Segments 18, 20, and 22.

COGUUN21	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 2	WL	WL	Aluminum	---
	Recreation P	acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	100
Fish Ingestion		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (ug/L)	20*	Cadmium	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	205	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	100
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury	---
		Nitrate	100	Molybdenum(T)	150
		Nitrite	0.05	Nickel	TVS
		Phosphorus	0.083*	Selenium	TVS
		Sulfate	---	Silver	TVS
		Sulfide	0.002	Uranium	---
				Zinc	TVS

22. Fairview Reservoir.

COGUUN22	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 2	WL	WL	Aluminum	---
	Recreation P	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
	DUWS*	pH	6.5 - 9.0	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	20*	Cadmium	TVS
Other:		E. Coli (per 100 mL)	205	Cadmium(T)	5.0
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Fairview Reservoir only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)		Chromium III	TVS
		acute	chronic	Chromium III(T)	100
		Ammonia	TVS	Chromium VI	TVS
		Boron	---	Copper	TVS
		Chloride	250	Iron	WS
		Chlorine	0.019	Iron(T)	1000
		Cyanide	0.005	Lead	TVS
		Nitrate	10	Lead(T)	50
		Nitrite	0.05	Manganese	TVS
		Phosphorus	0.083*	Mercury	0.01(t)
		Sulfate	WS	Molybdenum(T)	150
		Sulfide	0.002	Nickel	TVS
				Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

1. Mainstem of the Gunnison River from the outlet of Crystal Reservoir to Highway 65 (38.772574, -108.002634).						
COGULG01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS/TVS(sc)
2. Mainstem of the Gunnison River from Highway 65 (38.772574, -108.002634) to the confluence with the Colorado River.						
COGULG02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2021		acute	chronic		Chromium III(T)	50
Selenium(chronic) = current conditions		Ammonia	TVS	TVS	Chromium VI	TVS
Expiration Date of 12/31/2022		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	480	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

3. All tributaries to the Gunnison River, including all wetlands, which are within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork Gunnison River sub-basin, Uncompahgre River sub-basins, and Segments 10, 11a, 11b, and 12.

COGULG03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr),

TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

4a. All tributaries to the Gunnison River, including all wetlands which are not within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork of the Gunnison River sub-basin, the Uncompahgre River sub-basin, and in Segments 3, 4b, 4c, 5a, 5b, 6a, 6b, 6c, 7, 8a, 8b, 10 and 12.

COGULG04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation P	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

4b. All tributaries to Reeder, Hollenbeck, and Juniata Reservoirs, and the mainstem of Kannah Creek below the point of diversion for public water supply (38.961321, -108.229830).						
COGULG04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	0.5	---	Manganese	TVS/WS
		Phosphorus	---	0.17	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4c. Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.						
COGULG04C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	0.5	---	Manganese	TVS/WS
		Phosphorus	---	0.17	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

5a. Mainstem of North Fork Escalante Creek from the national forest boundary to the confluence with Escalante Creek.						
COGULG05A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	TVS
					Uranium(T)	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

5b. Mainstem of Roubideau Creek from the national forest boundary to the confluence with Potter Creek; mainstem of Monitor Creek from the national forest boundary to the confluence with Potter Creek, Potter Creek from Monitor Creek to the confluence with Roubideau Creek.

COGULG05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

6a. Mainstem of Escalante Creek from the national forest boundary to the Delta/Montrose County line (38.668215, -108.328144); mainstem of Little Dominguez from the national forest boundary to Big Dominguez Creek; mainstem of Big Dominguez from the national forest boundary to the Gunnison River.

COGULG06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C		CS-II	CS-II	Aluminum	---
	Recreation E	acute		chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0		Arsenic(T)	7.6
Other:		D.O. (spawning)	---	7.0		Beryllium	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		pH	6.5 - 9.0	---		Cadmium	TVS(†)
		chlorophyll a (mg/m ²)	---	150*		Chromium III	TVS
		E. Coli (per 100 mL)	---	126		Chromium III(T)	100
		Inorganic (mg/L)				Chromium VI	TVS
		acute		chronic		Copper	TVS
		Ammonia	TVS	TVS		Iron(T)	1000
		Boron	---	0.75		Lead	TVS
		Chloride	---	---		Manganese	TVS
		Chlorine	0.019	0.011		Mercury	0.01(t)
		Cyanide	0.005	---		Molybdenum(T)	150
		Nitrate	100	---		Nickel	TVS
		Nitrite	0.05	---		Selenium	TVS
		Phosphorus	---	0.11*		Silver	TVS(tr)
		Sulfate	---	---		Uranium	TVS
		Sulfide	---	0.002		Uranium(T)	16.8-30 ^A
						Zinc	TVS

06b. Mainstem of Roubideau Creek from Potter Creek to the Gunnison River. Mainstem of East Creek from the source to the Gunnison River.

COGULG06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C		WS-II	WS-II	Aluminum	---
	Recreation E	acute		chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0		Arsenic(T)	7.6
Other:		pH	6.5 - 9.0	---		Beryllium	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		chlorophyll a (mg/m ²)	---	150*		Cadmium	TVS
		E. Coli (per 100 mL)	---	126		Chromium III	TVS
		Inorganic (mg/L)				Chromium III(T)	100
		acute		chronic		Chromium VI	TVS
		Ammonia	TVS	TVS		Copper	TVS
		Boron	---	0.75		Iron(T)	1000
		Chloride	---	---		Lead	TVS
		Chlorine	0.019	0.011		Manganese	TVS
		Cyanide	0.005	---		Mercury	0.01(t)
		Nitrate	100	---		Molybdenum(T)	150
		Nitrite	0.05	---		Nickel	TVS
		Phosphorus	---	0.17*		Selenium	TVS
		Sulfate	---	---		Silver	TVS
		Sulfide	---	0.002		Uranium	TVS
						Uranium(T)	16.8-30 ^A
						Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

06c. Mainstem of Escalante Creek from the Delta/Montrose County line (38.668215, -108.328144) to the Gunnison River.							
COGULG06C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other:		chlorophyll a (mg/m²)	---	150	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	TVS	TVS
		acute			Chromium III(T)	---	100
		chronic			Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

7a. Mainstem of Ward Creek, from the national forest boundary to the confluence with Dirty George Creek.							
COGULG07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation P	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute			Chromium VI	TVS	TVS
		chronic			Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

7a. Mainstem of Ward Creek, from the national forest boundary to the confluence with Dirty George Creek.							
COGULG07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

7b. Mainstem of Surface Creek from the point of diversion of water supply (38.965216, -107.876031) to the confluence with Tongue Creek; mainstem of Tongue Creek from its inception at the confluence of Ward Creek and Dirty George Creek to the confluence with the Gunnison River; mainstem of Youngs Creek from the national forest boundary to the confluence with Kiser Creek; mainstem of Kiser Creek from the national forest boundary to the confluence with Ward Creek.

COGULG07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation P	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

8a. Mainstem of Surface Creek, including all tributaries, from the national forest boundary to the point of diversion for public water supply (38.965216, -107.876031).

COGULG08A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	varies*
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr),

TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

8b. Mainstem of Kannah Creek, including all tributaries, from the national forest boundary to the point of diversion for public water supply (38.961321, -108.229830).						
COGULG08B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*Manganese(chronic) = WS, TVS and 1000 ug/L		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
			Zinc	TVS		

9. Fruitgrowers Reservoir.

COGULG09	Classifications		Physical and Biological			Metals (ug/L)					
Designation	Agriculture		DM		MWAT	acute		chronic			
UP	Aq Life Warm 2		Temperature °C	WL	WL	Aluminum	---	---			
	Recreation E 4/1 - 10/31		acute		chronic	Arsenic	340	---			
	Recreation P 11/1 - 3/31		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6			
Qualifiers:			pH	6.5 - 9.0	---	Beryllium	---	---			
Fish Ingestion			chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS			
Other:			E. Coli (per 100 mL)	4/1 - 10/31	---	126	Chromium III	TVS	TVS		
			E. Coli (per 100 mL)	11/1 - 3/31	---	205	Chromium III(T)	---	100		
								Chromium VI	TVS	TVS	
						Inorganic (mg/L)		Copper	TVS	TVS	
						acute		chronic	Iron(T)	---	1000
			Ammonia		TVS	TVS	Lead	TVS	TVS		
			Boron		---	0.75	Manganese	TVS	TVS		
			Chloride		---	---	Mercury	---	0.01(t)		
			Chlorine		0.019	0.011	Molybdenum(T)	---	150		
			Cyanide		0.005	---	Nickel	TVS	TVS		
			Nitrate		100	---	Selenium	TVS	TVS		
			Nitrite		0.05	---	Silver	TVS	TVS		
			Phosphorus		---	---	Uranium	---	---		
			Sulfate		---	---	Zinc	TVS	TVS		
			Sulfide		---	0.002					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 [for further details on applied standards for details on TVS, TVS\(tr\), TVS\(sc\), WS-temperature standards.](#)

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

10. Mainstem of the Smith Fork from the confluence of the North Smith Fork and South Smith Fork to the confluence with the Gunnison River.						
COGULG10	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

11a. All tributaries to the Smith Fork, including all wetlands, which are within national forest boundaries except for specific listings in Segment 11b; Doug Creek from the source to the confluence with Muddy Creek.

COGULG11A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

11b. All tributaries to the Smith Fork, including all wetlands, which are within the West Elk Wilderness Area.

COGULG11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

12. All tributaries to the Smith Fork, including all wetlands, which are not within national forest boundaries, except for the specific listing in Segment 11a.

COGULG12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation P	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
					Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

13. Crawford Reservoir.						
COGULG13	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
	Inorganic (mg/L)			Chromium III(T)	---	100
	acute	chronic	Chromium VI	TVS	TVS	
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	150
	Nitrite	0.05	---	Nickel	TVS	TVS
	Phosphorus	---	0.083*	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
			Zinc	TVS	TVS	
14. All lakes and reservoirs tributary to the Gunnison River, from the outlet of Crystal Reservoir to the confluence with the Colorado River, and within national forest boundaries, excluding listings in the North Fork of the Gunnison River sub-basin, the Uncompahgre River sub-basin, and Segments 15, 17 and 18. This segment includes Trickle Reservoir, Hale Reservoir, Marcott Park Reservoir, Cherry Lane Reservoir, Cole Reservoirs, Cedar Mesa Reservoir, Kehmeier Reservoir, Weir and Johnson Reservoir, Bonita Reservoir, Blanche Park Reservoir, Vela Reservoir, Knox Reservoir, Military Park Reservoir, Eureka Park Reservoir, Carbonate Park Reservoirs, Prebble Reservoir, Youngs Creek Reservoirs, Kiser Reservoir, Donnelly Reservoir, Kiser Slough Reservoir, Baron Lake, Upper Eggleston Lake, Upper Hotel Lake, Hotel Lake, Arch Slough, Alexander Lake, Deep Ward Lake, Kennicott Slough Reservoir, Womack Reservoirs, Deep Slough Reservoir, Scotland Peak Reservoir, Boulder Lake Reservoir, Basin Reservoir 1, Clear Lake, Granby Reservoirs, Dugger Reservoir, Carson Lake, Crane Lake, Flowing Park, Blue Lake, Chambers Reservoir, Scales Lakes, Grand Mesa Reservoirs, Anderson Reservoirs, Bolen Reservoir, Bolen-Anderson-Jacobs Reservoir 2, Hollenbeck Reservoir 2, Cliff Lake Reservoir, Lee Reservoirs, Lone Pine Reservoirs, Bullfrog Reservoir, Twin Lake, Harry White Reservoirs, Beaver Dam Reservoir, and Fruita Reservoirs 1 and 2.						
COGULG14	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.	pH	6.5-9.0	---	Cadmium	TVS(tr)	TVS
	chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
	E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
	Inorganic (mg/L)			Chromium III(T)	50	---
	acute	chronic	Chromium VI	TVS	TVS	
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron	---	WS
	Chloride	---	250	Iron(T)	---	1000
	Chlorine	0.019	0.011	Lead	TVS	TVS
	Cyanide	0.005	---	Lead(T)	50	---
	Nitrate	10	---	Manganese	TVS	TVS/WS
	Nitrite	0.05	---	Mercury	---	0.01(t)
	Phosphorus	---	0.025*	Molybdenum(T)	---	150
	Sulfate	---	WS	Nickel	TVS	TVS
	Sulfide	---	0.002	Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS(tr)
				Uranium	---	---
			Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

15. Island Lake, Eggleston Lake, and Trickle Park Reservoir (aka Park Reservoir).						
COGULG15	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5-9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
					Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(tr)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

16. All lakes and reservoirs that are tributary to the Gunnison River, from the outlet of Crystal Reservoir to the confluence with the Colorado River, and not within national forest boundaries, excluding the listings in the North Fork of the Gunnison sub-basin, the Uncompahgre River sub-basin, and Segments 9, 13, and 19. This segment includes Poison Springs Reservoir, Dry Fork Reservoir, Delta Reservoir, Winkler Reservoir, Desert Reservoir, Alkali Reservoir, Cheney Reservoir, Juniata Reservoir, Hallenbeck Reservoir, Reeder Reservoir, Enochs Lake, Gobbo Reservoir, Schrader Reservoir, and King Reservoir.

COGULG16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Hallenbeck and Juniata Reservoirs only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
			Uranium	---	---		
			Zinc	TVS	TVS		

*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.
 *Classification: DUWS applies to Hallenbeck and Juniata Reservoirs only.
 *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

17. All lakes and reservoirs tributary to the Smith Fork, and within national forest boundaries excluding the listings in Segment 18. All lakes and reservoirs tributary to Doug Creek.						
COGULG17	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
		18. All lakes and reservoirs tributary to the Smith Fork, and are within the West Elk Wilderness Area.				
COGULG18	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

```
tr = trout
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sc = sculpin
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D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr).

~~TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

19. All lakes and reservoirs tributary to the Smith Fork, which are not within national forest boundaries, excluding the listings in Segment 17. This segment includes Gould Reservoir.							
COGULG19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	
	Recreation P	acute		chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
<div>Other:</div> <div>*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div> <div>*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div>		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	
		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

1. All tributaries, including wetlands, to the San Miguel River that are within the boundaries of the Lizard Head or Mount Sneffels Wilderness Areas.							
COGUSM01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
		acute	chronic	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E				Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

2. All tributaries and wetlands, to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, except for specific listings in Segments 1, 6a, 6b, 7 and 8.

COGUSM02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		pH	6.5 - 9.0	---	Cadmium	---	SSE*TVS
		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS	---
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
					Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 ~~for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

3a. Mainstem of the San Miguel River from its inception at the confluence of Bridal Veil and Ingram Creeks to a point immediately above the confluence of Marshall Creek.						
COGUSM03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	7.6
Other:		D.O. (spawning)	---	7.0	Beryllium	---
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	100
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron(T)	1000
		Boron	---	0.75	Lead	TVS
		Chloride	---	---	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	150
		Nitrate	100	---	Nickel	TVS
		Nitrite	0.05	---	Selenium	TVS
		Phosphorus	---	0.11	Silver	---
		Sulfate	---	---	Uranium	---
		Sulfide	---	0.002	Zinc	190

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 ~~for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

3b. Mainstem of the San Miguel River from a point immediately above the confluence of Marshall Creek to a point immediately above the confluence of the South Fork San Miguel River.							
COGUSM03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:	pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorganic (mg/L) Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate Sulfide	pH	6.5 - 9.0	---	Cadmium	---	
						SSE*TVS	
		chlorophyll a (mg/m²)	---	150*	Cadmium	SSE*TVS	---
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
					Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	---	TVS
		Boron	---	0.75	Copper	---	---
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.11*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
			Uranium	---	---		
			Zinc	---	190		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

4a. Mainstem of the San Miguel River from a point immediately above the confluence of the South Fork of the San Miguel River to a point immediately below the CC ditch.								
COGUSM04A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---		
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†r)		
		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0		
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	
		4b. Mainstem of the San Miguel River from a point immediately below the CC ditch to a point immediately below the confluence of Naturita Creek.						
		COGUSM04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Warm 1	Temperature °C	11/1 - 2/29	13	9	Aluminum	---	
	Recreation E	Temperature °C	3/1 - 10/31	30.9	23.3	Arsenic	340	
	Water Supply				Arsenic(T)	---	0.02	
Qualifiers:		acute	chronic	Beryllium	---	---		
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		D.O. (mg/L)	---	5.0	Cadmium	TVS		
		pH	6.5 - 9.0	---	Cadmium(T)	5.0		
		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.5	---	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

5a. Mainstem of the San Miguel River from a point immediately below the confluence of Naturita Creek to a point immediately below the confluence of Coal Canyon.						
COGUSM05A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	0.5	---	Manganese	TVS
		Phosphorus	---	---	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Uranium(T)	16.8-30 ^A
					Zinc	TVS
5b. Mainstem of the San Miguel River from a point immediately below the confluence of Coal Canyon to its confluence with the Dolores River.						
COGUSM05B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	7.6
Other:		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	100
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	0.01(t)
		Nitrate	100	---	Molybdenum(T)	150
		Nitrite	0.5	---	Nickel	TVS
		Phosphorus	---	---	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Uranium(T)	16.8-30 ^A
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 [for further details on applied standards](#)for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

7. Mainstem of Howard Fork and including tributaries and wetlands, from a point immediately below the confluence of Swamp Gulch to its confluence with the South Fork of the San Miguel River.						
COGUSM07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
8. Mainstem of the South Fork of the San Miguel River from its inception at the confluence of the Howard and Lake Forks to its confluence with the San Miguel River.						
COGUSM08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

9. All tributaries to the San Miguel River, including all wetlands, from a point immediately below the confluence of Leopard Creek to the Dolores River that are within the boundaries of the Uncompahgre National Forest, except for the listings in Segment 10a.

COGUSM09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

10a. Mainstem of Tabeguache Creek from its source to the Uncompahgre National Forest boundary.

COGUSM10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/75
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr),

TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

10b. Mainstem of Naturita Creek and Tabeguache Creek from the point it exits the Uncompahgre National Forest at the most downstream boundary to the confluence with the San Miguel River.

COGUSM10B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	50
		Ammonia	TVS	Chromium VI	TVS
		Boron	---	Copper	TVS
		Chloride	---	Iron	---
		Chlorine	0.019	Iron(T)	1000
		Cyanide	0.005	Lead	TVS
		Nitrate	10	Lead(T)	50
		Nitrite	0.05	Manganese	TVS
		Phosphorus	---	Mercury	0.01(t)
		Sulfate	---	Molybdenum(T)	---
		Sulfide	---	Nickel	TVS
				Nickel(T)	---
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

11a. All tributaries to Miramonte Reservoir and West Naturita Creek from their sources to the Uncompahgre National Forest Boundary below Miramonte Reservoir. The mainstems of Beaver and Horsefly Creeks from the Uncompahgre National Forest boundary to their confluences with the San Miguel River.

COGUSM11A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	7.6
Other:		D.O. (spawning)	---	Beryllium	---
		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	Chromium III	TVS
		E. Coli (per 100 mL)	---	Chromium III(T)	100
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron(T)	1000
		Boron	---	Lead	TVS
		Chloride	---	Manganese	TVS
		Chlorine	0.019	Mercury	0.01(t)
		Cyanide	0.005	Molybdenum(T)	---
		Nitrate	100	Nickel	TVS
		Nitrite	0.05	Selenium	TVS
		Phosphorus	---	Silver	TVS
		Sulfate	---	Uranium	---
		Sulfide	---	Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

11b. Mainstem of Saltado Creek from the Uncompahgre National Forest boundary to the confluence with the San Miguel River.

COGUSM11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E	Temperature °C	CS-I	CS-I	Aluminum	---	---
		acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

12a. All tributaries and wetlands to Naturita Creek. All tributaries and wetlands to the San Miguel River from a point immediately below the confluence with Leopard Creek to a point immediately above Horsefly Creek. This segment excludes the listings in Segments 9, 11a, 11b, 12b, and 12c.

COGUSM12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E Water Supply	Temperature °C	CS-II	CS-II	Aluminum	---	---
		acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Water + Fish Standards		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

12b. All tributaries and wetlands to the San Miguel River from a point immediately above Horsefly Creek to the confluence with the Dolores River, excluding the listings in Segments 9, 11a, 12a, and 12c. Maverick Draw, including all tributaries and wetlands, from its source to the confluence with Naturita Creek.

COGUSM12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Warm 2 Recreation E Water Supply	DM	MWAT	acute	chronic		
UP		Temperature °C	WS-II	WS-II	Aluminum	---	---
		acute	chronic	Arsenic	340	---	
		D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
			Zinc	TVS	TVS		

12c. Mainstem of Calamity Draw from Lincoln Street in Nucla (38.264075, -108.555087) to the confluence with the San Miguel River.

COGUSM12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Fish Ingestion		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
Discharger Specific Variance(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Ammonia(acute) = TVS:no limit		Inorganic (mg/L)			Chromium III(T)	50	---
Ammonia(chronic) = TVS:13.8 mg/L 11/1 - 4/30			acute	chronic	Chromium VI	TVS	TVS
Ammonia(chronic) = TVS:8.3 mg/L 5/1 - 10/31		Ammonia	TVS	TVS	Copper	TVS	TVS
Expiration Date of 12/31/2026		Boron	---	0.75	Iron(T)	---	1000
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4).		Chloride	---	250	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		Chlorine	0.019	0.011	Manganese	TVS	TVS
*Variance: Ammonia = see 35.6(4) for details.		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

13. All lakes and reservoirs tributary to the San Miguel River that are within the boundaries of the Lizard Head or Mount Sneffels Wilderness Areas.							
COGUSM13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		14. All lakes and reservoirs tributary to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, except for the specific listings in Segments 13, 15, 16, 17 and 20. This segment includes Lake Hope, Cushman Lake, Alta Lakes, Blue Lake, Mud Lake, and Woods Lake.					
COGUSM14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

15. All lakes and reservoirs tributary to Ingram Creek from the source to the confluence with the San Miguel River. This segment includes Ingram Lake.							
COGUSM15	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum		
	Recreation E	acute	chronic	Arsenic	340		
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)		
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Beryllium		
		pH	6.5 - 9.0	---	Cadmium	TVS	
		chlorophyll a (ug/L)	---	8*	Chromium III	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	100	
				Chromium VI	TVS	TVS	
		Inorganic (mg/L)		Copper	TVS	TVS	
				acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.025*	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
16. All lakes and reservoirs tributary to Marshall Creek from the source to the confluence with the San Miguel River. This segment includes Thorne Lake.							
COGUSM16	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum		
	Recreation E	acute	chronic	Arsenic	340		
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)		
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Beryllium		
		pH	6.5 - 9.0	---	Cadmium	TVS	
		chlorophyll a (ug/L)	---	8*	Chromium III	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	100	
				Chromium VI	TVS	TVS	
		Inorganic (mg/L)		Copper	TVS	TVS	
				acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.025*	Uranium	---	---
		Sulfate	---	---	Zinc	---	190
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

17. All lakes and reservoirs tributary to the Howard Fork from a point immediately below the confluence of Swamp Gulch to the confluence with the South Fork of the San Miguel River.

COGUSM17	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	7.6
Other:		D.O. (spawning)	---	Beryllium	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	Chromium III	TVS
		E. Coli (per 100 mL)	---	Chromium III(T)	100
				Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron(T)	1000
		Ammonia	TVS	Lead	TVS
		Boron	---	Manganese	TVS
		Chloride	---	Mercury	0.01(t)
		Chlorine	0.019	Molybdenum(T)	150
		Cyanide	0.005	Nickel	TVS
		Nitrate	100	Selenium	TVS
		Nitrite	0.05	Silver	TVS(tr)
		Phosphorus	---	Uranium	---
		Sulfate	---	Zinc	TVS
		Sulfide	---		

18. All lakes and reservoirs tributary to the San Miguel River from a point immediately below the confluence of Leopard Creek to the confluence with the Dolores River, and that are within Uncompahgre National Forest boundaries. This segment includes Hoffman Reservoir, Paxton Reservoir, and Hotchkiss Reservoir.

COGUSM18	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	TVS
				Chromium III(T)	50
				Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron	WS
		Ammonia	TVS	Iron(T)	1000
		Boron	---	Lead	TVS
		Chloride	---	Lead(T)	50
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury	0.01(t)
		Nitrate	10	Molybdenum(T)	150
		Nitrite	0.05	Nickel	TVS
		Phosphorus	---	Nickel(T)	100
		Sulfate	---	Selenium	TVS
		Sulfide	---	Silver	TVS(tr)
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

19. All lakes and reservoirs tributary to the San Miguel River from a point immediately below the confluence of Leopard Creek to the Dolores River, and not within Uncompahgre National Forest boundaries, excluding the listings in Segment 20. This segment includes Point Reservoir, Palmers Lake, Williams Reservoir, Town Reservoir, and Lilylands Reservoir.

COGUSM19	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Town Reservoir only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	1000
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.025*	Molybdenum(T)	150
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS San Miguel River Basin

20. Trout Lake, Gurley Reservoir, Cone Reservoir, and Miramonte Reservoir.

COGUSM20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	CLL	CLL	Temperature °C	---	---	
	Recreation E	acute	chronic		340	---	
	Water Supply	---	6.0	D.O. (mg/L)	---	0.02	
	DUWS*	---	7.0	D.O. (spawning)	---	---	
		6.5 - 9.0	---	pH	TVS(tr)	TVS	
Qualifiers:		---	8*	chlorophyll a (ug/L)	5.0	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Gurley Reservoir only. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		---	126	E. Coli (per 100 mL)	---	---	
		Inorganic (mg/L)			---	---	
		acute	chronic		TVS	TVS	
		TVS	TVS	Ammonia	---	WS	
		---	0.75	Boron	---	1000	
		---	250	Chloride	TVS	TVS	
		0.019	0.011	Chlorine	50	---	
		0.005	---	Cyanide	TVS	TVS/WS	
		10	---	Nitrate	---	0.01(t)	
		0.05	---	Nitrite	---	150	
		---	0.025*	Phosphorus	TVS	TVS	
		---	WS	Sulfate	---	100	
		---	0.002	Sulfide	TVS	TVS	
					TVS	TVS(tr)	
					---	---	
					TVS	TVS	
					---	---	
					TVS	TVS	
					---	---	
					TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards
~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

1a. Mainstem of the Dolores River from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to a point immediately above the confluence with Big Canyon Creek near Dove Creek.

COGULD01A	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture	DM		MWAT		acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/22	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	3/23 - 10/31	26.6	23.8	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:		acute		chronic		Beryllium	---	---
Other:		D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		D.O. (spawning)	---	7.0		Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---		Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---		Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126		Chromium VI	TVS	TVS
						Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
		acute		chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS		Lead	TVS	TVS
		Boron	---	0.75		Lead(T)	50	---
		Chloride	---	250		Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011		Mercury	---	0.01(t)
		Cyanide	0.005	---		Molybdenum(T)	---	150
		Nitrate	10	---		Nickel	TVS	TVS
		Nitrite	0.05	---		Nickel(T)	---	100
		Phosphorus	---	---		Selenium	TVS	TVS
		Sulfate	---	WS		Silver	TVS	TVS(tr)
		Sulfide	---	0.002		Uranium	TVS	---
						Uranium(T)	---	16.8-30 ^A
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

```
tr = trout
```

```
sc = sculpin
```

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr).

~~TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

1b. Mainstem of the Dolores River from a point immediately above the confluence with Big Canyon Creek near Dove Creek to a point immediately above the Highway 141 road crossing near Slick Rock.

COGULD01B	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply			DM	MWAT	acute		chronic
Reviewable		Temperature °C	11/1 - 3/22	CS-II	9.1	Aluminum	---	---
		Temperature °C	3/23 - 10/31	27.6	24.7	Arsenic	340	---
						Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)		---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		0.05	---	Nickel(T)	---	100
		Phosphorus		---	---	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS(tr)
		Sulfide		---	0.002	Uranium	TVS	---
						Uranium(T)	---	16.8-30 ^A
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

2. Mainstem of the Dolores River from the Highway 141 road crossing near Slick Rock to the Colorado/Utah border.							
COGULD02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

3a. All tributaries to the Dolores River, including all wetlands, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, except for specific listings in Segments 3b, 3c, 4, 5, and 6.

COGULD03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

3b. All tributaries to the Dolores River, including wetlands, that are within national forest boundaries, from the bridge at Bradfield Ranch (Forest Route 505, near the Montezuma/Dolores County Line) to the Colorado/Utah border, excluding the small area of Uncompahgre National Forest within the Disappointment Valley and the listings in Segments 3c and 5. Disappointment Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Morrison Creek.

COGULD03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	100	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	---	Uranium	TVS	TVS
		Sulfide	---	0.002	Zinc	TVS	TVS/TVS(sc)

3c. Mainstem and all tributaries to Salt Creek, including all wetlands from the source within the Sinbad Valley to the confluence with the Dolores River.

COGULD03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.5	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	6.6
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

4. Mainstem of West Paradox Creek from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. Mainstem and all tributaries to Blue Creek from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

COGULD04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

5. Mainstem of West Creek from the source to the confluence with the Dolores River. Roc Creek including all tributaries and wetlands from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. La Sal Creek, including all tributaries and wetlands, from the Utah/Colorado border to the confluence with the Dolores River. Mesa Creek, including all tributaries and wetlands, from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

COGULD05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium III(T)	50	---
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

6. North Fork of West Creek, including all tributaries and wetlands, from the source to the confluence with West Creek. Granite Creek, including all tributaries and wetlands, from the source the Colorado/Utah border.							
COGULD06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Beryllium(T)	---	100
		chlorophyll a (mg/m²)	---	150	Cadmium	TVS(†)	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
					Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

7. All lakes and reservoirs tributary to the Dolores River, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, and within national forest boundaries. This segment includes Long Park Reservoir, Cabin Reservoir, Beef Trail Reservoir, Dry Lake, Glade Lake, Glade Point Reservoir, Arrowhead Lake, Buckeye Reservoir, Black Pine Reservoir, Casto Reservoir, and Big Creek Reservoir.

COGULD07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.025*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for further details on applied standards
~~for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.~~

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

8. All lakes and reservoirs tributary to the Dolores River, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, and not within national forest boundaries.						
COGULD08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture UP Aq Life Warm 2 Recreation E		DM	MWAT	acute	chronic
		Temperature °C	WL	WL		
			acute	chronic		
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Arsenic(T)	100
		chlorophyll a (ug/L)	---	20*	Beryllium	---
		E. Coli (per 100 mL)	---	126	Cadmium	TVS
		Inorganic (mg/L)			Chromium III	TVS
			acute	chronic	Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	---	Iron(T)	1000
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	100	---	Mercury	0.01(t)
		Nitrite	0.5	---	Molybdenum(T)	---
		Phosphorus	---	0.083*	Nickel	TVS
		Sulfate	---	---	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for further details on applied standards
TVS(sc), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Reserved.
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.

Exhibit 6
Water Quality Control Division
Regulation #36

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 36 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR RIO GRANDE BASIN

5 CCR 1002-36

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

36.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 36-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (T)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$ pH equal to or greater than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ pH less than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is more stringent</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N) Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028(25 - T)})$ <p>Warm Water = (mg/l as N) Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$ $chronic (Apr 1 - Aug 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN(2.85, 1.45 * 10^{0.028(25 - T)})$ $chronic (Sep 1 - Mar 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028(25 - MAX(T, 7))}$
Cadmium	<p>Acute(warm)⁽⁵⁾ = $(1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.443)}$ Acute(cold)⁽⁵⁾ = $(1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.866)}$ Chronic = $(1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 * \ln(\text{hardness}) - 3.909)}$ Acute = $(1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.1485}$</p>

	$\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) \times (0.041838)]) \times e^{0.9151[\ln(\text{hardness})] - 3.6236}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) \times (0.041838)]) \times e^{0.7998[\ln(\text{hardness})] - 4.4451}$					
Chromium III ⁽⁵⁶⁾	Acute = $e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ Chronic = $e^{(0.819[\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ⁽⁵⁶⁾	Acute = 16 Chronic = 11					
Copper	Acute = $e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ Chronic = $e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$					
Lead	Acute = $(1.46203 - [\ln(\text{hardness}) \times (0.145712)]) \times e^{(1.273[\ln(\text{hardness})] - 1.46)}$ Chronic = $(1.46203 - [\ln(\text{hardness}) \times (0.145712)]) \times e^{(1.273[\ln(\text{hardness})] - 4.705)}$					
Manganese	Acute = $e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ Chronic = $e^{(0.3331[\ln(\text{hardness})] + 5.8743)}$					
Nickel	Acute = $e^{(0.846[\ln(\text{hardness})] + 2.253)}$ Chronic = $e^{(0.846[\ln(\text{hardness})] + 0.0554)}$					
Selenium ⁽⁶⁷⁾	Acute = 18.4 Chronic = 4.6					
Silver	Acute = $\frac{1}{2}e^{(1.72[\ln(\text{hardness})] - 6.52)}$ Chronic = $e^{(1.72[\ln(\text{hardness})] - 9.06)}$ Chronic(Trout) = $e^{(1.72[\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
					MWAT	DM
	Cold Stream Tier 1	CS-I	brook trout, cutthroat trout	June – Sept.	17.0	21.7
				Oct. – May	9.0	13.0
	Cold Stream Tier 2	CS-II	Other cold-water species	April – Oct.	18.3	24.3
				Nov. – March	9.0	13.0
	Cold Lake	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. – March	9.0	13.0
	Cold Large Lakes (>100 acres surface area)	CLL	rainbow trout, brown trout, lake trout	April – Dec.	18.3	24.2
				Jan. – March	9.0	13.0
	Warm Stream Tier 1	WS-I	common shiner, Johnny darter, orangethroat darter, stonecat	March – Nov.	24.2	29.0
				Dec. – Feb.	12.1	24.6
	Warm Stream Tier 2	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	25.2

	Warm Stream Tier 3	WS-III	all other warm-water species	March – Nov.	28.7	31.8
				Dec. – Feb.	14.3	24.9
	Warm Lakes	WL	black crappie, bluegill, common carp, gizzard shad, golden shiner, largemouth bass, northern pike, pumpkinseed, sauger, smallmouth bass, spottail shiner, stonecat, striped bass, tiger muskellunge, walleye, wiper, white bass, white crappie, yellow perch	April – Dec.	26.2	29.3
				Jan. – March	13.1	24.1
Uranium	Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$ Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$					
Zinc	Acute = $0.978 * e^{(0.9094[\ln(\text{hardness})]+0.9095)}$ Chronic = $0.986 * e^{(0.9094[\ln(\text{hardness})]+0.6235)}$					

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L, except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the commission on a site-specific basis where appropriate evidence is submitted.
- (5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.
- (56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of hexavalent and trivalent chromium exceed the water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.

(67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.

36.45 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

A. Aquatic Life Standards for Cadmium

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

During the 2018 basin review, the commission adopted EPA's 2016 recommended criteria as site-specific standards in select cold water segments. The updated table value standards for cold waters are the same as EPA's 2016 recommended criteria. Therefore, to reflect the commission's state-wide adoption of the updated table value standards, the cadmium "SSE" were replaced with "TVS" on the following segments:

Rio Grande: 4b, 5a, 6

Alamosa River/La Jara Creek/Conejos River: 3a, 3c, 20

Closed Basin – San Luis Valley River Basin: 8, 12a

B. Clarifications to Appendix 36-1

To improve the clarity and usability of the tables, an acronym list was added to the front of Appendix 36-1 and the footnote referencing Section 36.6 was also simplified.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-36

**REGULATION NO. 36
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
RIO GRANDE BASIN**

**APPENDIX 36-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2019~~06/30/2020

Abbreviations and Acronyms

<u>Aq</u>	=	<u>Aquatic</u>
<u>°C</u>	=	<u>degrees Celsius</u>
<u>CL</u>	=	<u>cold lake temperature tier</u>
<u>CLL</u>	=	<u>cold large lake temperature tier</u>
<u>CS-I</u>	=	<u>cold stream temperature tier one</u>
<u>CS-II</u>	=	<u>cold stream temperature tier two</u>
<u>D.O.</u>	=	<u>dissolved oxygen</u>
<u>DM</u>	=	<u>daily maximum temperature</u>
<u>DUWS</u>	=	<u>direct use water supply</u>
<u>E. coli</u>	=	<u><i>Escherichia coli</i></u>
<u>EQ</u>	=	<u>existing quality</u>
<u>mg/L</u>	=	<u>milligrams per liter</u>
<u>mg/m²</u>	=	<u>milligrams per square meter</u>
<u>mL</u>	=	<u>milliliter</u>
<u>MWAT</u>	=	<u>maximum weekly average temperature</u>
<u>OW</u>	=	<u>outstanding waters</u>
<u>SSE</u>	=	<u>site-specific equation</u>
<u>T</u>	=	<u>total recoverable</u>
<u>t</u>	=	<u>total</u>
<u>tr</u>	=	<u>trout</u>
<u>TVS</u>	=	<u>table value standard</u>
<u>µg/L</u>	=	<u>micrograms per liter</u>
<u>UP</u>	=	<u>use-protected</u>
<u>WS</u>	=	<u>water supply</u>
<u>WS-I</u>	=	<u>warm stream temperature tier one</u>
<u>WS-II</u>	=	<u>warm stream temperature tier two</u>
<u>WS-III</u>	=	<u>warm stream temperature tier three</u>
<u>WL</u>	=	<u>warm lake temperature tier</u>

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

1. All tributaries to the Rio Grande, including all wetlands, within the Weminuche Wilderness Area.								
CORGRG01	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
Sulfide	---	0.002	Uranium	varies*	varies*			
			Zinc	TVS	TVS			
2. Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3.								
CORGRG02	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
Sulfide	---	0.002	Uranium	varies*	varies*			
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

3. Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek.																																																																																																																																																																																																																																																																																																								
CORGRG03	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																																																																																																																																																																																																			
Designation	Agriculture	DM	MWAT	acute	chronic																																																																																																																																																																																																																																																																																																			
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---																																																																																																																																																																																																																																																																																																	
	Recreation E	acute	chronic	Arsenic(T)	---	7.6																																																																																																																																																																																																																																																																																																		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Fish Ingestion Standards Apply</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Chromium III</td><td>TVS</td></tr> <tr><td rowspan="18">Other:</td><td rowspan="18">*Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III(T)</td><td>---</td><td>100</td></tr> <tr><td>chlorophyll a (mg/m²)</td><td>---</td><td>150</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3"></td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td colspan="3">Inorganic (mg/L)</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>acute</td><td>chronic</td><td>Manganese</td><td>TVS</td><td>TVS</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Chloride</td><td>---</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Silver</td><td>TVS</td><td>TVS<tr><td>Nitrate</td><td>100</td><td>---</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr><tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Zinc</td><td>TVS</td><td>TVS</td></tr><tr><td>Phosphorus</td><td>---</td><td>0.11</td><td colspan="3"></td></tr><tr><td>Sulfate</td><td>---</td><td>---</td><td colspan="3"></td></tr><tr><td>Sulfide</td><td>---</td><td>0.002</td><td colspan="3"></td></tr></td></tr> <tr><td colspan="7">4a. Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.</td></tr> <tr><td>CORGRG04A</td><td>Classifications</td><td colspan="3">Physical and Biological</td><td colspan="2">Metals (ug/L)</td></tr> <tr><td>Designation</td><td>Agriculture</td><td>DM</td><td>MWAT</td><td>acute</td><td>chronic</td><td></td></tr> <tr><td rowspan="2">Reviewable</td><td>Aq Life Cold 1</td><td>Temperature °C</td><td>CS-II</td><td>CS-II</td><td>Arsenic</td><td>340</td><td>---</td></tr> <tr><td>Recreation E</td><td>acute</td><td>chronic</td><td>Arsenic(T)</td><td>---</td><td>0.02</td></tr> <tr><td rowspan="2"></td><td>Water Supply</td><td>D.O. (mg/L)</td><td>---</td><td>6.0</td><td>Cadmium</td><td>TVS</td><td>varies*</td></tr> <tr><td></td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2">Qualifiers:</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td colspan="2">Other:</td><td>chlorophyll a (mg/m²)</td><td>---</td><td>---</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2">Temporary Modification(s):</td><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Arsenic(chronic) = hybrid</td><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Expiration Date of 12/31/2021</td><td colspan="3"></td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="2">*Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations.</td><td colspan="3"></td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td colspan="2">*Manganese(chronic) = See 36.6(4) for site-specific standards and assessment locations.</td><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">*Uranium(acute) = See 36.5(3) for details.</td><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2">*Uranium(chronic) = See 36.5(3) for details.</td><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>varies*</td></tr> <tr><td colspan="2">*Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations.</td><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td colspan="2">*Zinc(chronic) = See 36.6(4) for site-specific standards and assessment locations.</td><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td colspan="2"></td><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td colspan="2"></td><td>Phosphorus</td><td>---</td><td>---</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS<tr><td colspan="2"></td><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr><tr><td colspan="2"></td><td colspan="3"></td><td>Zinc</td><td>varies*</td><td>varies*</td></tr></td></tr>	Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	Other:	*Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.	pH	6.5 - 9.0	---	Chromium III(T)	---	100	chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS	E. Coli (per 100 mL)	---	126	Copper	TVS	TVS				Iron(T)	---	1000	Inorganic (mg/L)			Lead	TVS	TVS	acute	chronic	Manganese	TVS	TVS	Ammonia	TVS	TVS	Mercury(T)	---	0.01	Boron	---	0.75	Molybdenum(T)	---	150	Chloride	---	---	Nickel	TVS	TVS	Chlorine	0.019	0.011	Selenium	TVS	TVS	Cyanide	0.005	---	Silver	TVS	TVS <tr><td>Nitrate</td><td>100</td><td>---</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Zinc</td><td>TVS</td><td>TVS</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11</td><td colspan="3"></td></tr> <tr><td>Sulfate</td><td>---</td><td>---</td><td colspan="3"></td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td colspan="3"></td></tr>	Nitrate	100	---	Uranium	varies*	varies*	Nitrite	0.05	---	Zinc	TVS	TVS	Phosphorus	---	0.11				Sulfate	---	---				Sulfide	---	0.002				4a. Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.							CORGRG04A	Classifications	Physical and Biological			Metals (ug/L)		Designation	Agriculture	DM	MWAT	acute	chronic		Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	Recreation E	acute	chronic	Arsenic(T)	---	0.02		Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	varies*		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS	Other:		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---	Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	Arsenic(chronic) = hybrid					Copper	TVS	TVS	Expiration Date of 12/31/2021					Iron	---	WS	*Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations.					Iron(T)	---	1000	*Manganese(chronic) = See 36.6(4) for site-specific standards and assessment locations.		Ammonia	TVS	TVS	Lead	TVS	TVS	*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---	*Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Manganese	TVS	varies*	*Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations.		Chlorine	0.019	0.011	Mercury(T)	---	0.01	*Zinc(chronic) = See 36.6(4) for site-specific standards and assessment locations.		Cyanide	0.005	---	Molybdenum(T)	---	150			Nitrate	10	---	Nickel	TVS	TVS			Nitrite	0.05	---	Nickel(T)	---	100			Phosphorus	---	---	Selenium	TVS	TVS			Sulfate	---	WS	Silver	TVS	TVS <tr><td colspan="2"></td><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td colspan="3"></td><td>Zinc</td><td>varies*</td><td>varies*</td></tr>			Sulfide	---	0.002	Uranium	varies*	varies*						Zinc	varies*	varies*
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*Manganese(chronic) = See 36.6(4) for site-specific standards and assessment locations.		Ammonia	TVS	TVS	Lead	TVS	TVS																																																																																																																																																																																																																																																																																																	
*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---																																																																																																																																																																																																																																																																																																	
Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Manganese	TVS	varies																																																																																																																																																																																																																																																																																																	
*Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations.		Chlorine	0.019	0.011	Mercury(T)	---	0.01																																																																																																																																																																																																																																																																																																	
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		Nitrate	10	---	Nickel	TVS	TVS																																																																																																																																																																																																																																																																																																	
		Nitrite	0.05	---	Nickel(T)	---	100																																																																																																																																																																																																																																																																																																	
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All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

4b. Mainstem of the Rio Grande from a point immediately above the confluence with South Fork Rio Grande to the Hwy 285 crossing.							
CORGRG04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
<div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div> <div>*Uranium(acute) = See 36.5(3) for details.</div> <div>*Uranium(chronic) = See 36.5(3) for details.</div>		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4c. Mainstem of the Rio Grande from the Hwy 285 crossing to the Rio Grande/Alamosa County line.							
CORGRG04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid					Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)		Copper	TVS	TVS	
<div>*Uranium(acute) = See 36.5(3) for details.</div> <div>*Uranium(chronic) = See 36.5(3) for details.</div>		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

5a. All tributaries to the Rio Grande, including all wetlands, from immediately above the confluence with Willow Creek to the Hwy 112 bridge near Del Norte, excluding the listings in segments 5b through 10.

CORGRG05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE *TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE *TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of Alder Creek. Mainstem of East Alder Creek, including all tributaries and wetlands, from the source to the confluence with Alder Creek. Mainstem of Agua Ramon Creek, including all tributaries and wetlands, from the source to the confluence with the Rio Grande. Mainstem of Embargo Creek, including all tributaries and wetlands, from immediately above the confluence with Dyers Creek to the confluence with the Rio Grande.

CORGRG05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

6. Mainstem of West Willow Creek from immediately above Deerhorn Creek to the Park Regent Mine dump (37.890445, -106.936868). East Willow Creek from the confluence with Whited Creek to the confluence with West Willow Creek.

CORGRG06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Cold 1	DM MWAT			acute	chronic	
Reviewable	Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	7.6
Other:		D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	---	Molybdenum(T)	---	---
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	---	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

7. Mainstem of West Willow Creek from the Park Regent Mine dump (37.890445, -106.936868) to the confluence with East Willow Creek. Mainstem of Willow Creek, including all tributaries, from the confluence of East and West Willow Creeks to the confluence with the Rio Grande.

CORGRG07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM MWAT			acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	varies*	varies*
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	varies*	varies*
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	varies*	varies*
		acute	chronic		Manganese	varies*	varies*
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	10	---	Zinc	varies*	varies*
		Phosphorus	---	0.11*			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

8. Mainstem of Goose Creek, including all tributaries and wetlands, from the source to the confluence with the Rio Grande, excluding the specific listings in segment 1.						
CORGRG08	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
*Uranium(acute) = See 36.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
*Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

9a. Mainstem of the South Fork Rio Grande, including all tributaries and wetlands, from the source to a point just below the confluence with Decker Creek, excluding the specific listings in segment 1. Mainstem of Beaver Creek, including all tributaries and wetlands, from the source to the inlet of Beaver Creek Reservoir.						
CORGRG09A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2021					Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 36.5(4).		Inorganic (mg/L)			Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

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Rio Grande Basin

9b. Mainstem of the South Fork Rio Grande, including all tributaries and wetlands, from a point just below the confluence with Decker Creek to the confluence with the Rio Grande, excluding the specific listings in segment 9a.

CORGRG09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

10. Mainstem of Pinos Creek, including all tributaries and wetlands, from the source to the confluence with the Rio Grande.

CORGRG10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

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Rio Grande Basin

11. Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to the confluence with the Rio Grande.							
CORGRG11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
12. Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to Conejos County Road G (37.07831, -105.75665).							
CORGRG12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12. Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to Conejos County Road G (37.07831, -105.75665).							
CORGRG12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021			acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

13. Mainstem of the Rio Grande from Conejos County Road G (37.07831, -105.75665) to the Colorado/New Mexico border.							
CORGRG13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
		Inorganic (mg/L)		Iron(T)	---	1000	
		acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	---	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			
14. Mainstems of Dry Pole Creek, Limekiln Creek, Nicomodes Gulch, Raton Creek, and Dry Creek, including all tributaries and wetlands, within the boundaries of the Rio Grande National Forest.							
CORGRG14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Selenium	TVS	TVS			
		Sulfate	---	WS	Silver	TVS	TVS(tr)
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

15. All tributaries to the Rio Grande from the Hwy 112 bridge near Del Norte to the Colorado/New Mexico border, excluding the listings in segments 11, 14, and 16 through 31.					
CORGRG15	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Recreation N			Arsenic(T)	0.02-10 ^A
	Water Supply	acute	chronic	Beryllium(T)	4.0
Qualifiers:		D.O. (mg/L)	3.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	Chromium III(T)	50
*Uranium(acute) = See 36.5(3) for details.		chlorophyll a (mg/m ²)	---	Chromium VI	---
*Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	630	Chromium VI(T)	50
		Inorganic (mg/L)		Copper(T)	200
		acute	chronic	Iron	WS
		Ammonia	---	Lead(T)	50
		Boron	0.75	Manganese	WS
		Chloride	250	Mercury(T)	2.0
		Chlorine	---	Molybdenum(T)	150
		Cyanide	0.2	Nickel(T)	100
		Nitrate	10	Selenium(T)	20
		Nitrite	1.0	Silver(T)	100
		Phosphorus	---	Uranium	varies*
		Sulfate	WS	Zinc(T)	2000
		Sulfide	0.05		

16. All tributaries to the Rio Grande, including wetlands, within the Alamosa National Wildlife Refuge, excluding the specific listing in segment 12.					
CORGRG16	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	100
Qualifiers:		D.O. (mg/L)	5.0	Cadmium	TVS
Other:		pH	6.5 - 9.0	Chromium III	TVS
*Uranium(acute) = See 36.5(3) for details.		chlorophyll a (mg/m ²)	150	Chromium III(T)	100
*Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron(T)	1000
		Ammonia	TVS	Lead	TVS
		Boron	0.75	Manganese	TVS
		Chloride	---	Mercury(T)	0.01
		Chlorine	0.019	Molybdenum(T)	150
		Cyanide	0.005	Nickel	TVS
		Nitrate	100	Selenium	TVS
		Nitrite	0.05	Silver	TVS
		Phosphorus	0.17	Uranium	varies*
		Sulfate	---	Zinc	TVS
		Sulfide	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

17. All tributaries to the Rio Grande, including wetlands, within the Monte Vista National Wildlife Refuge.							
CORGRG17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

18. All wetlands tributary to the Rio Grande from the Hwy 112 bridge near Del Norte to the Colorado/New Mexico border, excluding the specific listings in segments 16, 17, 19, 20a, 21a, 21b, 23a, 25, 28, 30 and 31.							
CORGRG18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

18. All wetlands tributary to the Rio Grande from the Hwy 112 bridge near Del Norte to the Colorado/New Mexico border, excluding the specific listings in segments 16, 17, 19, 20a, 21a, 21b, 23a, 25, 28, 30 and 31.							
CORGRG18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

19. Mainstem of Rock Creek, including all tributaries and wetlands, from the source to the Monte Vista Canal (37.52773, -106.16826).							
CORGRG19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nicel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
20a. Mainstem of Cat Creek, including all tributaries and wetlands, from the source to the Rio Grande National Forest boundary.							
CORGRG20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02	
	Recreation E	D.O. (mg/L)	---	6.0	Beryllium(T)	---	100
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Temperature = DM and MWAT=CS-I from 10/1-4/30 DM and MWAT=CS-I from 5/1-9/30		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nicel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
			Zinc	TVS	TVS		

20a. Mainstem of Cat Creek, including all tributaries and wetlands, from the source to the Rio Grande National Forest boundary.							
CORGRG20A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	6.0	Beryllium(T)	---	100
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Temperature = DM and MWAT=CS-I from 10/1-4/30 DM and MWAT=CS-I from 5/1-9/30		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

20b. Mainstem of Cat Creek from the Rio Grande National Forest boundary to the Terrace Main Canal.

CORGRG20B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II	CS-II	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium(T)	---	100
Other:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS(tr)
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

21a. Mainstem of Ute Creek, including all tributaries and wetlands, from the source to the crossing at 37.5000, -105.39643.

CORGRG21A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I	CS-I	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

21b. Mainstem of Ute Creek, including all tributaries and wetlands, from the crossing at 37.5000, -105.39643 to Hwy 160.							
CORGRG21B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	CS-I*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Temperature =		Chloride	---	250	Manganese	TVS	TVS/WS
DM=CS-I from 10/1-5/31		Chlorine	0.019	0.011	Mercury(T)	---	0.01
DM=22.3 from 6/1-9/30		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

22. Mainstem of Ute Creek from Hwy 160 to the confluence with Sangre de Cristo Creek.							
CORGRG22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10	^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

22. Mainstem of Ute Creek from Hwy 160 to the confluence with Sangre de Cristo Creek.							
CORGRG22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

23a. Mainstem of Sangre de Cristo Creek, including all tributaries and wetlands, from the source to Hwy 159, excluding the specific listings in segment 23b.								
CORGRG23A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	7.6		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
		acute	chronic	Manganese	TVS	TVS		
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	---	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	0.005	---	Silver	TVS	TVS(tr)	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.05	---	Zinc	TVS	TVS	
		Phosphorus	---	0.11				
		Sulfate	---	---				
		Sulfide	---	0.002				
		23b. Mainstem of Sangre de Cristo Creek from a point immediately below the confluence with Placer Creek to Hwy 159.						
		CORGRG23B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---	
	Water Supply	acute	chronic	Arsenic(T)	---	0.02		
	Recreation E	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Temperature = DM=14.7 and MWAT=9 from 10/1-4/30 DM=25.3 and MWAT=19 from 5/1-9/30		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

24. Mainstem of Sangre de Cristo Creek from Hwy 159 to the inlet of Smith Reservoir.							
CORGRG24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			
25. Mainstem of Trinchera Creek, including all tributaries and wetlands, from the source to the inlet of Mountain Home Reservoir.							
CORGRG25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

25. Mainstem of Trinchera Creek, including all tributaries and wetlands, from the source to the inlet of Mountain Home Reservoir.							
CORGRG25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

26. Mainstem of Trinchera Creek from the outlet of Mountain Home Reservoir to the Rio Grande.						
CORGRG26	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340
	Water Supply	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Recreation E	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
*Uranium(acute) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
*Uranium(chronic) = See 36.5(3) for details.					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

27. Deleted.						
CORGRG27	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

28. Mainstem of Rito Seco, including all tributaries and wetlands, from the source to the road crossing at 37.218809, -105.411762.						
CORGRG28	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2021					Copper	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

29. Mainstem of Rito Seco from the road crossing at 37.218809, -105.411762 to the confluence with Culebra Creek.						
CORGRG29	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2021					Copper	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

30. Mainstem of Culebra Creek, including all tributaries and wetlands, from the source to the Culebra Sanchez Canal diversion, excluding the specific listings in segment 31. East Fork and West Fork of Costilla Creek, including all tributaries and wetlands, within Colorado.

CORGRG30	Classifications	Physical and Biological			Metals (ug/L)								
Designation	Agriculture	DM		MWAT	acute		chronic						
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---						
	Recreation E	acute		chronic	Arsenic(T)	---	0.02						
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---						
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS						
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---						
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS						
Expiration Date of 12/31/2021					Copper	TVS	TVS						
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS						
*Uranium(chronic) = See 36.5(3) for details.		acute		chronic	Iron(T)	---	1000						
		Ammonia	TVS	TVS	Lead	TVS	TVS						
		Boron	---	0.75	Lead(T)	50	---						
		Chloride	---	250	Manganese	TVS	TVS/WS						
		Chlorine	0.019	0.011	Mercury(T)	---	0.01						
		Cyanide	0.005	---	Molybdenum(T)	---	150						
		Nitrate	10	---	Nickel	TVS	TVS						
		Nitrite	0.05	---	Nickel(T)	---	100						
		Phosphorus	---	0.11	Selenium	TVS	TVS						
		Sulfate	---	WS	Silver	TVS	TVS(tr)						
		Sulfide	---	0.002	Uranium	varies*	varies*						
					Zinc	TVS	TVS						

31. Mainstem of Culebra Creek from the Sanchez Canal diversion to Hwy 159. Mainstem of Ventero Creek from the Colorado/New Mexico border to the confluence with Culebra Creek. Mainstem of Costilla Creek, including all tributaries and wetlands within Colorado, excluding the listings for the East and West Forks in segment 30.

CORGRG31	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																	
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																															
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---																																																																																																															
	Recreation E	acute		chronic	Arsenic(T)	---	0.02																																																																																																															
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2" rowspan="17">Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>chlorophyll a (mg/m²)</td><td>---</td><td>150*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="2"></td><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11*</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS				Copper	TVS	TVS	Inorganic (mg/L)			Iron	---	WS			acute	chronic	Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS/WS	Chlorine	0.019	0.011	Mercury(T)	---	0.01	Cyanide	0.005	---	Molybdenum(T)	---	150	Nitrate	10	---	Nickel	TVS	TVS	Nitrite	0.05	---	Nickel(T)	---	100	Phosphorus	---	0.11*	Selenium	TVS	TVS	Sulfate	---	WS	Silver	TVS	TVS(tr)	Sulfide	---	0.002	Uranium	varies*	varies*				Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																															
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS																																																																																																															
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---																																																																																																															
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS																																																																																																															
					Copper	TVS	TVS																																																																																																															
		Inorganic (mg/L)			Iron	---	WS																																																																																																															
				acute	chronic	Iron(T)	---	1000																																																																																																														
		Ammonia	TVS	TVS	Lead	TVS	TVS																																																																																																															
		Boron	---	0.75	Lead(T)	50	---																																																																																																															
		Chloride	---	250	Manganese	TVS	TVS/WS																																																																																																															
		Chlorine	0.019	0.011	Mercury(T)	---	0.01																																																																																																															
		Cyanide	0.005	---	Molybdenum(T)	---	150																																																																																																															
		Nitrate	10	---	Nickel	TVS	TVS																																																																																																															
		Nitrite	0.05	---	Nickel(T)	---	100																																																																																																															
		Phosphorus	---	0.11*	Selenium	TVS	TVS																																																																																																															
		Sulfate	---	WS	Silver	TVS	TVS(tr)																																																																																																															
		Sulfide	---	0.002	Uranium	varies*	varies*																																																																																																															
					Zinc	TVS	TVS																																																																																																															

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

32. All lakes and reservoirs tributary to the Rio Grande, and within the Weminuche Wilderness Area.							
CORGRG32	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

33. All lakes and reservoirs tributary to the Rio Grande from the source to the Hwy 112 bridge near Del Norte, excluding the specific listings in segments 32 and 38. All lakes and reservoirs tributary to San Francisco Creek from the source to a point immediately below the confluence with Spring Branch.							
CORGRG33	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

34. All lakes and reservoirs tributary to Dry Pole Creek, Limekiln Creek, Nicomodes Gulch, Raton Creek, or Dry Creek, and within the boundaries of the Rio Grande National Forest. All lakes and reservoirs tributary to Rock Creek from the source to the Monte Vista Canal (37.52773, -106.16826).

CORGRG34	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	CL	CL	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---
	Water Supply	D.O. (mg/L)	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	Chromium III	TVS
		chlorophyll a (ug/L)	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron	---
		Ammonia	TVS	Iron(T)	1000
		Boron	0.75	Lead	TVS
		Chloride	250	Lead(T)	50
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury(T)	---
		Nitrate	10	Molybdenum(T)	---
		Nitrite	0.05	Nickel	TVS
		Phosphorus	0.025*	Nickel(T)	---
		Sulfate	WS	Selenium	TVS
		Sulfide	0.002	Silver	TVS
				Uranium	varies*
				Zinc	TVS

35. All lakes and reservoirs tributary to the Rio Grande from the Hwy 112 bridge near Del Norte to the Colorado/New Mexico border, excluding the specific listings in segments 34, 36, 37, 38 and 39.

CORGRG35	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Warm 2	WL	WL	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	5.0	Cadmium	TVS
Fish Ingestion Standards Apply		pH	6.5 - 9.0	Chromium III	TVS
Other:		chlorophyll a (ug/L)	20*	Chromium III(T)	---
		E. Coli (per 100 mL)	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS
		acute	chronic	Iron(T)	---
		Ammonia	TVS	Lead	TVS
		Boron	0.75	Manganese	TVS
		Chloride	---	Mercury(T)	---
		Chlorine	0.019	Molybdenum(T)	---
		Cyanide	0.005	Nickel	TVS
		Nitrate	100	Selenium	TVS
		Nitrite	0.05	Silver	TVS
		Phosphorus	0.083*	Uranium	varies*
		Sulfate	---	Zinc	TVS
		Sulfide	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

36. All lakes and reservoirs tributary to Ute Creek, from the source to Hwy 160. All lakes and reservoirs tributary to Sangre de Cristo Creek, from the source to Hwy 159. All lakes and reservoirs tributary to Trinchera Creek, from the source to the inlet of Mountain Home Reservoir. All lakes and reservoirs tributary to Rito Seco, from the source to Salzar Reservoir. All lakes and reservoirs tributary to Culebra Creek, from the source to Hwy 159, excluding the specific listing in segment 37. All lakes and reservoirs tributary to Costilla Creek, and within Colorado.

CORGRG36	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture			DM	MWAT				
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---		
	Recreation E			acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS		
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS		
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---		
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
					Copper	TVS	TVS		
		Inorganic (mg/L)			Iron	---	WS		
					Iron(T)	---	1000		
					Lead	TVS	TVS		
		Ammonia			TVS	TVS			
		Boron			---	0.75	Lead(T)	50	---
		Chloride			---	250	Manganese	TVS	TVS/WS
		Chlorine			0.019	0.011	Mercury(T)	---	0.01
		Cyanide			0.005	---	Molybdenum(T)	---	150
		Nitrate			10	---	Nickel	TVS	TVS
		Nitrite			0.05	---	Nickel(T)	---	100
		Phosphorus			---	0.025*	Selenium	TVS	TVS
		Sulfate			---	WS	Silver	TVS	TVS(tr)
		Sulfide			---	0.002	Uranium	varies*	varies*
							Zinc	TVS	TVS

37. Sanchez Reservoir.

CORGRG37	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI		TVS	TVS
		acute		chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.083*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

38. Continental Reservoir, Upper Brown Lake, Santa Maria Reservoir, Road Canyon Reservoir, Rio Grande Reservoir, Big Meadows Reservoir, Beaver Creek Reservoir, Smith Reservoir, Mountain Home Reservoir.							
CORGRG38	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

1. All tributaries to the Alamosa River or Conejos River, including all wetlands, within the South San Juan Wilderness area.

CORGAL01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

2. Mainstem of the Alamosa River, including all tributaries and wetlands, from the source to immediately above the confluence with Alum Creek, except for specific listings in segments 1, 4a, and 4b. Tributaries to the Alamosa River from a point immediately below the confluence of Bitter Creek to the inlet of Terrace Reservoir, except for specific listings in segments 4a, 5, 6, and 7.

CORGAL02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

3a. Mainstem of the Alamosa River from immediately above the confluence with Alum Creek to immediately above the confluence of Wightman Fork.						
CORGAL03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	varies*
	Recreation E	acute	chronic		Aluminum	varies*
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic	340
Other:		D.O. (spawning)	---	7.0	Arsenic(T)	---
		pH	varies*	---	Cadmium	SSE*TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	0.11	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

3b. Mainstem of the Alamosa River from immediately above the confluence with Wightman Fork to immediately above the confluence with Fern Creek.						
CORGAL03B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	varies*
	Recreation E	acute	chronic		Aluminum	varies*
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic	340
Other:		D.O. (spawning)	---	7.0	Arsenic(T)	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	0.11	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

3c. Mainstem of the Alamosa River from immediately above the confluence with Fern Creek to immediately below the confluence with Ranger Creek.						
CORGAL03C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	varies*
	Recreation E	acute	chronic		Aluminum	varies*
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic	340
Other:		D.O. (spawning)	---	7.0	Arsenic(T)	---
		pH	6.5 - 9.0	---	Cadmium	SSE*TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE*TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)	acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	---	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel	TVS
		Nitrite	0.05	---	Selenium	TVS
		Phosphorus	---	0.11	Silver	TVS
		Sulfate	---	---	Uranium	varies*
		Sulfide	---	0.002	Zinc	TVS

*Aluminum(acute) = 365 ug/L and 6,729(T) from 5/1-6/30
 558 ug/L and TVS(T) from 7/1-4/30
 *Aluminum(chronic) = 63 ug/L and 1,973(T) from 5/1-6/30
 296 ug/L and 2,232(T) from 7/1-4/30
~~*Cadmium(acute) = e⁴(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))~~
~~*Cadmium(chronic) = e⁴(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))~~
 *Uranium(acute) = See 36.5(3) for details.
 *Uranium(chronic) = See 36.5(3) for details.

3d. Mainstem of the Alamosa River from immediately below the confluence with Ranger Creek to the inlet of Terrace Reservoir.						
CORGAL03D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	varies*
	Recreation E	acute	chronic		Aluminum	varies*
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic	340
Other:		D.O. (spawning)	---	7.0	Arsenic(T)	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)	acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	---	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	100	---	Nickel	TVS
		Nitrite	0.05	---	Selenium	TVS
		Phosphorus	---	0.11	Silver	TVS
		Sulfate	---	---	Uranium	varies*
		Sulfide	---	0.002	Zinc	TVS

*Aluminum(acute) = 77 ug/L and 6,907(T) from 5/1-6/30
 84 ug/L and TVS(T) from 7/1-4/30
 *Aluminum(chronic) = 74 ug/L and 1,721(T) from 5/1-6/30
 60 ug/L and 1,554(T) from 7/1-4/30
 *Uranium(acute) = See 36.5(3) for details.
 *Uranium(chronic) = See 36.5(3) for details.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

4a. Mainstems of Iron Creek, Alum Creek, Bitter Creek, and Burnt Creek, including all tributaries and wetlands, from their sources to their confluences with the Alamosa River, excluding the listings in segment 4b.

CORGAL04A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Recreation E			Arsenic	---
Qualifiers:		acute	chronic	Cadmium	---
Other:		D.O. (mg/L)	---	Chromium III	---
		pH	2.5-9.0	Chromium VI	---
		chlorophyll a (mg/m ²)	150	Copper	---
		E. Coli (per 100 mL)	126	Iron	---
		Inorganic (mg/L)		Lead	---
		acute	chronic	Manganese	---
		Ammonia	---	Mercury(T)	---
		Boron	---	Molybdenum(T)	---
		Chloride	---	Nickel	---
		Chlorine	---	Selenium	---
		Cyanide	---	Silver	---
		Nitrate	---	Uranium	varies*
		Nitrite	---	Zinc	---
		Phosphorus	---		
		Sulfate	---		
		Sulfide	---		

4b. Mainstem of Iron Creek, including all tributaries and wetlands, from the source to immediately above the confluence with South Mountain Creek.

CORGAL04B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Arsenic	340
	Recreation E			Arsenic(T)	7.6
Qualifiers:		acute	chronic	Cadmium	TVS(tr)
Other:		D.O. (mg/L)	6.0	Chromium III	TVS
		D.O. (spawning)	7.0	Chromium III(T)	100
		pH	6.5 - 9.0	Chromium VI	TVS
		chlorophyll a (mg/m ²)	150	Copper	TVS
		E. Coli (per 100 mL)	126	Iron(T)	1000
		Inorganic (mg/L)		Lead	TVS
		acute	chronic	Manganese	TVS
		Ammonia	TVS	Mercury(T)	0.01
		Boron	0.75	Molybdenum(T)	150
		Chloride	---	Nickel	TVS
		Chlorine	0.019	Selenium	TVS
		Cyanide	0.005	Silver	TVS
		Nitrate	100	Uranium	varies*
		Nitrite	0.05	Zinc	TVS
		Phosphorus	0.11		
		Sulfate	---		
		Sulfide	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

5. Mainstem of Wightman Fork, including all tributaries and wetlands, from the source to the west line of S30, T37N, R4E (37.43127, -106.60325).						
CORGAL05	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	100
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS
					Iron(T)	1000
		Inorganic (mg/L)			Lead	TVS
		acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---
		Boron	---	0.75	Molybdenum(T)	---
		Chloride	---	---	Nickel	TVS
		Chlorine	0.019	0.011	Selenium	TVS
		Cyanide	0.005	---	Silver	TVS
		Nitrate	100	---	Uranium	varies*
		Nitrite	0.05	---	Zinc	TVS
		Phosphorus	---	0.11		
		Sulfate	---	---		
		Sulfide	---	0.002		

*Uranium(acute) = See 36.5(3) for details.
*Uranium(chronic) = See 36.5(3) for details.

6. Mainstem of Wightman Fork from the west line of S30, T37N, R4E (37.43127, -106.60325) to the confluence with the Alamosa River.						
CORGAL06	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Recreation E			Arsenic	---	---
Qualifiers:		acute	chronic	Cadmium	---	---
Other:		D.O. (mg/L)	---	---	Chromium III	---
		pH	---	---	Chromium VI	---
		chlorophyll a (mg/m ²)	---	150	Copper	---
		E. Coli (per 100 mL)	---	126	Iron	---
		Inorganic (mg/L)			Lead	---
		acute	chronic	Manganese	---	---
		Ammonia	---	---	Mercury(T)	---
		Boron	---	---	Molybdenum(T)	---
		Chloride	---	---	Nickel	---
		Chlorine	---	---	Selenium	---
		Cyanide	---	---	Silver	---
		Nitrate	---	---	Uranium	varies*
		Nitrite	---	---	Zinc	---
		Phosphorus	---	---		
		Sulfate	---	---		
		Sulfide	---	---		

*Uranium(acute) = See 36.5(3) for details.
*Uranium(chronic) = See 36.5(3) for details.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

7. Jasper Creek, including all tributaries and wetlands, from the source to the confluence with the Alamosa River.						
CORGAL07	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium(T)	---
Other:		D.O. (spawning)	---	7.0	Chromium III(T)	---
		pH	5.5-9.0	---	Chromium VI(T)	---
		chlorophyll a (mg/m ²)	---	150	Copper(T)	---
		E. Coli (per 100 mL)	---	126	Iron(T)	---
					Lead(T)	---
		Inorganic (mg/L)			Manganese(T)	---
		acute	chronic	Mercury(T)	---	0.05
		Ammonia	TVS	TVS	Molybdenum(T)	---
		Boron	---	0.75	Nickel(T)	---
		Chloride	---	---	Selenium(T)	---
		Chlorine	0.019	0.011	Silver(T)	---
		Cyanide	0.005	---	Uranium	varies*
		Nitrate	100	---	Zinc(T)	---
		Nitrite	0.05	---		170
		Phosphorus	---	0.11		
		Sulfate	---	---		
		Sulfide	---	0.002		

8. Terrace Reservoir.						
CORGAL08	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CLL	CLL	Aluminum	varies*
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron(T)	---
		acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS
		Boron	---	0.75	Manganese(T)	---
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	0.025*	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

9. Mainstem of Alamosa River from the outlet of Terrace Reservoir to Hwy 15 (Gunbarrel Road).							
CORGAL09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum(T)	TVS	
	Water Supply		acute	chronic	Arsenic	340	
	Recreation E	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	
		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Manganese(T)	---	200
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
		10. Mainstem of the Alamosa River from Hwy 15 (Gunbarrel Road) to its point of final diversion.					
CORGAL10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum(T)	TVS	
	Water Supply		acute	chronic	Arsenic	340	
	Recreation E	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02-10 ^A	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	
		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Manganese(T)	---	200
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

11a. All tributaries and wetlands to La Jara Reservoir. All tributaries and wetlands to La Jara Creek from the outlet of La Jara Reservoir to a point immediately below the confluence with Jarosa Creek, excluding the listings in segment 11b.

CORGAL11A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Other:	*Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.	D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Manganese(T)	---	200
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS(tr)
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

11b. Mainstem of La Jara Creek from the outlet of La Jara Reservoir to a point immediately above the confluence with Hot Creek. All tributaries and wetlands to La Jara Creek from a point immediately below the confluence with Jarosa Creek to a point immediately above the confluence with Hot Creek.

CORGAL11B	Classifications	Physical and Biological			Metals (ug/L)																																																																																																																									
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																																							
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---																																																																																																																							
	Recreation E	acute		chronic	Arsenic(T)	---	0.02																																																																																																																							
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2" rowspan="20">Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>chlorophyll a (mg/m²)</td><td>---</td><td>150</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>300</td></tr> <tr><td colspan="2"></td><td>acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Manganese(T)</td><td>---</td><td>200</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Silver</td><td>TVS</td><td>TVS<tr><td colspan="2"></td><td colspan="2"></td><td>Uranium</td><td>varies*</td><td>varies*</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr></td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS				Copper	TVS	TVS	Inorganic (mg/L)			Iron	---	300			acute	chronic	Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS	Chlorine	0.019	0.011	Manganese(T)	---	200	Cyanide	0.005	---	Mercury(T)	---	0.01	Nitrate	10	---	Molybdenum(T)	---	150	Nitrite	0.05	---	Nickel	TVS	TVS	Phosphorus	---	0.11	Nickel(T)	---	100	Sulfate	---	WS	Selenium	TVS	TVS	Sulfide	---	0.002	Silver	TVS	TVS <tr><td colspan="2"></td><td colspan="2"></td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>					Uranium	varies*	varies*					Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																																							
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS																																																																																																																							
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---																																																																																																																							
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS																																																																																																																							
					Copper	TVS	TVS																																																																																																																							
		Inorganic (mg/L)			Iron	---	300																																																																																																																							
				acute	chronic	Iron(T)	---	1000																																																																																																																						
		Ammonia	TVS	TVS	Lead	TVS	TVS																																																																																																																							
		Boron	---	0.75	Lead(T)	50	---																																																																																																																							
		Chloride	---	250	Manganese	TVS	TVS																																																																																																																							
		Chlorine	0.019	0.011	Manganese(T)	---	200																																																																																																																							
		Cyanide	0.005	---	Mercury(T)	---	0.01																																																																																																																							
		Nitrate	10	---	Molybdenum(T)	---	150																																																																																																																							
		Nitrite	0.05	---	Nickel	TVS	TVS																																																																																																																							
		Phosphorus	---	0.11	Nickel(T)	---	100																																																																																																																							
		Sulfate	---	WS	Selenium	TVS	TVS																																																																																																																							
		Sulfide	---	0.002	Silver	TVS	TVS <tr><td colspan="2"></td><td colspan="2"></td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>					Uranium	varies*	varies*							Zinc	TVS	TVS																																																																																																							
						Uranium	varies*	varies*																																																																																																																						
						Zinc	TVS	TVS																																																																																																																						

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

12. Mainstem of La Jara Creek from immediately above the confluence with Hot Creek to the confluence with the Rio Grande.							
CORGAL12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02	
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
<div>Other:</div> <div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).</div> <div>*Uranium(acute) = See 36.5(3) for details.</div> <div>*Uranium(chronic) = See 36.5(3) for details.</div>		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Manganese(T)	---	200
		Nitrite	0.05	---	Mercury(T)	---	0.01
		Phosphorus	---	0.17*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13. Mainstem of Hot Creek from the source to the confluence with La Jara Creek.							
CORGAL13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
<div>Other:</div> <div>Temporary Modification(s):</div> <div>Arsenic(chronic) = hybrid</div> <div>Expiration Date of 12/31/2021</div> <div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).</div> <div>*Uranium(acute) = See 36.5(3) for details.</div> <div>*Uranium(chronic) = See 36.5(3) for details.</div>		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13. Mainstem of Hot Creek from the source to the confluence with La Jara Creek.							
CORGAL13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).

*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).

*Uranium(acute) = See 36.5(3) for details.

*Uranium(chronic) = See 36.5(3) for details.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

14a. Mainstem of the Conejos River, including all tributaries and wetlands, from the source to immediately below the confluence with Elk Creek, excluding the specific listings in segment 1.

CORGAL14A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

14b. Mainstem of the Conejos River, including all tributaries and wetlands, from a point immediately below the confluence with Elk Creek to a point immediately above the confluence with Fox Creek.

CORGAL14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

15. Mainstem of the Conejos River from a point immediately above the confluence with Fox Creek to the confluence with the Rio San Antonio.						
CORGAL15	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2021					Copper	TVS
		Inorganic (mg/L)		Iron	---	WS
		acute	chronic	Iron(T)	---	1000
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 36.5(4).		Ammonia	TVS	TVS	Lead	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		Boron	---	0.75	Lead(T)	50
*Uranium(acute) = See 36.5(3) for details.		Chloride	---	250	Manganese	TVS
*Uranium(chronic) = See 36.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

16. Mainstem of the Conejos River from the confluence with the Rio San Antonio to the confluence with the Rio Grande.						
CORGAL16	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---
*Uranium(acute) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
*Uranium(chronic) = See 36.5(3) for details.		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	---	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

17a. Mainstem of Rio de Los Pinos, including all tributaries and wetlands within Colorado, excluding the specific listings in segment 1.							
CORGAL17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17b. Mainstem of the Rio San Antonio from the Colorado/New Mexico border to Hwy 285.							
CORGAL17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

18. Mainstem of the Rio San Antonio from Hwy 285 to the confluence with the Conejos River.							
CORGAL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic		Copper	TVS	TVS
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Iron	---	WS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).		Boron	---	0.75	Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		Chloride	---	250	Lead	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Chlorine	0.019	0.011	Lead(T)	50	---
*Uranium(chronic) = See 36.5(3) for details.		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
19. Mainstem of the Rio Chama, including all tributaries and wetlands within Colorado, excluding the specific listings in segment 1.							
CORGAL19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Uranium(acute) = See 36.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
*Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

19. Mainstem of the Rio Chama, including all tributaries and wetlands within Colorado, excluding the specific listings in segment 1.							
CORGAL19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

20. All tributaries and wetlands to the Alamosa River, La Jara Creek, or the Conejos River within the boundaries of the Rio Grande National Forest, excluding the specific listings in segments 1 through 7, 11a, 11b, 13, 14a, 14b, 17a, 17b, and 18.

CORGAL20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	CS-II	CS-II	Temperature °C	340	---	
	Recreation E	acute	chronic				
	Water Supply	---	6.0	D.O. (mg/L)	---	SSE*TVS	
Qualifiers:		---	7.0	D.O. (spawning)	SSE*TVS	---	
Other: *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838)) *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		6.5 - 9.0	---	pH	5.0	---	
		---	150	chlorophyll a (mg/m ²)	---	TVS	
		---	126	E. Coli (per 100 mL)	50	---	
		Inorganic (mg/L)		Chromium III	TVS	TVS	
		acute	chronic	Chromium VI	TVS	TVS	
		TVS	TVS	Copper	TVS	TVS	
		---	0.75	Iron	---	WS	
		---	250	Iron(T)	---	1000	
		0.019	0.011	Lead	TVS	TVS	
		0.005	---	Lead(T)	50	---	
		10	---	Manganese	TVS	TVS/WS	
		0.05	---	Mercury(T)	---	0.01	
		---	0.11	Molybdenum(T)	---	150	
		---	WS	Nickel	TVS	TVS	
		---	0.002	Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	varies*	varies*	
				Zinc	TVS	TVS	

21. All tributaries to the Conejos River from a point immediately above the confluence with Fox Creek to the Rio Grande, excluding the listings in Segment 20.

CORGAL21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Recreation N			Arsenic(T)	---	0.02-10 ^A	
	Water Supply	acute	chronic				
Qualifiers:		---	3.0	Beryllium(T)	---	4.0	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		---	---	Cadmium(T)	5.0	---	
		6.5 - 9.0	---	Chromium III(T)	50	---	
		---	---	Chromium VI(T)	50	---	
		---	630	Copper(T)	---	200	
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Lead(T)	50	---	
		---	---	Manganese	---	WS	
		---	0.75	Manganese(T)	---	200	
		---	250	Mercury(T)	2.0	---	
		---	---	Molybdenum(T)	---	150	
		0.2	---	Nickel(T)	---	100	
		10	---	Selenium(T)	---	20	
		1.0	---	Silver(T)	100	---	
		---	---	Uranium	varies*	varies*	
		---	WS	Zinc(T)	---	2000	
		---	0.05				

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

22. All tributaries, including wetlands, to the Alamosa River or La Jara Creek, excluding the specific listings in segments 1 through 21.							
CORGAL22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

23. All lakes and reservoirs tributary to the Alamosa River or the Conejos River, and within the South San Juan Wilderness area.							
CORGAL23	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
	Qualifiers:	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

24. All lakes and reservoirs tributary to the Alamosa River from the source to a point immediately above the confluence with Alum Creek, excluding the specific listings in segment 23.								
CORGAL24	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.025*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		25. All lakes and reservoirs tributary to La Jara Creek from the source to a point immediately above the confluence with Hot Creek.						
		CORGAL25	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	7.6		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
					Iron	---	---	
		Inorganic (mg/L)			Iron(T)	---	1000	
		acute			chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron	---	0.75	Manganese(T)	---	200	
		Chloride	---	---	Mercury(T)	---	0.01	
		Chlorine	0.019	0.011	Molybdenum(T)	---	150	
		Cyanide	0.005	---	Nickel	TVS	TVS	
		Nitrate	100	---	Selenium	TVS	TVS	
		Nitrite	0.05	---	Silver	TVS	TVS(tr)	
		Phosphorus	---	0.025*	Uranium	varies*	varies*	
		Sulfate	---	---	Zinc	TVS	TVS	
		Sulfide	---	0.002				

25. All lakes and reservoirs tributary to La Jara Creek from the source to a point immediately above the confluence with Hot Creek.							
CORGAL25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron	---	---
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS
					Manganese(T)	---	200
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

26. All lakes and reservoirs tributary to the Conejos River from the source to a point immediately above the confluence with Fox Creek, excluding the specific listings in segments 23 and 30.

CORGAL26	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS

27. All lakes and reservoirs tributary to the Rio de Los Pinos and within Colorado, excluding the specific listings in segment 23. All lakes and reservoirs tributary to the Rio Chama and within Colorado, excluding the specific listings in segment 23.

CORGAL27	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

28. All lakes and reservoir tributary to the Alamosa River, La Jara Creek, or Conejos River, and within the boundaries of the Rio Grande National Forest, excluding the specific listings in segments 23 through 27, and 30.

CORGAL28	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
		Uranium	varies*	varies*			
		Zinc	TVS	TVS			

29. All lakes and reservoirs tributary to the Alamosa River, La Jara Creek, or Conejos River, excluding the specific listings in segments 8, 23 through 28, and 30.

CORGAL29	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS(tr)	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS(tr)
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

30. Platoro Reservoir.						
CORGAL30	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	CLL	CLL	Temperature °C	Arsenic	340
	Recreation E	acute	chronic		Arsenic(T)	0.02
	Water Supply			D.O. (mg/L)	Cadmium	TVS(tr)
Qualifiers:				D.O. (spawning)	Cadmium(T)	5.0
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.				pH	Chromium III	TVS
				chlorophyll a (ug/L)	Chromium III(T)	50
				E. Coli (per 100 mL)	Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron	WS
				Ammonia	Iron(T)	1000
				Boron	Lead	TVS
				Chloride	Lead(T)	50
				Chlorine	Manganese	TVS/WS
				Cyanide	Mercury(T)	0.01
				Nitrate	Molybdenum(T)	150
				Nitrite	Nickel	TVS
				Phosphorus	Nickel(T)	100
				Sulfate	Selenium	TVS
				Sulfide	Silver	TVS(tr)
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

1. All tributaries to the Closed Basin, including all wetlands, within the La Garita Wilderness Area.							
CORGCB01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
2a. Mainstem of La Garita Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Geronimo Creek. The North, Middle, and South Forks of Carnero Creek, including all tributaries and wetlands, from their sources to their confluences at the inception of the mainstem of Carnero Creek.							
CORGCB02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

2a. Mainstem of La Garita Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Geronimo Creek. The North, Middle, and South Forks of Carnero Creek, including all tributaries and wetlands, from their sources to their confluences at the inception of the mainstem of Carnero Creek.							
CORGCB02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

2b. Mainstem of La Garita Creek, including all tributaries and wetlands, from a point immediately below the confluence with Geronimo Creek to 38 Road. All tributaries to the mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road, excluding the specific listings in segment 2a.

CORGC02B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

2c. Mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road.

CORGC02C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Temperature = DM and MWAT=CS-II from 11/1-3/31 DM=26.5 and MWAT=20 from 4/1-10/31		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

3. All tributaries to the Closed Basin excluding the listings in segments 1, 2a, 2b, 2c, and 4 through 13.

CORGCB03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4. Mainstem of San Luis Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Piney Creek, excluding the specific listings in segments 8, 9a, and 9b. Garner Creek, including all tributaries and wetlands, from the Rio Grande Forest Boundary to the mouth.

CORGCB04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		acute	chronic		Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

5. Mainstem of San Luis Creek from a point immediately below the confluence with Piney Creek to the inlet to San Luis Lake.							
CORGCB05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
*Uranium(acute) = See 36.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

6. Mainstem of South Crestone Creek from a point just below the Spanish Creek Trail road crossing (37.981612, -105.713237) to its confluence with Crestone Creek. Mainstem of Crestone Creek from its source at the confluence of North Crestone Creek and South Crestone Creek to the mouth.							
CORGCB06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	---	100
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		acute	chronic		Iron(T)	---	1000
*Uranium(chronic) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

6. Mainstem of South Crestone Creek from a point just below the Spanish Creek Trail road crossing (37.981612, -105.713237) to its confluence with Crestone Creek. Mainstem of Crestone Creek from its source at the confluence of North Crestone Creek and South Crestone Creek to the mouth.							
CORGCB06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

9a. Mainstem of Kerber Creek, including all tributaries and wetlands, from a point immediately above the Cocomongo Mill site to immediately above the confluence of Brewery Creek, excluding the specific listings in segment 8.

CORGCB09A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Recreation E			Arsenic	340
	Water Supply	acute	chronic	Arsenic(T)	0.02-10 ^A
Qualifiers:		D.O. (mg/L)	3.0	Cadmium(T)	5.0
Goal Qualifier for Agriculture and Water Supply		pH	6.5 - 9.0	Chromium III(T)	50
Other:		chlorophyll a (mg/m ²)	150	Chromium VI(T)	50
		E. Coli (per 100 mL)	126	Copper(T)	1000
		Inorganic (mg/L)		Iron	WS
		acute	chronic	Lead(T)	50
		Ammonia	---	Manganese	WS
		Boron	0.75	Mercury(T)	2.0
		Chloride	250	Molybdenum(T)	150
		Chlorine	---	Nickel(T)	100
		Cyanide	---	Selenium(T)	20
		Nitrate	10	Silver(T)	50
		Nitrite	1.0	Uranium	varies*
		Phosphorus	---	Zinc(T)	5000
		Sulfate	WS		
		Sulfide	0.002		

9b. Mainstem of Kerber Creek from a point immediately above the confluence with Brewery Creek to the confluence with San Luis Creek.

CORGCB09B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	0.02
	Water Supply	D.O. (mg/L)	6.0	Cadmium	SSE*
Qualifiers:		D.O. (spawning)	7.0	Cadmium	SSE*
Goal Qualifier for Agriculture and Water Supply		pH	6.5 - 9.0	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m ²)	150	Chromium III	TVS
		E. Coli (per 100 mL)	126	Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	SSE*
		Ammonia	TVS	Copper	TVS
		Boron	0.75	Iron	300
		Chloride	250	Iron(T)	1000
		Chlorine	0.019	Lead	TVS
		Cyanide	0.005	Lead(T)	50
		Nitrate	10	Manganese	TVS
		Nitrite	0.05	Mercury(T)	0.01
		Phosphorus	0.11	Molybdenum(T)	150
		Sulfate	WS	Nickel	TVS
		Sulfide	0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	varies*
				Zinc	SSE*
				Zinc	SSE*
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

10. Mainstem of Sand Creek, including all tributaries and wetlands, from the source to the mouth. Mainstem of Medano Creek, including all tributaries and wetlands, from the source to the mouth.

CORGCB10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	210
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

11. All tributaries to the Closed Basin within the Rio Grande National Forest boundaries excluding the listings in segments 1, 2a, 2b, 2c, 4, 9a, 9b, 10, 12a, 12b, and 12c.

CORGCB11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

12a. Mainstem of Saguache Creek, including all tributaries and wetlands, from the boundary of the La Garita Wilderness Area to a point just below the confluence with Ford Creek, excluding the specific listings in segments 1 and 12b.

CORGB12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*TVS	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/2021					Chromium VI	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))			acute	chronic	Iron	---	WS
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12b. Mainstem of Saguache Creek from a point just below the confluence of Fourmile Creek to a point just below the confluence with Ford Creek.

CORGC12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II*	varies* °C	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.					Iron(T)	---	1000
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
MWAT=CS-II from 11/1-3/31		Boron	---	0.75	Lead(T)	50	---
MWAT=18.6 from 4/1-10/31		Chloride	---	250	Manganese	TVS	TVS/WS
See temperature assessment locations at 36.6(4).		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

12c. Mainstem of Saguache Creek, including all tributaries and wetlands, from a point just below the confluence with Ford Creek to Hwy 285.							
CORGCB12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
13. Mainstem of Saguache Creek from Hwy 285 to the confluence with San Luis Creek. Mainstem of Russell Creek from its source at Russell Springs to the confluence with La Garita Creek. Mainstem of Cottonwood Creek downstream of the Rio Grande National Forest Boundary.							
CORGCB13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13. Mainstem of Saguache Creek from Hwy 285 to the confluence with San Luis Creek. Mainstem of Russell Creek from its source at Russell Springs to the confluence with La Garita Creek. Mainstem of Cottonwood Creek downstream of the Rio Grande National Forest Boundary.							
CORGCB13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Other: *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

14. All wetlands tributary to the Closed Basin, excluding the specific listings in segments 1 through 13.

CORGCB14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---	100
*Uranium(acute) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

15. All lakes and reservoirs tributary to the Closed Basin, and within the La Garita Wilderness Area.

CORGCB15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		acute	chronic		Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

16. All lakes and reservoirs tributary to La Garita Creek from the source to 38 Road. All lakes and reservoirs tributary to Camero Creek from the source to 42 Road. All lakes and reservoirs tributary to Kerber Creek from the source to a point immediately above the Cocomongo Mill site. All lakes and reservoirs tributary to San Luis Creek, from the source to a point immediately below the confluence with Piney Creek. All lakes and reservoirs tributary to Saguache Creek from the boundary of the La Garita Wilderness Area to Hwy 285.

CORGCB16	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
				Iron	---	WS	
				Iron(T)	---	1000	
				Lead	TVS	TVS	
				Lead(T)	50	---	
				Manganese	TVS	TVS/WS	
				Mercury(T)	---	0.01	
				Molybdenum(T)	---	150	
				Nickel	TVS	TVS	
				Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	varies*	varies*	
		Zinc	TVS	TVS			

17. All lakes and reservoirs within the Closed Basin and within the Rio Grande National Forest boundaries, excluding the specific listings in segments 15 and 16.

CORGCB17	Classifications	Physical and Biological		Metals (ug/L)																																																																																																			
Designation	Agriculture	DM	MWAT	acute		chronic																																																																																																	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---																																																																																																
	Recreation E	acute	chronic	Arsenic(T)	---	0.02																																																																																																	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td colspan="2">Qualifiers:</td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td colspan="2" rowspan="17"><div>Other:</div><div>*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div><div>*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div><div>*Uranium(acute) = See 36.5(3) for details.</div><div>*Uranium(chronic) = See 36.5(3) for details.</div></td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>chlorophyll a (ug/L)</td><td>---</td><td>8*</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>126</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2">Inorganic (mg/L)</td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="2"></td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td colspan="2"></td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td colspan="2"></td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td colspan="2"></td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td colspan="2"></td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td colspan="2"></td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td colspan="2"></td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="2"></td><td>Silver</td><td>TVS</td><td>TVS(tr)</td></tr> <tr><td colspan="2"></td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td colspan="2"></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	<div>Other:</div> <div>*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div> <div>*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div> <div>*Uranium(acute) = See 36.5(3) for details.</div> <div>*Uranium(chronic) = See 36.5(3) for details.</div>		pH	6.5 - 9.0	---	Chromium III	---	TVS	chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---	E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	Inorganic (mg/L)		Copper	TVS	TVS			Iron	---	WS			Iron(T)	---	1000			Lead	TVS	TVS			Lead(T)	50	---			Manganese	TVS	TVS/WS			Mercury(T)	---	0.01			Molybdenum(T)	---	150			Nickel	TVS	TVS			Nickel(T)	---	100			Selenium	TVS	TVS			Silver	TVS	TVS(tr)			Uranium	varies*	varies*			Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---																																																																																																
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		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---																																																																																																
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS																																																																																																
		Inorganic (mg/L)		Copper	TVS	TVS																																																																																																	
				Iron	---	WS																																																																																																	
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				Molybdenum(T)	---	150																																																																																																	
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				Nickel(T)	---	100																																																																																																	
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				Uranium	varies*	varies*																																																																																																	
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All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

18. All lakes and reservoirs within the Closed Basin, excluding the specific listings in segments 16, 17, 19 and 20.								
CORGCB18	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Arsenic	340	---	
	Recreation E	acute	chronic		Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Water + Fish Standards Apply		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
		Inorganic (mg/L)				Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.083*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
			Zinc	TVS	TVS			
19. San Luis Lake.								
CORGCB19	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CLL*	varies*	Arsenic	340	---	
	Recreation E	acute	chronic		Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Temperature = MWAT=CLL from 1/31-3/31 MWAT=21.2 from 4/1-12/31		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
		Inorganic (mg/L)				Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron	---	0.75	Mercury(T)	---	0.01	
		Chloride	---	---	Molybdenum(T)	---	150	
		Chlorine	0.019	0.011	Nickel	TVS	TVS	
		Cyanide	0.005	---	Selenium	TVS	TVS	
		Nitrate	100	---	Silver	TVS	TVS	
		Nitrite	0.05	---	Uranium	varies*	varies*	
		Phosphorus	---	0.025*	Zinc	TVS	TVS	
		Sulfate	---	---				
Sulfide	---	0.002						

19. San Luis Lake.							
CORGCB19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL *	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Temperature = MWAT=CLL from 1/31-3/31 MWAT=21.2 from 4/1-12/31		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.025*			
Sulfate	---	---					
Sulfide	---	0.002					

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

20. Head Lake.							
CORGCB20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CLL	CLL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlrophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute		chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.025*			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Reserved.
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.

Exhibit 7
Water Quality Control Division
Regulation #37

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 37 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR LOWER COLORADO RIVER BASIN

5 CCR 1002-37

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

37.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 37-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (Trec)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$ pH equal to or greater than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ pH less than 7.0 Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is more stringent</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N)Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$
	<p>Warm Water = (mg/l as N)Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$
	$chronic \text{ (Apr 1 - Aug 31)} = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ $chronic \text{ (Sep 1 - Mar 31)} = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$

Cadmium	$\text{Acute(warm)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.443)}$ $\text{Acute(cold)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.866)}$ $\text{Chronic} = (1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 * \ln(\text{hardness}) - 3.909)}$ $\text{Acute} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.1485}$ $\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.9151[\ln(\text{hardness})] - 3.6236}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) * (0.041838)]) * e^{0.7998[\ln(\text{hardness})] - 4.4451}$					
Chromium III ⁽⁵⁶⁾	Acute = $e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ Chronic = $e^{(0.819[\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ⁽⁵⁶⁾	Acute = 16 Chronic = 11					
Copper	Acute = $e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ Chronic = $e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$					
Lead	Acute = $(1.46203 - [\ln(\text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 1.46)}$ Chronic = $(1.46203 - [\ln(\text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 4.705)}$					
Manganese	Acute = $e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ Chronic = $e^{(0.3331[\ln(\text{hardness})] + 5.8743)}$					
Nickel	Acute = $e^{(0.846[\ln(\text{hardness})] + 2.253)}$ Chronic = $e^{(0.846[\ln(\text{hardness})] + 0.0554)}$					
Selenium ⁽⁶⁷⁾	Acute = 18.4 Chronic = 4.6					
Silver	Acute = $\frac{1}{2}e^{(1.72[\ln(\text{hardness})] - 6.52)}$ Chronic = $e^{(1.72[\ln(\text{hardness})] - 9.06)}$ Chronic(Trout) = $e^{(1.72[\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
	Cold Stream Tier I ⁽⁷⁸⁾	CS-I	brook trout, cutthroat trout	June – Sept.	17.0	21.7
				Oct. – May	9.0	13.0
	Cold Stream Tier II ⁽⁷⁸⁾	CS-II	all other cold-water species	April – Oct.	18.3	24.3
				Nov. – March	9.0	13.0
	Cold Lake	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. – March	9.0	13.0
	Cold Large Lake (>100 acres surface area)	CLL	brown trout, lake trout, rainbow trout	April – Dec.	18.3	24.2
				Jan. – March	9.0	13.0
	Warm Stream Tier I	WS-I	common shiner, Johnny darter, orangethroat darter, stonecat	March – Nov.	24.2	29.0
				Dec. – Feb.	12.1	24.6
	Warm Stream Tier II	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, Northern redbelly dace, finescale dace, razorback sucker, white sucker, mountain sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	25.2
	Warm Stream Tier III	WS-III	all other warm-water Species	March – Nov.	28.7	31.8
				Dec. – Feb.	14.3	24.9
	Warm Lakes	WL	yellow perch, walleye, pumpkinseed, smallmouth bass, striped bass, white bass, largemouth bass, bluegill, spottail shiner,	April – Dec.	26.2	29.3

			stonecat, northern pike, tiger muskellunge, black crappie, common carp, gizzard shad, sauger, white crappie, wiper	Jan. – March	13.1	24.1
Uranium	Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$ Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$					
Zinc	Acute = $0.978 \cdot e^{(0.9094[\ln(\text{hardness})]+0.9095)}$ Chronic = $0.986 \cdot e^{(0.9094[\ln(\text{hardness})]+0.6235)}$ if hardness less than 102 mg/l CaCO ₃ Chronic (sculpin) = $e^{(2.140[\ln(\text{hardness})]-5.084)}$					

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the Commission on a site-specific basis where appropriate evidence is submitted.
- (5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.
- (56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.
- (67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.
- (78) Mountain whitefish-based summer temperature criteria [16.9 (ch), 21.2 (ac)] apply when and where spawning and sensitive early life stages of this species are known to occur.

37.42 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The Commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

During the 2019 basin review, the commission adopted EPA's 2016 recommended criteria as site-specific standards in select cold water segments. The updated table value standards for cold waters are the same as EPA's 2016 recommended criteria. Therefore, to reflect the commission's state-wide adoption of the updated table value standards, the cadmium "SSE" were replaced with "TVS" on the following segments:

Lower Colorado: 4e (chronic only)

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-37

**REGULATION NO. 37
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
LOWER COLORADO RIVER BASIN**

**APPENDIX 37-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~12/31/2019~~06/30/2020

Abbreviations and Acroynms

Aq	=	Aquatic
°C	=	degrees Celsius
CL	=	cold lake temperature tier
CLL	=	cold large lake temperature tier
CS-I	=	cold stream temperature tier one
CS-II	=	cold stream temperature tier two
D.O.	=	dissolved oxygen
DM	=	daily maximum temperature
DUWS	=	direct use water supply
E. coli	=	<i>Escherichia coli</i>
mg/L	=	milligrams per liter
mg/m ²	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
UP	=	use-protected
WS	=	water supply
WS-I	=	warm stream temperature tier one
WS-II	=	warm stream temperature tier two
WS-III	=	warm stream temperature tier three
WL	=	warm lake temperature tier

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

1. Deleted.						
COLCLY01	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			
2. Mainstem of the Yampa River from a point immediately below the confluence with Elkhead Creek to the confluence with the Green River.						
COLCLY02	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II WS-II	Arsenic	340	---
	Recreation E		acute chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	--- 5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0 ---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	--- ---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	--- 126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium VI	TVS	TVS
Expiration Date of 12/31/2021			acute chronic	Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	--- 0.75	Iron(T)	---	1000
		Chloride	--- 250	Lead	TVS	TVS
		Chlorine	0.019 0.011	Lead(T)	50	---
		Cyanide	0.005 ---	Manganese	TVS	TVS/WS
		Nitrate	10 ---	Mercury(T)	---	0.01
		Nitrite	0.05 ---	Molybdenum(T)	---	150
		Phosphorus	--- ---	Nickel	TVS	TVS
		Sulfate	--- WS	Nickel(T)	---	100
		Sulfide	--- 0.002	Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

3a. All tributaries to the Yampa River, including all wetlands, from a point immediately below the confluence with Elkhead Creek to a point immediately below the confluence with the Little Snake River, except for listings in Segments 3b through 15, 17a, 17b and 18.

COLCLY03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation P	D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
Water + Fish Standards Apply		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Other:		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium III(T)	50	---
			acute	chronic	Chromium VI	TVS	TVS
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Manganese(T)	---	200
		Phosphorus	---	0.17	Mercury(T)	---	0.01
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

3b. Mainstems of Upper Johnson Gulch from its source to confluence with Pyeatt Gulch at CO 107. Mainstems of Pyeatt Gulch, Ute Gulch, Castor Gulch, No Name Gulch, Flume Gulch, Buzzard Gulch, Coyote Gulch, Deal Gulch, Horse Gulch (BOTH), and Elk Gulch, Jeffway Gulch, and Deacon Gulch, including all tributaries from their sources to their mouths.

COLCLY03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

3c. Mainstem of Milk Creek, including all tributaries and wetlands, from Thornburgh (County Rd 15) to the confluence with the Yampa River, except for listings in Segment 3b and 3e.							
COLCLY03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

3d. Mainstems of Temple Gulch and Morgan Gulch from their sources to their confluences with the Yampa River.							
COLCLY03D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

3d. Mainstems of Temple Gulch and Morgan Gulch from their sources to their confluences with the Yampa River.							
COLCLY03D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

3e. Mainstem of Good Spring Creek and its tributaries above Wilson Reservoir.

COLCLY03E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

3f. Big Gulch.

COLCLY03F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

3g. Mainstems of Ben Morgan Creek, Boxelder Gulch, Collom Gulch, Hale Gulch and Jubb Creek, including all tributaries from their sources to their mouths, except for listings in Segment 3j.						
COLCLY03G	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Iron(T)	varies*
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Manganese(T)	---
		Nitrate	100	---	Mercury(T)	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	---	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS

*Iron(T)(chronic) = See section 37.6(4) for standards and assessment locations for Collom Gulch from the source to the diversion structure at 40.333977, -107.860833.
 *Uranium(acute) = See 37.5(3) for details.
 *Uranium(chronic) = See 37.5(3) for details.

3h. Lay Creek from the source to the confluence with the Yampa River.						
COLCLY03H	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---
		E. Coli (per 100 mL)	---	205	Chromium III(T)	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

*Uranium(acute) = See 37.5(3) for details.
 *Uranium(chronic) = See 37.5(3) for details.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

3i. Lower Johnson Gulch from the confluence with Pyeatt Gulch at CO 107 to the confluence with the Yampa River.							
COLCLY03I	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

3j. Mainstem of Little Collom Gulch from the source to the confluence with Collom Gulch.							
COLCLY03J	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	100
	Recreation P	acute	chronic	Beryllium(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	---	10
Other:		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI(T)	---	100
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Copper(T)	---	200
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)		Iron	---	---	
		acute	chronic	Lead(T)	---	100	
		Ammonia	---	---	Manganese(T)	---	200
		Boron	---	0.75	Mercury	---	---
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel(T)	---	200
		Cyanide	0.2	---	Selenium(T)	---	20
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17	Zinc(T)	---	2000
		Sulfate	---	---			
		Sulfide	---	---			

3j. Mainstem of Little Collom Gulch from the source to the confluence with Collom Gulch.							
COLCLY03J	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	100
	Recreation P		acute	chronic	Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	---	10
Other:		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150	Chromium VI(T)	---	100
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Copper(T)	---	200
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	---
			acute	chronic	Lead(T)	---	100
		Ammonia	---	---	Manganese(T)	---	200
		Boron	---	0.75	Mercury	---	---
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel(T)	---	200
		Cyanide	0.2	---	Selenium(T)	---	20
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17	Zinc(T)	---	2000
		Sulfate	---	---			
		Sulfide	---	---			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

4. North and South Fork of Fortification Creek, including all wetlands and tributaries, from their sources to their confluence. Little Cottonwood Creek, including all tributaries and wetlands from the source to the confluence with Fortification Creek.

COLCLY04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

5. Mainstem of Fortification Creek from the confluence of the North Fork and South Fork to the confluence with the Yampa River.

COLCLY05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

6. All tributaries to Fortification Creek, including all wetlands, from the confluence of the North and South Forks to the confluence with the Yampa River, except for listings in Segments 4 and 7.

COLCLY06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.05	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

7. Mainstem of Little Bear Creek, including all tributaries and wetlands, from the source to the confluence with Dry Fork.

COLCLY07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	0.75	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	100	---	Silver	TVS	TVS(tr)
		Nitrite	0.05	---	Uranium	varies*	varies*
		Phosphorus	---	0.11	Zinc	TVS	TVS/TVS(sc)
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

8. Mainstem of the East Fork of the Williams Fork River, including all tributaries and wetlands which are within the boundaries of the Flat Tops Wilderness Area.								
COLCLY08	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		9. Mainstems of the East and South Forks of the Williams Fork River, including all wetlands and tributaries, which are within the boundary of Routt National Forest, except for listings in Segment 8 and 12c.						
		COLCLY09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

10. Mainstem of the East Fork of the Williams Fork River including all tributaries and wetlands, from the boundary of Routt National Forest to the confluence with the South Fork of the Williams Fork River.						
COLCLY10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply		DM	MWAT	acute	chronic
Reviewable		Temperature °C	CS-I	CS-I	Arsenic	340
			acute	chronic	Arsenic(T)	---
		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/2021					Copper	TVS
		Inorganic (mg/L)			Iron	---
			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
						TVS/TVS(sc)
11. Deleted.						
COLCLY11	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT	acute	chronic
Qualifiers:			acute	chronic		
Other:						
		Inorganic (mg/L)				
			acute	chronic		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Lower Yampa/Green River

12a. Mainstem of the South Fork of the Williams Fork River and Beaver Creek, including all tributaries and wetlands, from the boundary of Routt National Forest to their mouths. Milk Creek, including all tributaries and wetlands, from the source to a point just below the confluence with Clear Creek. Morapos Creek, including all wetlands and tributaries, from the source to the confluence with the Williams Fork River.

COLCLY12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		acute		chronic	Iron(T)	---	1000
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

12b. Milk Creek, including all tributaries and wetlands, from a point just below the confluence with Clear Creek to Thornburgh (County Rd 15).

COLCLY12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	250	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	10	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

12c. Mainstem of Beaver Creek, including all wetlands and tributaries, which are within the Routt National Forest.							
COLCLY12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

13a. Mainstem of the Williams Fork River from the confluence of the East Fork and South Fork to below the confluence with Morapos Creek.							
COLCLY13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10	^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

13a. Mainstem of the Williams Fork River from the confluence of the East Fork and South Fork to below the confluence with Morapos Creek.							
COLCLY13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

13b. Mainstem of the Williams Fork River from below the confluence of Morapos Creek to the confluence with the Yampa River.						
COLCLY13B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---
		E. Coli (per 100 mL)	---	126	Chromium III(T)	TVS
		Inorganic (mg/L)		Chromium VI	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	WS
		Chlorine	0.019	0.011	Lead	1000
		Cyanide	0.005	---	Lead(T)	TVS
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury(T)	TVS/WS
		Phosphorus	---	0.17	Molybdenum(T)	0.01
		Sulfate	---	WS	Nickel	---
		Sulfide	---	0.002	Nickel(T)	150
					Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	varies*
						TVS
						TVS

14. Deleted.						
COLCLY14	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
		acute	chronic			
Qualifiers:		Inorganic (mg/L)				
Other:		acute	chronic			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

15. Those portions of the Little Snake River which are in Colorado, from its first crossing of the Colorado/Wyoming border to a point immediately above the confluence with Powder Wash (Moffatt County).							
COLCLY15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
16. Mainstem of the Little Snake River from a point immediately above the confluence with Powder Wash to the confluence with the Yampa River.							
COLCLY16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	TVS	TVS	
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	4400
*Uranium(chronic) = See 37.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

17a. All tributaries to the Little Snake River from its first crossing of the Colorado/Wyoming border to a point immediately below the confluence with Fourmile Creek, except for the listings in Segment 18.

COLCLY17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation P	Temperature °C	CS-II	CS-II	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

17b. All tributaries to the Little Snake River from a point immediately below the confluence with Fourmile Creek to the confluence with the Yampa River, except for the listing in Segment 17c.

COLCLY17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2 Recreation P	Temperature °C	WS-III	WS-III	Arsenic	340	---
		acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	---
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

17c. Scandinavian Gulch from the source to the confluence with the Little Snake River.						
COLCLY17C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2 Recreation P	Temperature °C	WS-III WS-III	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02-10 ^A
Other:		D.O. (mg/L)	---	5.0	Cadmium	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	0.17	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.05		

*Uranium(acute) = See 37.5(3) for details.
*Uranium(chronic) = See 37.5(3) for details.

18. Mainstem of Slater Creek, including all tributaries and wetlands, from the source to a point just below the confluence with Second Creek. The mainstems of Fourmile and Willow Creeks, including all tributaries and wetlands, from their sources to the boundary of the Routt National Forest.						
COLCLY18	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation P Water Supply	Temperature °C	CS-I CS-I	Arsenic	340	---
Qualifiers:		acute	chronic	Arsenic(T)	---	0.02
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021
*Uranium(acute) = See 37.5(3) for details.
*Uranium(chronic) = See 37.5(3) for details.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

19a. Mainstem of the Green River within Colorado (Moffat County) from its entry at the Utah/Colorado border to a point just above the confluence with the Yampa River.						
COLCLY19A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

19b. Mainstem of the Green River within Colorado (Moffat County) from a point just above the confluence with the Yampa River to its exit at the Utah/Colorado border.						
COLCLY19B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

20. All tributaries to the Green River in Colorado, including all wetlands, except for the specific listings in Segments 21 and 22a - 22d. All tributaries to the Yampa River from a point immediately below the confluence with the Little Snake River to the confluence with the Green River, except for listings in segments 15 through 18.

COLCLY20	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2 Recreation E	Temperature °C	CS-II CS-II	Arsenic	340 ---
Qualifiers:		acute	chronic	Arsenic(T)	--- 100
		D.O. (mg/L)	--- 6.0	Beryllium(T)	--- 100
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	D.O. (spawning)	--- 7.0	Cadmium	TVS TVS
		pH	6.5 - 9.0 ---	Chromium III	TVS TVS
		chlorophyll a (mg/m ²)	--- 150	Chromium III(T)	--- 100
		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
				Iron(T)	--- 1000
		acute	chronic	Lead	TVS TVS
		Ammonia	TVS TVS	Manganese	TVS TVS
		Boron	--- 0.75	Manganese(T)	--- 200
		Chloride	--- ---	Mercury(T)	--- 0.01
		Chlorine	0.019 0.011	Molybdenum(T)	--- 150
		Cyanide	0.005 ---	Nickel	TVS TVS
		Nitrate	100 ---	Selenium	TVS TVS
		Nitrite	0.05 ---	Silver	TVS TVS
		Phosphorus	--- 0.11	Uranium	varies* varies*
		Sulfate	--- ---	Zinc	TVS TVS
		Sulfide	--- 0.002		

21. Mainstem of Beaver Creek, including all tributaries and wetlands, from the source to the confluence with the Green River within Colorado.

COLCLY21	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1 Recreation P Water Supply	Temperature °C	CS-I CS-I	Arsenic	340 ---
Qualifiers:		acute	chronic	Arsenic(T)	--- 0.02
		D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
		pH	6.5 - 9.0 ---	Chromium III	--- TVS
		chlorophyll a (mg/m ²)	--- 150	Chromium III(T)	50 ---
		E. Coli (per 100 mL)	--- 205	Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	TVS TVS
				Iron	--- WS
		acute	chronic	Iron(T)	--- 1000
		Ammonia	TVS TVS	Lead	TVS TVS
		Boron	--- 0.75	Lead(T)	50 ---
		Chloride	--- 250	Manganese	TVS TVS/WS
		Chlorine	0.019 0.011	Mercury(T)	--- 0.01
		Cyanide	0.005 ---	Molybdenum(T)	--- 150
		Nitrate	10 ---	Nickel	TVS TVS
		Nitrite	0.05 ---	Nickel(T)	--- 100
		Phosphorus	--- 0.11	Selenium	TVS TVS
		Sulfate	--- WS	Silver	TVS TVS(tr)
		Sulfide	--- 0.002	Uranium	varies* varies*
				Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

22a. Mainstem of Vermillion Creek, including all tributaries and wetlands, from the Colorado/Wyoming border to a point just below the confluence with Talamantes Creek.							
COLCLY22A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			
22b. Vermillion Creek, including all tributaries and wetlands, from a point just below the confluence with Talamantes Creek to the confluence with the Green River, except for the listing in segment 22c.							
COLCLY22B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

22c. Mainstem of Vermillion Creek from HWY 318 to the confluence with the Green River.							
COLCLY22C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

22d. Conway Draw							
COLCLY22D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	6.0	Beryllium(T)	---	4.0
		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Manganese(T)	---	200
		Nitrite	0.05	---	Mercury(T)	---	0.01
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
			Silver	TVS	TVS(tr)		
			Uranium	varies*	varies*		
			Zinc	TVS	TVS		

22d. Conway Draw							
COLCLY22D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Beryllium(T)	---	4.0
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Manganese(T)	---	200
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

23. All lakes and reservoirs tributary to the Yampa River, from a point just below the confluence with Elkhead Creek to a point just below the confluence with the Little Snake River except for listings in segments 24-32. This segment includes Martin Cull Reservoir, and OVO Reservoir.

COLCLY23	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation U	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

24. Freeman Reservoir and Aldrich Lakes.

COLCLY24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.025*			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

```
tr = trout
```

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 37.6 for further details on applied standards.

See [this](#) for further details on applied statistics.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

25. All lakes and reservoirs tributary to Fortification Creek from the source to the confluence of the North and South Forks. All lakes and reservoirs tributary to Little Cottonwood Creek from the source to the confluence with Fortification Creek, except for listings in segment 24. All lakes and reservoirs tributary to Little Bear Creek from the source to the confluence with the Dry Fork.

COLCLY25	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic 340 ---
	Recreation U	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8	Chromium III(T) 50 ---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)		Copper TVS TVS	
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron --- WS	
		Ammonia	TVS	TVS	Iron(T) --- 1000
		Boron	---	0.75	Lead TVS TVS
		Chloride	---	250	Lead(T) 50 ---
		Chlorine	0.019	0.011	Manganese TVS TVS/WS
		Cyanide	0.005	---	Mercury(T) --- 0.01
		Nitrate	10	---	Molybdenum(T) --- 150
		Nitrite	0.05	---	Nickel TVS TVS
		Phosphorus	---	0.025*	Nickel(T) --- 100
		Sulfate	---	WS	Selenium TVS TVS
		Sulfide	---	0.002	Silver TVS TVS(tr)
					Uranium varies* varies*
					Zinc TVS TVS

26. All lakes and reservoirs tributary to Fortification Creek, including Ralph White Lake, except for listings in segments 24 and 25.

COLCLY26	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic 340 ---
	Recreation U	acute	chronic	Arsenic(T) --- 7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium TVS(tr) TVS
Other:		pH	6.5 - 9.0	---	Chromium III TVS TVS
chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20	Chromium III(T) --- 100
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)		Copper TVS TVS	
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T) --- 1000	
		Ammonia	TVS	TVS	Lead TVS TVS
		Boron	---	0.75	Manganese TVS TVS
		Chloride	---	---	Mercury(T) --- 0.01
		Chlorine	0.019	0.011	Molybdenum(T) --- 150
		Cyanide	0.005	---	Nickel TVS TVS
		Nitrate	100	---	Selenium TVS TVS
		Nitrite	0.05	---	Silver TVS TVS(tr)
		Phosphorus	---	0.083*	Uranium varies* varies*
		Sulfate	---	---	Zinc TVS TVS
		Sulfide	---	0.002	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

27. All lakes and reservoirs tributary to Milk Creek from Thornburgh (County Rd 15) to the confluence with the Yampa River, including Wilson Reservoir.							
COLCLY27	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation U	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
28. All lakes and reservoirs tributary to the East Fork of the Williams Fork River, within the boundaries of the Flat Tops Wilderness Area.							
COLCLY28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

28. All lakes and reservoirs tributary to the East Fork of the Williams Fork River, within the boundaries of the Flat Tops Wilderness Area.							
COLCLY28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

29. All lakes and reservoirs tributary to the East and South Forks of the Williams Fork River, and lakes and reservoirs tributary to the mainstem of the Williams Fork River, from the source to the Highway 13/789 bridge at Hamilton, except for listings in segment 28.

COLCLY29	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS		

30. All lakes and reservoirs tributary to Milk Creek from the source to Thornburgh (County Rd 15). All lakes and reservoirs tributary to Morapos Creek from the source to the confluence with the Williams Fork River.

COLCLY30	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation U	acute		chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:	*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (ug/L)	---	8*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
					Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.025*			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

31. All lakes and reservoirs tributary to Slater Creek, from the source to a point just below the confluence with Second Creek, including Slater Creek Lake. All lakes and reservoirs tributary to Fourmile and Willow Creeks from their sources to the boundary of the Routt National Forest.

COLCLY31	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	Arsenic	340	---
	Recreation U	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	Iron(T)	---	1000
		Boron	---	Lead	TVS	TVS
		Chloride	---	Lead(T)	50	---
		Chlorine	0.019	Manganese	TVS	TVS/WS
		Cyanide	0.005	Mercury(T)	---	0.01
		Nitrate	10	Molybdenum(T)	---	150
		Nitrite	0.05	Nickel	TVS	TVS
		Phosphorus	---	Nickel(T)	---	100
		Sulfate	---	Selenium	TVS	TVS
		Sulfide	---	Silver	TVS	TVS(tr)
				Uranium	varies*	varies*
				Zinc	TVS	TVS

32. All lakes and reservoirs tributary to the Yampa River from a point just below the confluence with the Little Snake River to the confluence with the Green River. All lakes and reservoirs tributary to the Green River in Colorado, including Hog Lake, except for listings in segment 33.

COLCLY32	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	Lead	TVS	TVS
		Boron	---	Manganese	TVS	TVS
		Chloride	---	Mercury(T)	---	0.01
		Chlorine	0.019	Molybdenum(T)	---	150
		Cyanide	0.005	Nickel	TVS	TVS
		Nitrate	100	Selenium	TVS	TVS
		Nitrite	0.05	Silver	TVS	TVS
		Phosphorus	---	Uranium	varies*	varies*
		Sulfate	---	Zinc	TVS	TVS
		Sulfide	---			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

33. All lakes and reservoirs tributary to Beaver Creek from the source to the confluence with the Green River. All lakes and reservoirs tributary to Vermillion Creek from the Colorado/Wyoming border to a point just below the confluence with Talamantes Creek.

COLCLY33	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation U		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8	Chromium III(T)	50	---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.					Copper	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.					Inorganic (mg/L)		
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

1. All tributaries to the White River, including all wetlands, which are within the boundaries of the Flat Tops Wilderness Area.							
COLCWH01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
2. Deleted.							
COLCWH02	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
Reviewable							
Qualifiers:		acute	chronic				
Other:							
		Inorganic (mg/L)					
		acute	chronic				

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

3. Mainstem of the North Fork of the White River and mainstem of the White River from the Flat Tops Wilderness Area boundary to a point immediately above the confluence with Miller Creek.							
COLCWH03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
4a. All tributaries to the North Fork White River, including all wetlands, from the Flat Tops Wilderness Area boundary to the confluence with the South Fork White River, except for listings in Segment 1 and 4b.							
COLCWH04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

4b. Lost Creek, including tributaries and wetlands, from the source to the confluence with the North Fork White River. Snell Creek, including all wetlands and tributaries, from the source to the confluence with the North Fork White River.

COLCWH04B	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
OW	Agriculture				
	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---
	Recreation E		acute chronic	Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
Temporary Modification(s):		chlorophyll a (mg/m2)	--- 150	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/2021				Copper	TVS TVS
		Inorganic (mg/L)		Iron	--- WS
*Uranium(acute) = See 37.5(3) for details.			acute chronic	Iron(T)	--- 1000
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS TVS	Lead	TVS TVS
		Boron	--- 0.75	Lead(T)	50 ---
		Chloride	--- 250	Manganese	TVS TVS/WS
		Chlorine	0.019 0.011	Mercury(T)	--- 0.01
		Cyanide	0.005 ---	Molybdenum(T)	--- 150
		Nitrate	10 ---	Nickel	TVS TVS
		Nitrite	0.05 ---	Nickel(T)	--- 100
		Phosphorus	--- 0.11	Selenium	TVS TVS
		Sulfate	--- WS	Silver	TVS TVS(tr)
		Sulfide	--- 0.002	Uranium	varies* varies*
				Zinc	TVS TVS

5. Deleted.					
COLCWH05	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Reviewable					
Qualifiers:		acute	chronic		
Other:					
		Inorganic (mg/L)			
		acute	chronic		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

6. Mainstem of the South Fork White River, including all tributaries and wetlands, that is not within the boundary of the Flat Tops Wilderness to the confluence with the North Fork White River.											
COLCWH06	Classifications		Physical and Biological			Metals (ug/L)					
Designation	Agriculture		DM	MWAT	acute	chronic					
Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Arsenic	340	---			
	Recreation E		acute	chronic	Arsenic(T)	---	0.02				
	Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS			
Qualifiers:			D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---			
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.			pH	6.5 - 9.0	---	Chromium III	---	TVS			
			chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---			
			E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS			
						Copper	TVS	TVS			
						Inorganic (mg/L)	Iron	---	WS		
						acute	chronic	Iron(T)	---	1000	
			Ammonia	TVS	TVS	Lead	TVS	TVS			
			Boron	---	0.75	Lead(T)	50	---			
			Chloride	---	250	Manganese	TVS	TVS/WS			
			Chlorine	0.019	0.011	Mercury(T)	---	0.01			
			Cyanide	0.005	---	Molybdenum(T)	---	150			
			Nitrate	10	---	Nickel	TVS	TVS			
			Nitrite	0.05	---	Nickel(T)	---	100			
			Phosphorus	---	0.11	Selenium	TVS	TVS			
			Sulfate	---	WS	Silver	TVS	TVS(tr)			
			Sulfide	---	0.002	Uranium	varies*	varies*			
						Zinc	TVS	TVS/TVS(sc)			
			7. Mainstem of the White River from a point immediately above the confluence with Miller Creek to a point immediately above the confluence with Piceance Creek.								
			COLCWH07	Classifications		Physical and Biological			Metals (ug/L)		
			Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1		Temperature °C	CS-II	CS-II	Arsenic	340	---			
	Recreation E		acute	chronic	Arsenic(T)	---	0.02				
	Recreation P		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS			
	Water Supply		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---			
Qualifiers:			pH	6.5 - 9.0	---	Chromium III	---	TVS			
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.			chlorophyll a (mg/m2)	---	150*	Chromium III(T)	50	---			
			E. Coli (per 100 mL)	3/2 - 11/30	---	126	Chromium VI	TVS	TVS		
			E. Coli (per 100 mL)	12/1 - 3/1	---	205	Copper	TVS	TVS		
						Inorganic (mg/L)	Iron	---	WS		
						acute	chronic	Iron(T)	---	1000	
			Ammonia	TVS	TVS	Lead	TVS	TVS			
			Boron	---	0.75	Lead(T)	50	---			
			Chloride	---	250	Manganese	TVS	TVS/WS			
			Chlorine	0.019	0.011	Mercury(T)	---	0.01			
			Cyanide	0.005	---	Molybdenum(T)	---	150			
			Nitrate	10	---	Nickel	TVS	TVS			
			Nitrite	0.05	---	Nickel(T)	---	100			
			Phosphorus	---	0.11*	Selenium	TVS	TVS			
			Sulfate	---	WS	Silver	TVS	TVS(tr)			
			Sulfide	---	0.002	Uranium	varies*	varies*			
						Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

8. All tributaries to the White River, including all wetlands, from the confluence of the North and South Forks to a point immediately above the confluence with Piceance Creek, which are within the boundaries of White River National Forest.

COLCWH08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9a. All tributaries to the White River, including all wetlands, from the confluence of the North and South Forks to a point immediately above the confluence with Flag Creek, which are not within the boundary of National Forest lands, except for listings in Segments 9c, 9d and 10b.

COLCWH09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

9b. All tributaries to the White River, including wetlands, from a point immediately above the confluence with Flag Creek, to a point immediately above the confluence with Piceance Creek, which are not within the boundary of National Forest lands, except for listings in segments 9c and 9d.

COLCWH09B Classifications		Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute		Iron	---	WS
		chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
				Zinc	TVS	TVS

9c. Mainstems of Flag Creek, including all tributaries and wetlands, from the source to a point just below the confluence with the East Fork of Flag Creek.

COLCWH09C Classifications		Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:	*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute		Iron	---	WS
		chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

9d. Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River.							
COLCWH09D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Water + Fish Standards Apply		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
10a. All lakes and reservoirs tributary to the White River, from the confluence of the North and South Forks of the White River to a point immediately above the confluence of the White River and Piceance Creek, except listings in Segments 11, 25 and 27.							
COLCWH10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8	Chromium III(T)	50	---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.					Copper	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

10b. Mainstem of Big Beaver Creek, Miller Creek, and North Elk Creek, including their tributaries and wetlands, from their boundary with National Forest lands to their confluences with the White River. Mainstem of Coal Creek, including all tributaries and wetlands, from the source to the confluence with the White River.							
COLCWH10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(±)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
11. Rio Blanco Lake and Taylor Draw Reservoir (a.k.a. Kenney Reservoir).							
COLCWH11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
	DUWS*	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Qualifiers:		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		acute	chronic	Copper	TVS	TVS	
*Classification: Kenney Reservoir = DUWS		Ammonia	TVS	TVS	Iron	---	WS
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(acute) = See 37.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

12. Mainstem of the White River from a point immediately above the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek.							
COLCWH12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m2)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13a. All tributaries to the White River, including all wetlands, from a point immediately below the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek, except for listings in Segments 13b through 20.							
COLCWH13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		chlorophyll a (mg/m2)	---	150	Chromium III	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

13a. All tributaries to the White River, including all wetlands, from a point immediately below the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek, except for listings in Segments 13b through 20.

COLCWH13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

13b. Mainstem of Yellow Creek including all wetlands from the source to immediately below the confluence with Barcus Creek. All tributaries to Yellow Creek from the source to the White River, including wetlands.						
COLCWH13B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m2)	---	150*	Chromium III	---
*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Selenium(chronic) = 5.7 ug/L for Corral Gulch. 6.0 ug/L for Greasewood Creek. 6.9 ug/L for Yellow Creek. 7.9 ug/L for Duck Creek. TVS for all other tributaries. See assessment locations at 37.6(4) *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	5.0	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.17*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS
13c. Mainstem of Yellow Creek, including all wetlands from immediately below the confluence with Barcus Creek to the confluence with the White River.						
COLCWH13C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS
Fish Ingestion Standards Apply		pH	6.5 - 9.0	---	Chromium III	TVS
Other:		chlorophyll a (mg/m2)	---	150	Chromium III(T)	---
*Iron(T)(chronic) = See assessment location at 37.6(4) *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	5.0	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	0.17	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

13d. Violet Springs Ponds (39.999928, -108.350489).

COLCWH13D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Arsenic	340	---
	Recreation P	acute		chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	5.0	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.025*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

14a. Mainstem of Piceance Creek from the source to a point just below the confluence with Hunter Creek.

COLCWH14A	Classifications	Physical and Biological			Metals (ug/L)																																																																																																															
Designation	Agriculture	DM		MWAT	acute		chronic																																																																																																													
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---																																																																																																													
	Recreation P	acute		chronic	Arsenic(T)	---	0.02																																																																																																													
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS <tr><td rowspan="2">Qualifiers:</td><td></td><td>D.O. (spawning)</td><td>---</td><td>7.0</td><td>Cadmium(T)</td><td>5.0</td><td>---</td></tr> <tr><td rowspan="20">Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.</td><td>pH</td><td>6.5 - 9.0</td><td>---</td><td>Chromium III</td><td>---</td><td>TVS</td></tr> <tr><td>chlorophyll a (mg/m2)</td><td>---</td><td>150</td><td>Chromium III(T)</td><td>50</td><td>---</td></tr> <tr><td>E. Coli (per 100 mL)</td><td>---</td><td>205</td><td>Chromium VI</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3"></td><td>Copper</td><td>TVS</td><td>TVS</td></tr> <tr><td colspan="3">Inorganic (mg/L)</td><td>Iron</td><td>---</td><td>WS</td></tr> <tr><td colspan="2">acute</td><td>chronic</td><td>Iron(T)</td><td>---</td><td>1000</td></tr> <tr><td>Ammonia</td><td>TVS</td><td>TVS</td><td>Lead</td><td>TVS</td><td>TVS</td></tr> <tr><td>Boron</td><td>---</td><td>0.75</td><td>Lead(T)</td><td>50</td><td>---</td></tr> <tr><td>Chloride</td><td>---</td><td>250</td><td>Manganese</td><td>TVS</td><td>TVS/WS</td></tr> <tr><td>Chlorine</td><td>0.019</td><td>0.011</td><td>Mercury(T)</td><td>---</td><td>0.01</td></tr> <tr><td>Cyanide</td><td>0.005</td><td>---</td><td>Molybdenum(T)</td><td>---</td><td>150</td></tr> <tr><td>Nitrate</td><td>10</td><td>---</td><td>Nickel</td><td>TVS</td><td>TVS</td></tr> <tr><td>Nitrite</td><td>0.05</td><td>---</td><td>Nickel(T)</td><td>---</td><td>100</td></tr> <tr><td>Phosphorus</td><td>---</td><td>0.11</td><td>Selenium</td><td>TVS</td><td>TVS</td></tr> <tr><td>Sulfate</td><td>---</td><td>WS</td><td>Silver</td><td>TVS</td><td>TVS<tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr><tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr></td></tr>	Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS	chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---	E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS				Copper	TVS	TVS	Inorganic (mg/L)			Iron	---	WS	acute		chronic	Iron(T)	---	1000	Ammonia	TVS	TVS	Lead	TVS	TVS	Boron	---	0.75	Lead(T)	50	---	Chloride	---	250	Manganese	TVS	TVS/WS	Chlorine	0.019	0.011	Mercury(T)	---	0.01	Cyanide	0.005	---	Molybdenum(T)	---	150	Nitrate	10	---	Nickel	TVS	TVS	Nitrite	0.05	---	Nickel(T)	---	100	Phosphorus	---	0.11	Selenium	TVS	TVS	Sulfate	---	WS	Silver	TVS	TVS <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Sulfide	---	0.002	Uranium	varies*	varies*				Zinc	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0		---																																																																																																												
	Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.	pH	6.5 - 9.0	---	Chromium III	---	TVS																																																																																																													
chlorophyll a (mg/m2)		---	150	Chromium III(T)	50	---																																																																																																														
E. Coli (per 100 mL)		---	205	Chromium VI	TVS	TVS																																																																																																														
			Copper	TVS	TVS																																																																																																															
Inorganic (mg/L)			Iron	---	WS																																																																																																															
acute		chronic	Iron(T)	---	1000																																																																																																															
Ammonia		TVS	TVS	Lead	TVS	TVS																																																																																																														
Boron		---	0.75	Lead(T)	50	---																																																																																																														
Chloride		---	250	Manganese	TVS	TVS/WS																																																																																																														
Chlorine		0.019	0.011	Mercury(T)	---	0.01																																																																																																														
Cyanide		0.005	---	Molybdenum(T)	---	150																																																																																																														
Nitrate		10	---	Nickel	TVS	TVS																																																																																																														
Nitrite		0.05	---	Nickel(T)	---	100																																																																																																														
Phosphorus		---	0.11	Selenium	TVS	TVS																																																																																																														
Sulfate		---	WS	Silver	TVS	TVS <tr><td>Sulfide</td><td>---</td><td>0.002</td><td>Uranium</td><td>varies*</td><td>varies*</td></tr> <tr><td></td><td></td><td></td><td>Zinc</td><td>TVS</td><td>TVS</td></tr>	Sulfide	---	0.002	Uranium	varies*	varies*					Zinc	TVS	TVS																																																																																																	
Sulfide		---	0.002	Uranium	varies*	varies*																																																																																																														
				Zinc	TVS	TVS																																																																																																														

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

14b. Mainstem of Piceance Creek from a point just below the confluence with Hunter Creek to a point just below the confluence with Ryan Gulch.							
COLCWH14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m2)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic	Manganese	TVS	TVS	
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
Sulfide	---	0.002					
15. Mainstem of Piceance Creek from a point just below the confluence with Ryan Gulch to the confluence with the White River. The Dry Fork of Piceance Creek, including all tributaries and wetlands, from a point just below the confluence with Little Reigan Gulch to the confluence with Piceance Creek, except for listings in Segment 18.							
COLCWH15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Fish Ingestion Standards Apply		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m2)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

16a. All tributaries to Piceance Creek, including all wetlands, from the source to a point immediately below the confluence with Dry Thirteenmile Creek.							
COLCWH16A		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02-10	^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m2)	---	150	Chromium III	---	TVS
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)		Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

16b. All tributaries to Piceance Creek, including all wetlands, from a point immediately below the confluence with Dry Thirteenmile Creek to the confluence with the White River, except for listings in Segments 15, 17, 18a, 18b, 19 and 20.							
COLCWH16B		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	100	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other:		chlorophyll a (mg/m2)	---	150	Chromium III(T)	---	100
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

16b. All tributaries to Piceance Creek, including all wetlands, from a point immediately below the confluence with Dry Thirteenmile Creek to the confluence with the White River, except for listings in Segments 15, 17, 18a, 18b, 19 and 20.							
COLCWH16B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

17. Stewart Gulch from the sources of the East, Middle, and West Forks to the confluence with Piceance Creek.								
COLCWH17	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P	acute	chronic	Arsenic(T)	---	7.6		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Fish Ingestion Standards Apply		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m2)	---	---	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
		acute			chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	---	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	0.005	---	Silver	TVS	TVS(tr)	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.05	---	Zinc	TVS	TVS	
		Phosphorus	---	0.11				
		Sulfate	---	---				
		Sulfide	---	0.002				
		18a. Willow and Hunter Creeks, including all tributaries and wetlands, from their sources to their confluences with Piceance Creek.						
COLCWH18A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation P	acute	chronic	Arsenic(T)	---	100		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
		chlorophyll a (mg/m2)	---	150	Chromium VI	TVS	TVS	
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS	
					Iron(T)	---	1000	
		Inorganic (mg/L)			Lead	TVS	TVS	
		acute			chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	---	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	0.005	---	Silver	TVS	TVS(tr)	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.05	---	Zinc	TVS	TVS	
		Phosphorus	---	0.11				
		Sulfate	---	---				
		Sulfide	---	0.002				

18a. Willow and Hunter Creeks, including all tributaries and wetlands, from their sources to their confluences with Piceance Creek.							
COLCWH18A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m2)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Manganese	TVS	TVS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

18b. Mainstem of the Dry Fork of Piceance Creek, including all tributaries and wetlands, from the source to a point just below the confluence with Little Reagan Gulch. Box D Gulch from its source to the confluence with the Dry Fork of Piceance Creek.

COLCWH18B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

19. Mainstem of Fawn Creek from the source to the confluence with Black Sulphur Creek.

COLCWH19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m2)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	205	Copper	TVS	TVS
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
		acute	chronic		Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury(T)	---	0.01
		Boron	---	0.75	Molybdenum(T)	---	150
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	100	---	Uranium	varies*	varies*
		Nitrite	0.05	---	Zinc	TVS	TVS
		Phosphorus	---	0.11			
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

20. Mainstem of Black Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with Piceance Creek, except for the listing in Segment 19.								
COLCWH20	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m2)	---	---	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
21. Mainstem of the White River from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border.								
COLCWH21	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m2)	---	---	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	100	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

22. All tributaries to the White River, including all wetlands, from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border, except for specific listings in Segment 23.						
COLCWH22	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2 Recreation P	Temperature °C	WS-III WS-III		Arsenic 340	---
Qualifiers:		acute	chronic		Arsenic(T)	---
Other:		D.O. (mg/L)	---	5.0	Beryllium(T)	---
		pH	6.5 - 9.0	---	Cadmium	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	---
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	---	Manganese	TVS
		Chlorine	0.019	0.011	Manganese(T)	---
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.17	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

*Uranium(acute) = See 37.5(3) for details.
*Uranium(chronic) = See 37.5(3) for details.

23. Mainstems of East Douglas Creek and West Douglas Creek, including all tributaries and wetlands, from their sources to their confluence.						
COLCWH23	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1 Recreation E Water Supply	Temperature °C	CS-I CS-I		Arsenic 340	---
Qualifiers:		acute	chronic		Arsenic(T)	---
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (mg/m2)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron	---
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Manganese	TVS/WS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

Temporary Modification(s):
Arsenic(chronic) = hybrid
Expiration Date of 12/31/2021

*Uranium(acute) = See 37.5(3) for details.
*Uranium(chronic) = See 37.5(3) for details.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

24. All lakes and reservoirs tributary to the White River, which are within the boundaries of the Flat Tops Wilderness Area, including Trappers Lake.							
COLCWH24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
25. Lake Avery (a.k.a Big Beaver Reservoir).							
COLCWH25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies* ^B	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details. *Temperature = DM=CLL and MWAT=CLL from 1/1-3/31 DM=CLL and MWAT=20.7 from 4/1-12/31		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

26. All lakes and reservoirs tributary to the North and South Forks of the White River, from the Flat Tops Wilderness Area boundary to the confluence with the North and South Forks of the White River.

COLCWH26	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	CL	CL	Arsenic	340	---
	Recreation U	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS

27. All lakes and reservoirs tributary to the White River, from a point immediately above the confluence with Piceance Creek to the Colorado/Utah border, except for listings in segments 11 and 13d.

COLCWH27	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	WL	WL	Arsenic	340	---
	Recreation U	acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS
		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury(T)	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	0.05	---	Silver	TVS
		Phosphorus	---	0.083*	Uranium	varies*
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

1. Mainstem of the Colorado River from the confluence with the Roaring Fork River to immediately below the confluence with Rifle Creek.							
COLCLC01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
See 37.6(4) for temperature standards.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
2a. Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.							
COLCLC02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

2b. Mainstem of the Colorado River from a point immediately above the confluence with Rapid Creek to immediately above the confluence of the Gunnison River.							
COLCLC02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
3. Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.							
COLCLC03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other:		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

3. Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.							
COLCLC03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	---	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
	*Uranium(acute) = See 37.5(3) for details.						
	*Uranium(chronic) = See 37.5(3) for details.						

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

4a. All tributaries, including wetlands, to the Colorado River from the confluence with the Roaring Fork River to below the confluence with Parachute Creek except for listings in Segments 4b, 4c, 4d, 4e, 5, 6, 7a, 7b, 8, 9a, 9c, 10, 11a – c.

COLCLC04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4b. South Canyon Hot Springs (39.552964, -107.414232).

COLCLC04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Warm 2	DM	MWAT		acute	chronic	
Reviewable	Recreation E				Arsenic	340	---
Qualifiers:		acute	chronic		Arsenic(T)	---	100
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
		Inorganic (mg/L)			Iron(T)	---	1000
		acute	chronic		Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron	---	---	Mercury(T)	---	0.01
		Chloride	---	---	Molybdenum(T)	---	---
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005	---	Selenium	TVS	TVS
		Nitrate	---	---	Silver	TVS	TVS
		Nitrite	---	---	Uranium	varies*	varies*
		Phosphorus	---	0.17	Zinc	TVS	TVS
		Sulfate	---	---			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

4c. The mainstem of South Canyon Creek from the South Canyon Hot Springs to the confluence with the Colorado River.							
COLCLC04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic	Copper	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4).		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 37.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4d. The mainstem of Dry Hollow Creek, including all tributaries and wetlands, from the source to the confluence with the Colorado River.							
COLCLC04D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02-10 ^A	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
*Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

4e. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to immediately above the Last Chance Ditch.							
COLCLC04E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	100	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	SSE*TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
Copper(ac/ch) = current conditions		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 6/30/2021		Inorganic (mg/L)			Copper	TVS	TVS
<div>*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).</div> <div>*Cadmium(chronic) = e⁴(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div> <div>*Iron(T)(chronic) = 3500(T) ug/L on unnamed tributary and 5900(T) ug/L on Dry Creek, see section 37.6(4)(c) for iron assessment locations.</div> <div>*Uranium(acute) = See 37.5(3) for details.</div> <div>*Uranium(chronic) = See 37.5(3) for details.</div>		acute	chronic	Iron(T)	---	varies*	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

4f. Mainstem of Dry Creek including all tributaries and wetlands from a point immediately above the Last Chance Ditch to the confluence with the Colorado River.							
COLCLC04F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
<div>*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).</div> <div>*Uranium(acute) = See 37.5(3) for details.</div> <div>*Uranium(chronic) = See 37.5(3) for details.</div>		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
Sulfide	---	0.002					

4f. Mainstem of Dry Creek including all tributaries and wetlands from a point immediately above the Last Chance Ditch to the confluence with the Colorado River.							
COLCLC04F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
<div>Other:</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).</div> <div>*Uranium(acute) = See 37.5(3) for details.</div> <div>*Uranium(chronic) = See 37.5(3) for details.</div>		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

5. All tributaries to the Colorado River, including wetlands, which are within the boundaries of White River National Forest, except for listings in Segments 9a, 9c, and 12c.							
COLCLC05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
*Uranium(acute) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

6. Mainstem of Oasis Creek including all tributaries and wetlands from the boundary of White River National Forest to the confluence with the Colorado River.							
COLCLC06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02-10	^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
*Uranium(acute) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

7a. Mainstem of Mitchell, Canyon, Elk, Garfield, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River.

COLCLC07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

7b. Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.

COLCLC07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

8. Mainstem of Northwater and Trapper Creeks, including all tributaries and wetlands, from their sources to the confluence with the East Middle Fork of Parachute Creek. East Middle Fork of Parachute Creek, including all tributaries and wetlands, from the source to the confluence with the Middle Fork of Parachute Creek.

COLCLC08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9a. Middle Rifle Creek, including all tributaries and wetlands, from its source to the confluence with West Rifle Creek. East Rifle Creek, including all tributaries and wetlands, from the source to the boundary of the White River National Forest.

COLCLC09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

9b. All lakes and reservoirs tributary to the Colorado River from the confluence of the Colorado and the Roaring Fork River to a point immediately below the confluence of the Colorado River and Parachute Creek, and all lakes and reservoirs within the White River National Forest or the Grand Mesa National Forest, except for the listings in segment 20.

COLCLC09B	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)		Copper	TVS	TVS	
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.025*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
				Uranium	varies*	varies*	
		Zinc	TVS	TVS			

9c. Battlement Creek, including all tributaries and wetlands, from the source to the most downstream boundary of BLM lands.

COLCLC09C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

9d. Battlement Creek, including all tributaries and wetlands, from the most downstream boundary of BLM lands to the confluence with the Colorado River.								
COLCLC09D	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		10. West Rifle Creek, including all tributaries and wetlands, from the source to Rifle Gap Reservoir. East Rifle Creek, including all tributaries and wetlands, from the White River National Forest boundary to Rifle Gap Reservoir. Rifle Creek, including all tributaries and wetlands, from Rifle Gap Reservoir to the confluence with the Colorado River.						
		COLCLC10	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

11a. Middle Fork Parachute Creek, including tributaries and wetlands, from the source to the confluence with East Fork Parachute Creek. West Fork Parachute Creek and East Fork Parachute Creek, including tributaries and wetlands, from the sources to their confluence into Parachute Creek (39.54898, -108.121829).

COLCLC11A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

11b. All tributaries to Parachute Creek on the east side of Parachute Creek from the confluence of the East and West Forks of Parachute Creek to the confluence with the Colorado River.

COLCLC11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	630	Chromium III(T)	---	100
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese(T)	---	200
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

11c. Mainstem of Parachute Creek from the confluence of the West and East Forks to the confluence with the Colorado River. All tributaries and wetlands to Parachute Creek on the west side of Parachute Creek from the confluence of the East and West Forks to the confluence with the Colorado River.

COLCLC11C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12a. All tributaries to the Colorado River on the north side of the Colorado River from below Cottonwood Creek to the confluence with Parachute Creek except for listings in segments 9c and 9d.

COLCLC12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

12b. All tributaries and wetlands to the Colorado River from a point immediately below the confluence of Parachute Creek to a point immediately below the confluence with Roan Creek, except for listings in segments 5, 12c, 14a, 14b and 14c.

COLCLC12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12c. Wallace Creek, including all tributaries and wetlands, from the source to the confluence with the Colorado River.

COLCLC12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

13a. All tributaries to the Colorado River including wetlands, from a point immediately below the confluence of Roan Creek to the Colorado/Utah border, except for listings in Segments 13b through 19.

COLCLC13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Recreation P	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13b. All tributaries to the Colorado River, including wetlands, from the Government Highline Canal Diversion to a point immediately below Salt Creek, and downgradient from the Government Highline Canal, the Orchard Mesa Canal No. 2, Orchard Mesa Drain, Stub Ditch and the northeast Colorado National Monument boundary.

COLCLC13B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Fish Ingestion Standards Apply		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.17*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

13c. Walker Wildlife Area Ponds.							
COLCLC13C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			
		13d. Deleted					
COLCLC13D	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
Qualifiers:			acute	chronic			
Other:							
		Inorganic (mg/L)					
			acute	chronic			

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

13e. All tributaries to the Colorado River, from Lewis Wash to the West Salt Creek drainage, from an elevation of 5,200 feet to the Government Highline Canal, excluding the mainstems of Big Salt Wash, East Salt Creek and West Salt Creek.

COLCLC13E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic(T)	---	100
	Recreation P	acute	chronic		Beryllium(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium(T)	---	10
Other:		pH	6.5 - 9.0	---	Chromium III(T)	---	100
		chlorophyll a (mg/m ²)	---	150	Chromium VI(T)	---	100
		E. Coli (per 100 mL)	---	205	Copper(T)	---	200
		Inorganic (mg/L)			Iron	---	---
		acute	chronic		Lead(T)	---	100
		Ammonia	---	---	Manganese(T)	---	200
		Boron	---	0.75	Mercury(T)	---	---
		Chloride	---	---	Molybdenum(T)	---	150
		Chlorine	---	---	Nickel(T)	---	200
		Cyanide	0.2	---	Selenium(T)	---	20
		Nitrate	100	---	Silver	---	---
		Nitrite	10	---	Uranium	varies*	varies*
		Phosphorus	---	0.17	Zinc(T)	---	2000
		Sulfate	---	---			
		Sulfide	---	---			

13f. Asbury Creek and Sand Wash from their sources to their confluences with the Colorado River.

COLCLC13F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02-10 ^A
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	205	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.05	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

14a. Mainstem of Roan Creek, including all wetlands and tributaries, from its source to a point immediately above the confluence with Clear Creek, except for the listing in segment 14b. Clear Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Tom Creek.								
COLCLC14A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
14b. Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek.								
COLCLC14B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
		acute			chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

14c. Mainstem of Roan Creek, including all tributaries and wetlands, from a point immediately below the confluence with Kimball Creek to the confluence with the Colorado River.							
COLCLC14C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
15a. Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.							
COLCLC15A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021		Inorganic (mg/L)			Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4).		acute	chronic		Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(acute) = See 37.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nicel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

15a. Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.							
COLCLC15A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

15b. All tributaries and wetlands to Buzzard Creek from the Grand Mesa National Forest boundary to the confluence with Plateau Creek.							
COLCLC15B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

15c. Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.							
COLCLC15C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Temperature =		Chloride	---	250	Manganese	TVS	TVS/WS
DM=15.7 and MWAT=11.2 from 10/1-10/31		Chlorine	0.019	0.011	Mercury(T)	---	0.01
DM=14.1 and MWAT=CS-II from 11/1-3/31		Cyanide	0.005	---	Molybdenum(T)	---	150
DM=27.3 and MWAT=21.6 from 4/1-9/30		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

15c. Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.							
COLCLC15C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 37.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Temperature =		Chloride	---	250	Manganese	TVS	TVS/WS
DM=15.7 and MWAT=11.2 from 10/1-10/31		Chlorine	0.019	0.011	Mercury(T)	---	0.01
DM=14.1 and MWAT=CS-II from 11/1-3/31		Cyanide	0.005	---	Molybdenum(T)	---	150
DM=27.3 and MWAT=21.6 from 4/1-9/30		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

15d. Mainstem of Buzzard Creek from the Grand Mesa National Forest boundary to its confluence with Plateau Creek.								
COLCLC15D	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details. *Temperature = DM=CS-II and MWAT=CS-II from 11/1-3/31 DM=25.1 and MWAT=18.9 from 4/1-10/31		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
				Copper	TVS	TVS		
		Inorganic (mg/L)		Iron	---	WS		
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS		
16. Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding listings in segments 5, 15a and 21.								
COLCLC16	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	varies*	varies*	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details. *Temperature = DM=WS-II and MWAT=WS-II from 12/1-2/29 DM=31 and MWAT=WS-II from 3/1-11/30		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
				Copper	TVS	TVS		
		Inorganic (mg/L)		Iron	---	WS		
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11*	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS	
		Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS		

16. Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding listings in segments 5, 15a and 21.

COLCLC16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 37.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).		acute		chronic	Iron(T)	---	1000
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Temperature =		Chloride	---	250	Manganese	TVS	TVS/WS
DM=WS-II and MWAT=WS-II from 12/1-2/29		Chlorine	0.019	0.011	Mercury(T)	---	0.01
DM=31 and MWAT=WS-II from 3/1-11/30		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

17a. Rapid Creek, including all tributaries and wetlands, from its source to below the confluence with Cottonwood Creek (39.130512, -108.301028), including Kruzen Springs.							
COLCLC17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17b. Rapid Creek, including all tributaries and wetlands, from below the confluence with Cottonwood Creek (39.130512, -108.301028) to the confluence with the Colorado River.							
COLCLC17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

18. Mainstem of Little Dolores River, including all tributaries and wetlands, from its source to immediately below the confluence with Hay Press Creek.							
COLCLC18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
DM=13.9 and MWAT=CS-I from 10/1-4/30		Boron	---	0.75	Lead(T)	50	---
DM=24.4 and MWAT=CS-I from 5/1-9/30		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
19. All lakes and reservoirs tributary to the Colorado River from a point immediately below the confluence of the Colorado River and Parachute Creek to the Colorado-Utah border, except for listings in segments 9b, 13c, 20, and 21. This segment includes Highline Reservoir.							
COLCLC19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	7.6	
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20	Chromium III(T)	---	100
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

19. All lakes and reservoirs tributary to the Colorado River from a point immediately below the confluence of the Colorado River and Parachute Creek to the Colorado-Utah border, except for listings in segments 9b, 13c, 20, and 21. This segment includes Highline Reservoir.

COLCLC19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
	Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340
	Recreation E		acute	chronic	Arsenic(T)	---	7.6
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (ug/L)	---	20*	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.083*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

20. Rifle Gap Reservoir, Harvey Gap Reservoir, and Vega Reservoir.						
COLCLC20	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies* varies* B	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS
21. All lakes and reservoirs tributary to Roan Creek from the source to a point just below the confluence with Clear Creek. All lakes and reservoirs tributary to Rapid Creek from the source to the confluence with the Colorado River. All lakes and reservoirs tributary to the Little Dolores River from the source to a point immediately below the confluence with Hay Press Creek. All lakes and reservoirs tributary to Plateau Creek and within the Grand Mesa National Forest.						
COLCLC21	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340
	Recreation U	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)		Copper	TVS	TVS
		acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
				Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

Exhibit 8
Water Quality Control Division
Regulation #38

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 38 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SOUTH PLATTE RIVER BASIN, LARAMIE RIVER BASIN, REPUBLICAN RIVER BASIN, SMOKY HILL RIVER BASIN

5 CCR 1002-38

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

38.6 TABLES

(3) Table Value Standards

In certain instances in the tables in Appendix 38-1, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in the Basic Standards and Methodologies for Surface Water. The criteria for which the TVS are applicable are on the following table.

TABLE VALUE STANDARDS
(Concentrations in µg/l unless noted)

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾
Aluminum (T)	<p>Acute = $e^{(1.3695[\ln(\text{hardness})]+1.8308)}$</p> <p>pH equal to or greater than 7.0</p> <p>Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$</p> <p>pH less than 7.0</p> <p>Chronic = $e^{(1.3695[\ln(\text{hardness})]-0.1158)}$ or 87, whichever is more stringent</p>
Ammonia ⁽⁴⁾	<p>Cold Water = (mg/l as N)Total</p> $acute = \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$ $chronic = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ <p>Warm Water = (mg/l as N)Total</p> $acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$ $chronic \text{ (Apr 1 - Aug 31)} = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$ $chronic \text{ (Sep 1 - Mar 31)} = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾					
Cadmium	$\text{Acute(warm)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.443)}$ $\text{Acute(cold)}^{(5)} = (1.136672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.9789 * \ln(\text{hardness}) - 3.866)}$ $\text{Chronic} = (1.101672 - (\ln(\text{hardness}) * 0.041838)) * e^{(0.7977 * \ln(\text{hardness}) - 3.909)}$ $\text{Acute} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{(0.9151[\ln(\text{hardness})] - 3.1485)}$ $\text{Acute(Trout)} = (1.136672 - [\ln(\text{hardness}) * (0.041838)]) * e^{(0.9151[\ln(\text{hardness})] - 3.6236)}$ $\text{Chronic} = (1.101672 - [\ln(\text{hardness}) * (0.041838)]) * e^{(0.7998[\ln(\text{hardness})] - 4.4451)}$					
Chromium III ^(6B)	$\text{Acute} = e^{(0.819[\ln(\text{hardness})] + 2.5736)}$ $\text{Chronic} = e^{(0.819[\ln(\text{hardness})] + 0.5340)}$					
Chromium VI ^(5G)	$\text{Acute} = 16$ $\text{Chronic} = 11$					
Copper	$\text{Acute} = e^{(0.9422[\ln(\text{hardness})] - 1.7408)}$ $\text{Chronic} = e^{(0.8545[\ln(\text{hardness})] - 1.7428)}$					
Lead	$\text{Acute} = (1.46203 - [\ln(\text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 1.46)}$ $\text{Chronic} = (1.46203 - [\ln(\text{hardness}) * (0.145712)]) * e^{(1.273[\ln(\text{hardness})] - 4.705)}$					
Manganese	$\text{Acute} = e^{(0.3331[\ln(\text{hardness})] + 6.4676)}$ $\text{Chronic} = e^{(0.3331[\ln(\text{hardness})] + 5.8743)}$					
Nickel	$\text{Acute} = e^{(0.846[\ln(\text{hardness})] + 2.253)}$ $\text{Chronic} = e^{(0.846[\ln(\text{hardness})] + 0.0554)}$					
Selenium ^(6Z)	$\text{Acute} = 18.4$ $\text{Chronic} = 4.6$					
Silver	$\text{Acute} = \frac{1}{2} e^{(1.72[\ln(\text{hardness})] - 6.52)}$ $\text{Chronic} = e^{(1.72[\ln(\text{hardness})] - 9.06)}$ $\text{Chronic(Trout)} = e^{(1.72[\ln(\text{hardness})] - 10.51)}$					
Temperature	TEMPERATURE TIER	TIER CODE	SPECIES EXPECTED TO BE PRESENT	APPLICABLE MONTHS	TEMPERATURE STANDARD (°C)	
					(MWAT)	(DM)
	Cold Stream Tier I	CS-I	brook trout, cutthroat trout	June – Sept.	17.0	21.7
				Oct. - May	9.0	13.0
	Cold Stream Tier II	CS-II	all other cold-water species	April – Oct.	18.3	23.9
				Nov. - March	9.0	13.0
	Cold Lake	CL	brook trout, brown trout, cutthroat trout, lake trout, rainbow trout, Arctic grayling, sockeye salmon	April – Dec.	17.0	21.2
				Jan. - March	9.0	13.0
	Cold Large Lake (>100 acres surface area)	CLL	brown trout, lake trout, rainbow trout	April – Dec.	18.3	23.8
				Jan. - March	9.0	13.0
	Warm Stream Tier I	WS-I	common shiner, Johnny darter, orangethroat darter	March – Nov.	24.2	29.0
				Dec. – Feb.	12.1	14.5
	Warm Stream Tier II	WS-II	brook stickleback, central stoneroller, creek chub, longnose dace, Northern redbelly dace, finescale dace, razorback sucker, white sucker	March – Nov.	27.5	28.6
				Dec. – Feb.	13.8	14.3
	Warm Stream Tier III	WS-III	all other warm-water species	March – Nov.	28.7	31.8
				Dec. – Feb.	14.3	15.9
	Warm Lakes	WL	Yellow perch, walleye,	April – Dec.	26.3	29.5

PARAMETER ⁽¹⁾	TABLE VALUE STANDARDS ⁽²⁾⁽³⁾				
			pumpkinseed, smallmouth bass, striped bass, white bass, largemouth bass, bluegill, spottail shiner, Northern pike, tiger muskellunge, black crappie, common carp, gizzard shad, sauger, white crappie, wiper	Jan. - March	13.2 14.8
Uranium	Acute = $e^{(1.1021[\ln(\text{hardness})]+2.7088)}$ Chronic = $e^{(1.1021[\ln(\text{hardness})]+2.2382)}$				
Zinc	Acute = $0.978 \cdot e^{(0.9094[\ln(\text{hardness})]+0.9095)}$ Chronic = $0.986 \cdot e^{(0.9094[\ln(\text{hardness})]+0.6235)}$				

TABLE VALUE STANDARDS - FOOTNOTES

- (1) Metals are stated as dissolved unless otherwise specified.
- (2) Hardness values to be used in equations are in mg/l as calcium carbonate and shall be no greater than 400 mg/L except for aluminum for which hardness shall be no greater than 220 mg/L. The hardness values used in calculating the appropriate metal standard should be based on the lower 95 per cent confidence limit of the mean hardness value at the periodic low flow criteria as determined from a regression analysis of site-specific data. Where insufficient site-specific data exists to define the mean hardness value at the periodic low flow criteria, representative regional data shall be used to perform the regression analysis. Where a regression analysis is not appropriate, a site-specific method should be used. In calculating a hardness value, regression analyses should not be extrapolated past the point that data exist.
- (3) Both acute and chronic numbers adopted as stream standards are levels not to be exceeded more than once every three years on the average.
- (4) For acute conditions the default assumption is that salmonids could be present in cold water segments and should be protected, and that salmonids do not need to be protected in warm water segments. For chronic conditions, the default assumptions are that early life stages could be present all year in cold water segments and should be protected. In warm water segments the default assumption is that early life stages are present and should be protected only from April 1 through August 31. These assumptions can be modified by the Commission on a site-specific basis where appropriate evidence is submitted.
- (5) The acute(warm) cadmium equation applies to segments classified as Aquatic Life Warm Class 1 or 2. The acute(cold) cadmium equation applies to segments classified as Aquatic Life Cold Class 1 or 2.
- (56) Unless the stability of the chromium valence state in receiving waters can be clearly demonstrated, the standard for chromium should be in terms of chromium VI. In no case can the sum of the instream levels of Hexavalent and Trivalent Chromium exceed the water supply standard of 50 µg/l total chromium in those waters classified for domestic water use.
- (67) Selenium is a bioaccumulative metal and subject to a range of toxicity values depending upon numerous site-specific variables.
- (78) E.coli criteria and resulting standards for individual water segments, are established as indicators of the potential presence of pathogenic organisms. Standards for E. coli are expressed as a two-month geometric mean. Site-specific or seasonal standards are also two-month geometric means unless otherwise specified.
- (89) All phosphorus standards are based upon the concentration of total phosphorus.
- (910) The pH standards of 6.5 (or 5.0) and 9.0 are an instantaneous minimum and maximum, respectively to be applied as effluent limits. In determining instream attainment of water quality

standards for pH, appropriate averaging periods may be applied, provided that beneficial uses will be fully protected.

38.100 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

A. Aquatic Life Standards for Cadmium

Cadmium is a naturally-occurring element frequently found alongside other metals, and numerous treatment techniques are available to remove cadmium from wastewater. Cadmium has both acute and chronic effects on aquatic life, and can negatively impact survival, growth, reproduction, immune and endocrine systems, development, and behavior.

The commission revised the hardness-based cadmium table value standards to protect the Aquatic Life use. The updated standards incorporate toxicity data that have become available since the cadmium standards were last updated in the 2005 Regulation No. 31 rulemaking hearing. The updated standards are based on the United States Environmental Protection Agency's (EPA) "Aquatic Life Ambient Water Quality Criteria – 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016.

The updated standards include two acute equations (acute(cold) and acute(warm)) and one chronic equation. The acute(cold) and chronic equations are the same as the acute and chronic criteria recommended by EPA in 2016. The acute(cold) equation, which is lowered to protect trout, is protective of trout and other sensitive cold water species and applies in segments classified as Aquatic Life Cold Class 1 or 2. The acute(warm) equation, which is not lowered to protect trout, is protective of warm water species and applies in segments classified as Aquatic Life Warm Class 1 or 2. The chronic equation is protective of both cold and warm water aquatic life and applies in segments classified as either Aquatic Life Cold Class 1 or 2 or Aquatic Life Warm Class 1 or 2.

Compared to the previous cadmium table value standards, the updated standards are generally less stringent. The acute(cold) standard is less stringent than the previous acute(trout) standard when water hardness is greater than 45 mg/L CaCO₃. The acute(warm) equation is less stringent than the previous acute standard when water hardness is greater than 101 mg/L CaCO₃. The updated chronic equation is less stringent than the previous chronic standard at all water hardness values.

In the past, Colorado has had separate acute equations for waters with trout and waters without trout. The updated standards include separate acute equations for cold waters (both with and without trout) and warm waters. This change in approach is due to the addition of toxicity data showing that sculpin, which inhabit cold waters, are also sensitive to cadmium. To ensure protection of sculpin and other sensitive cold water aquatic life in waters where trout are absent, the acute(cold) equation applies to all cold waters. As a result, the acute trout (tr) qualifier for cadmium is no longer needed on select cold water segments and was deleted from all segments where it had applied.

B. Clarifications to Appendix 38-1

To improve the clarity and usability of the tables, an acronym list was added to the front of Appendix 38-1 and the footnote referencing Section 38.6 was also simplified.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-38

**REGULATION NO. 38
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
SOUTH PLATTE RIVER BASIN, LARAMIE RIVER BASIN
REPUBLICAN RIVER BASIN, SMOKY HILL RIVER BASIN**

**APPENDIX 38-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2019~~06/30/2020

Abbreviations and Acronyms

<u>Aq</u>	=	<u>Aquatic</u>
<u>°C</u>	=	<u>degrees Celsius</u>
<u>CL</u>	=	<u>cold lake temperature tier</u>
<u>CLL</u>	=	<u>cold large lake temperature tier</u>
<u>CS-I</u>	=	<u>cold stream temperature tier one</u>
<u>CS-II</u>	=	<u>cold stream temperature tier two</u>
<u>D.O.</u>	=	<u>dissolved oxygen</u>
<u>DM</u>	=	<u>daily maximum temperature</u>
<u>DUWS</u>	=	<u>direct use water supply</u>
<u>E. coli</u>	=	<u><i>Escherichia coli</i></u>
<u>EQ</u>	=	<u>existing quality</u>
<u>mg/L</u>	=	<u>milligrams per liter</u>
<u>mg/m²</u>	=	<u>milligrams per square meter</u>
<u>mL</u>	=	<u>milliliter</u>
<u>MWAT</u>	=	<u>maximum weekly average temperature</u>
<u>OW</u>	=	<u>outstanding waters</u>
<u>SSE</u>	=	<u>site-specific equation</u>
<u>T</u>	=	<u>total recoverable</u>
<u>t</u>	=	<u>total</u>
<u>tr</u>	=	<u>trout</u>
<u>TVS</u>	=	<u>table value standard</u>
<u>µg/L</u>	=	<u>micrograms per liter</u>
<u>UP</u>	=	<u>use-protected</u>
<u>WS</u>	=	<u>water supply</u>
<u>WS-I</u>	=	<u>warm stream temperature tier one</u>
<u>WS-II</u>	=	<u>warm stream temperature tier two</u>
<u>WS-III</u>	=	<u>warm stream temperature tier three</u>
<u>WL</u>	=	<u>warm lake temperature tier</u>

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

1a. Mainstem of the South Platte River from the source of the South and Middle Forks to the inlet of Cheesman Reservoir.						
COSPUS01A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I*	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).
 *Temperature = summer criteria apply from 4/1-10/31

1b. All tributaries to the South Platte River, including wetlands within the Lost Creek and Mt. Evans Wilderness Areas.						
COSPUS01B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

2a. All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for specific listings in Segment 1b, 2b and 2c.

COSPUS02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

2b. Mainstem of Mosquito Creek from the confluence with South Mosquito Creek to its confluence with the Middle Fork of the South Platte River.

COSPUS02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	---	220

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

2c. South Mosquito Creek from the source to confluence with Mosquito Creek and No Name Creek from the source to the confluence with South Mosquito Creek.						
COSPUS02C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	---
						280

3. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with Tarryall Creek to a point immediately above the confluence with the North Fork of the South Platte River, except for specific listings in Segment 1b.						
COSPUS03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

4. Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from the source to the confluence with the South Platte River, except for specific listings in Segments 1b, 5a, 5b, and 5c.

COSPUS04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Water Supply Agriculture Aq Life Cold 1 Recreation E		DM	MWAT		acute	chronic
Reviewable		Temperature °C	CS-I	CS-I	Aluminum	---	---
			acute	chronic	Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:	pH 6.5 - 9.0 --- chlorophyll a (mg/m²) --- 150* E. Coli (per 100 mL) --- 126 Inorganic (mg/L) acute chronic Ammonia TVS TVS Boron --- 0.75 Chloride --- 250 Chlorine 0.019 0.011 Cyanide 0.005 --- Nitrate 10 --- Nitrite --- 0.05 Phosphorus --- 0.11* Sulfate --- WS Sulfide --- 0.002	pH	6.5 - 9.0	---	Cadmium	TVS(±)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).					Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

5a. Mainstem of Geneva Creek from the source to the confluence with Scott Gomer Creek.

COSPUS05A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	3.5-9.0	---	Cadmium	---
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	2
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	---	100
				Chromium VI	---	---
		acute	chronic	Chromium VI(T)	---	25
		Ammonia	TVS	TVS	Copper	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	---
		Chlorine	0.019	0.011	Lead(T)	---
		Cyanide	0.005	---	Manganese	---
		Nitrate	100	---	Mercury(T)	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	---
		Sulfate	---	---	Nickel(T)	---
		Sulfide	---	0.002	Selenium	---
					Selenium(T)	---
					Silver	---
					Silver(T)	---
					Uranium	---
					Zinc	---
						190

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

5b. Mainstem of Geneva Creek from the confluence with Scott Gomer Creek to the confluence with the North Fork of the South Platte River; all tributaries of Geneva Creek including wetlands from source to confluence with the North Fork of the South Platte River.

COSPUS05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

5c. Mainstem of Gooseberry Gulch and all tributaries from source to Sunset Trail.

COSPUS05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation U	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.05	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

5d. Mainstem of Gooseberry Gulch and all tributaries from Sunset Trail to confluence with Elk Creek.						
COSPUS05D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation U	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	---
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	---
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	WS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	---
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	TVS

6a. Mainstem of the South Platte River from the outlet of Cheesman Reservoir to the inlet of Chatfield Reservoir.						
COSPUS06A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	---
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	---
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	WS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	---
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

6b. Chatfield Reservoir								
COSPUS06B	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	
	Recreation E	Temperature °C	4/1 - 12/31	CLL	23.5	Arsenic	340	
	Water Supply					Arsenic(T)	---	
Qualifiers:				acute	chronic	Beryllium	---	
Other: *chlorophyll a (ug/L)(chronic) = measured through samples that are representative of the mixed layer during July-Sept, with an allowable exceedance frequency of 1in 5 yrs. See section 38.6(4) for assessment thresholds. *Phosphorus(chronic) = See section 38.6(4) for assessment thresholds.		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	
		pH		6.5 - 9.0	---	Chromium III	---	
		chlorophyll a (ug/L)		7/1 - 9/30	---	10*	Chromium III(T)	50
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	
						Copper	TVS	
						Iron	---	
						Iron(T)	---	
						Lead	TVS	
						Lead(T)	50	
						Manganese	TVS	
						Mercury	---	
						Molybdenum(T)	---	
						Nickel	TVS	
						Nickel(T)	---	
						Selenium	TVS	
						Silver	TVS	
						Uranium	---	
						Zinc	TVS	
6c. Deleted.								
COSPUS06C	Classifications	Physical and Biological				Metals (ug/L)		
Designation				DM	MWAT	acute chronic		
Qualifiers:				acute	chronic			
Other:								
		Inorganic (mg/L)						
				acute	chronic			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

7. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with the North Fork of the South Platte River to the outlet of Chatfield Reservoir except for specific listings in Segments 8, 9, 10, 11, 12, and 13.

COSPUS07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	CS-II		CS-II	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02-10 ^A
Qualifiers:		---		7.0	---		---
Other:		6.5 - 9.0		---	TVS(tr)		TVS
		---		150	5.0		---
		---		126	---		TVS
					50		---
		Inorganic (mg/L)			TVS		TVS
		acute		chronic	TVS		TVS
	Ammonia	TVS		TVS	---		WS
	Boron	---		0.75	---		1000
	Chloride	---		250	TVS		TVS
	Chlorine	0.019		0.011	50		---
	Cyanide	0.005		---	TVS		TVS/WS
	Nitrate	10		---	---		0.01(t)
	Nitrite	---		0.05	---		150
	Phosphorus	---		0.11	TVS		TVS
	Sulfate	---		WS	---		100
	Sulfide	---		0.002	TVS		TVS
					TVS		TVS(tr)
					---		---
					TVS		TVS

8. Mainstems of East and West Plum Creek from the source to the boundary of National Forest lands, including all tributaries and wetlands within the Plum Creek drainage which are on National Forest Lands, except for the specific listing in Segment 9.

COSPUS08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-I		CS-I	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02
Qualifiers:		---		7.0	---		---
Other:		6.5 - 9.0		---	TVS(tr)		TVS
		---		150	5.0		---
		---		126	---		TVS
					50		---
		Inorganic (mg/L)			TVS		TVS
		acute		chronic	TVS		TVS
	Ammonia	TVS		TVS	---		WS
	Boron	---		0.75	---		1000
	Chloride	---		250	TVS		TVS
	Chlorine	0.019		0.011	50		---
	Cyanide	0.005		---	TVS		TVS/WS
	Nitrate	10		---	---		0.01(t)
	Nitrite	---		0.05	---		150
	Phosphorus	---		0.11	TVS		TVS
	Sulfate	---		WS	---		100
	Sulfide	---		0.002	TVS		TVS
					TVS		TVS(tr)
					---		---
					TVS		TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

9. Mainstem of Bear Creek, including all tributaries and wetlands from the source to the inlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir (Douglas County).						
COSPUS09	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

10a. Mainstems of East Plum Creek, West Plum Creek, and Plum Creek from the boundary of National Forest lands to Chatfield Reservoir, mainstems of Stark Creek and Gove Creek from the boundary of National Forest lands to their confluence.						
COSPUS10A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17*	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

10b. Deleted.

COSPUS10B	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Qualifiers:		acute	chronic		
Other:					
		Inorganic (mg/L)			
		acute	chronic		

11a. All tributaries to the East Plum Creek system, including all wetlands which are not on national forest lands.

COSPUS11A	Classifications	Physical and Biological		Metals (ug/L)			
Designation		DM	MWAT	acute	chronic		
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
	Ammonia		TVS	TVS	Chromium VI	TVS	TVS
	Boron	---		0.75	Copper	TVS	TVS
	Chloride	---		250	Iron	---	WS
	Chlorine	0.019		0.011	Iron(T)	---	1000
	Cyanide	0.005		---	Lead	TVS	TVS
	Nitrate	10		---	Lead(T)	50	---
	Nitrite	---		0.5	Manganese	TVS	TVS/WS
	Phosphorus	---		0.17	Mercury	---	0.01(t)
	Sulfate	---		WS	Molybdenum(T)	---	150
	Sulfide	---		0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

11b. All tributaries to the West Plum Creek system, including all wetlands, which are not on national forest lands, except for specific listings in Segments 9 and 12.						
COSPUS11B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.17*	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS
						TVS
12. Mainstem of Garber Creek and Jackson Creek from the boundary of National Forest lands to the confluence with West Plum Creek; mainstem of Bear Creek from the outlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir, to the confluence with West Plum Creek.						
COSPUS12	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

13. Mainstem of Deer Creek, including the North and South Forks, from the source to Chatfield Reservoir.						
COSPUS13	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

14. Mainstem of the South Platte River from the outlet of Chatfield Reservoir to the Burlington Ditch diversion in Denver, Colorado.						
COSPUS14	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-I*	WS-I*	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	50	---
Chloride(chronic) = current condition		Ammonia	TVS	TVS	Chromium VI	TVS
temperature(DM/MWAT) = current condition	12/1 - 2/13	Boron	---	0.75	Copper	---
Expiration Date of 12/31/2020		Chloride	---	250	Copper	TVS*
		Chlorine	0.019	0.011	Iron	---
		Cyanide	0.005	---	Iron(T)	---
		Nitrate	10	---	Lead	TVS
		Nitrite	---	0.5	Lead(T)	50
		Phosphorus	---	---	Manganese	TVS
		Sulfate	---	WS	Mercury	---
		Sulfide	---	0.002	Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

15. Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado, to a point immediately below the confluence with Big Dry Creek.							
COSPUS15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	varies*	varies*	Arsenic(T)	---	
Qualifiers:		pH	6.0-9.0*	---	Beryllium	---	
Other: Temporary Modification(s): Chloride(chronic) = current condition Sulfate(chronic) = current condition temperature(DM/MWAT) = current condition Expiration Date of 12/31/2020 Discharger Specific Variance(s): Selenium(acute) = TVS: no limit Selenium(chronic) = TVS: 24 µg/L Expiration Date of 12/31/2023 *Ammonia(acute) = See attached table for site-specific standards. *Ammonia(chronic) = See attached table for site-specific standards. *Copper(acute) = Copper BLM-based FMB Cu FMB(ac)=35.1 ug/l Downstream of the Metro Hite WWTF outfall. *Copper(chronic) = Copper BLM-based FMB Cu FMB(ch)= 23.5 ug/l Downstream of the Metro Hite WWTF outfall. *D.O. (mg/L)(acute) = See attached table for site-specific standards. *D.O. (mg/L)(chronic) = See attached table for site-specific standards. *pH(acute) = 6.0 - 9.0 from 64th Ave. downstream 2 miles *Variance: Selenium = see 38.6(6) for details.		pH	6.5 - 9.0	---	Cadmium	TVS	
		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic	Copper	---	TVS*	
		Ammonia	TVS*	TVS*	Copper	TVS*	---
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/400
		Nitrite	---	1.0	Mercury	---	0.01(t)
		Phosphorus	---	---	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
		Selenium	TVS	TVS			
		Silver	TVS	TVS			
		Uranium	---	---			
		Zinc	TVS	TVS			
		16a. Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.					
COSPUS16A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Other:		pH	6.5 - 9.0	---	Beryllium	---	
		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
		Zinc	TVS	TVS			

16a. Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.							
COSPUS16A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16b. Aurora Reservoir.						
COSPUS16B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
16c. All tributaries to the South Platte River, including all wetlands, from the outlet of Chatfield Reservoir, to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16a, 16d, 16e, 16f, 16g, 16h, 16i, 16j, and 16k.						
COSPUS16C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.17*	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16d. Second Creek from the source to the O'Brian Canal.

COSPUS16D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	3.3*	Arsenic(T)	---	100
<div>Other:</div> <div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).</div> <div>*D.O. (mg/L)(chronic) = 15th percentile of D.O. measurements collected between 6:30 a.m. and 6:30 p.m.</div>		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

16e. Third Creek from the source to the O'Brian Canal.

COSPUS16E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	4.0*	Arsenic(T)	---	100
Other: *D.O. (mg/L)(chronic) = 15th percentile of D.O. measurements collected between 6:30 a.m. and 6:30 p.m.		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16f. Barr Lake Tributary from the source to the Denver Hudson Canal.							
COSPUS16F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	narrative*	Arsenic(T)	---	100
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *D.O. (mg/L)(chronic) = When water is present, D.O. concentrations shall be maintained at levels that protect classified uses.		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

16g. Marcy Gulch, including all wetlands from the source to the confluence with the South Platte.							
COSPUS16G Classifications		Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
Temporary Modification(s): temperature(DM/MWAT) = current 12/1 - 2/29 condition* Expiration Date of 12/31/2020 *Copper(acute) = Copper BLM-based FMB Cu FMB(ac)=67.1 ug/l below the Centennial WWTF. *Copper(chronic) = Copper BLM-based FMB Cu FMB(ch)=43.3 ug/l below the Centennial WWTF. *Selenium(acute) = See section 38.6(4)(b) for assessment locations. *Selenium(chronic) = See section 38.6(4)(b) for assessment locations. *TempMod: temperature(12/1 - 2/29) = downstream of Centennial WWTF		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)		Chromium III(T)	---	100	
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	---	TVS*
		Boron	---	0.75	Copper	TVS*	---
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	100	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	---
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	---	Selenium	21*	13*
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16h. Mainstem of West Toll Gate Creek, including all tributaries and wetlands, upstream of the confluence with East Toll Gate Creek. Mainstem of East Toll Gate Creek, including all tributaries and wetlands, upstream of the confluence with West Toll Gate Creek. Mainstem of Toll Gate Creek, downstream of the confluence of East and West Toll Gate Creeks, to the confluence with Sand Creek.

COSPUS16H	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers: Fish Ingestion Standards Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Selenium(acute) = See section 38.6(4)(b) for selenium standards and assessment locations. *Selenium(chronic) = See section 38.6(4)(b) for selenium standards and assessment locations.	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6	
	pH	6.5 - 9.0	---	Beryllium	---	---	
	chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS	
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS	
	Inorganic (mg/L)			Chromium III(T)	---	100	
	acute	chronic		Chromium VI	TVS	TVS	
	Ammonia	TVS	TVS	Copper	TVS	TVS	
	Boron	---	0.75	Iron(T)	---	1000	
	Chloride	---	---	Lead	TVS	TVS	
	Chlorine	0.019	0.011	Manganese	TVS	TVS	
	Cyanide	0.005	---	Mercury	---	0.01(t)	
	Nitrate	100	---	Molybdenum(T)	---	150	
	Nitrite	---	0.5	Nickel	TVS	TVS	
	Phosphorus	---	0.17*	Selenium	varies*	varies*	
	Sulfate	---	---	Silver	TVS	TVS	
	Sulfide	---	0.002	Uranium	---	---	
				Zinc	TVS	TVS	

16i. Mainstem of Sand Creek from the confluence with Toll Gate Creek to the confluence with the South Platte River.

COSPUS16I	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers: Fish Ingestion Standards Other: Discharger Specific Variance(s): Selenium(acute) = TVS: no limit Selenium(chronic) = 9: 24 µg/L Expiration Date of 12/31/2023 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Mercury(chronic) = 0.026 below Brighton Blvd, see section 38.6(4)(f) for mercury assessment locations *Selenium(acute) = See section 38.6(4)(f) for selenium standards and assessment locations. *Selenium(chronic) = See section 38.6(4)(f) for selenium standards and assessment locations. *Variance: Selenium = see 38.6(6) for details.	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6	
	pH	6.5 - 9.0	---	Beryllium	---	---	
	chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS	
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS	
	Inorganic (mg/L)			Chromium III(T)	---	100	
	acute	chronic		Chromium VI	TVS	TVS	
	Ammonia	TVS	TVS	Copper	TVS	TVS	
	Boron	---	0.75	Iron(T)	---	1000	
	Chloride	---	---	Lead	TVS	TVS	
	Chlorine	0.019	0.011	Manganese	TVS	TVS	
	Cyanide	0.005	---	Mercury	---	0.01(t)	
	Nitrate	10	---	Mercury	---	0.026(t)*	
	Nitrite	---	0.5	Molybdenum(T)	---	150	
	Phosphorus	---	0.17*	Nickel	TVS	TVS	
	Sulfate	---	---	Selenium	---	varies*	
	Sulfide	---	0.002	Selenium	varies*	---	
				Silver	TVS	TVS	
				Uranium	---	---	
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16j. Lee Gulch, Little's Creek, Big Dry Creek (Douglas and Arapahoe Counties), and Little Dry Creek, including all wetlands from the source to the confluence with the South Platte.						
COSPUS16J	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Selenium(acute) = See section 38.6(4)(h) for selenium standards and assessment locations. *Selenium(chronic) = See section 38.6(4)(h) for selenium standards and assessment locations.		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17*	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	varies*
					Silver	TVS
					Uranium	---
					Zinc	TVS
16k. Mainstem of Lakewood Gulch from the source to the confluence with the South Platte.						
COSPUS16K	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	7.6
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	100
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	---
		Cyanide	0.005	---	Mercury	0.01(t)
		Nitrate	100	---	Molybdenum(T)	150
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.17*	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

17a. Washington Park Lakes, City Park Lakes, Rocky Mountain Lake, Berkely Lake.

COSPUS17A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1 Recreation E	Temperature °C	WL WL	Aluminum	---
		acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	7.6
Other:		pH	6.5 - 9.0	Beryllium	---
		chlorophyll a (ug/L)	---	Cadmium	TVS
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	100
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury	0.01(t)
		Nitrate	100	Molybdenum(T)	150
		Nitrite	---	Nickel	TVS
		Phosphorus	---	Selenium	TVS
		Sulfate	---	Silver	TVS
		Sulfide	---	Uranium	---
				Zinc	TVS

17b. Sloan's Lake.

COSPUS17B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1 Recreation E	Temperature °C	WL WL	Aluminum	---
		acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	7.6
Other:		pH	6.5 - 9.0	Beryllium	---
		chlorophyll a (ug/L)	---	Cadmium	TVS
		E. Coli (per 100 mL)	126	Chromium III	TVS
		Inorganic (mg/L)		Chromium III(T)	100
		acute	chronic	Chromium VI	TVS
		Ammonia	TVS	Copper	TVS
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Manganese	TVS
		Cyanide	0.005	Mercury	0.01(t)
		Nitrate	100	Molybdenum(T)	150
		Nitrite	---	Nickel	TVS
		Phosphorus	---	Selenium	TVS
		Sulfate	---	Silver	TVS
		Sulfide	---	Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

17c. Bowles Lake, a.k.a. Patrick Reservoir or Bow Mar Lake.						
COSPUS17C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	TVS
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	TVS
		chlorophyll a (ug/L)	---	---	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	---	0.5	Silver	TVS
		Phosphorus	---	---	Uranium	---
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

18. Lakes and reservoirs within the boundaries of the Lost Creek and Mt. Evans Wilderness areas.						
COSPUS18	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

Upper South Platte River Basin

19. Lakes and reservoirs in the South Platte River system from headwaters to Chatfield Reservoir, except for specific listings in Segment 18. Includes Antero, Spinney Mountain, Elevenmile, Cheesman, and Strontia Springs.

[illegible]

T = total recoverable

```
tr = trout
```

DM = daily maximum

See 38.6 for further details on applied standards~~for details on TVS;~~
~~TVS(tr), WS, temperature standards.~~

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

20. Lakes and reservoirs in the Plum Creek system within National Forest boundaries; and lakes and reservoirs in the Bear Creek drainage between the National Forest boundary and to the inlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir (Douglas County).

COSPUS20	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Reviewable	Agriculture				
	Aq Life Cold 1	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply			Arsenic(T)	---
Qualifiers:		D.O. (mg/L)	6.0		0.02
		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	126	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
	Ammonia	TVS	TVS	Iron	WS
	Boron	---	0.75	Iron(T)	1000
	Chloride	---	250	Lead	TVS
	Chlorine	0.019	0.011	Lead(T)	50
	Cyanide	0.005	---	Manganese	TVS
	Nitrate	10	---	Mercury	0.01(t)
	Nitrite	---	0.05	Molybdenum(T)	150
	Phosphorus	---	---	Nickel	TVS
	Sulfate	---	WS	Nickel(T)	100
	Sulfide	---	0.002	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

21. Lakes and reservoirs in the Plum Creek system except for specific listings in Segment 20.						
COSPUS21	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS*	pH	6.5 - 9.0	---	Arsenic(T)	0.02-10 ^A
					Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

22a. Lakes and reservoirs in watersheds tributary to the South Platte River from the outlet of Chatfield Reservoir to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16b, 17a, 17b, 17c, 22b, and 23.						
COSPUS22A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Water + Fish Standards		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Other:		Inorganic (mg/L)			Chromium III	---
Temporary Modification(s):		acute	chronic	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Ammonia	TVS	TVS	Chromium VI	TVS
Expiration Date of 12/31/2021		Boron	---	0.75	Copper	TVS
*Classification: DUWS applies to McLellan and Quincy only.		Chloride	---	250	Iron	---
*Molybdenum(T)(chronic) = 210 ug/L for McLellan Reservoir		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

22b. Lakes and reservoirs located in the Rocky Mountain Arsenal National Wildlife Refuge						
COSPUS22B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
	Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	150
	Nitrite	---	0.5	Nickel	TVS	TVS
	Phosphorus	---	---	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
				Zinc	TVS	TVS

23. Lakes and reservoirs in watersheds tributary to the Upper South Platte River and within the City and County of Denver, except for specific listings in the other subbasins of the South Platte River and in Segments 17a and 17b..						
COSPUS23	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:	D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Fish Ingestion Standards	pH	6.5 - 9.0	---	Beryllium	---	---
Other:	chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
	Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	150
	Nitrite	---	0.5	Nickel	TVS	TVS
	Phosphorus	---	---	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
				Zinc	TVS	TVS

*See section 38.7 (Marston Forebay).

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

UPPER SOUTH PLATTE RIVER SEGMENT 15

Site-Specific Minimum Dissolved Oxygen and Ammonia Standards

UNDERLYING STANDARDS

Dissolved Oxygen

Early Life Stage Protection Period (April 1 through July 31)

1-Day^{1,5,6} 3.0 mg/L (acute)

7-Day Average^{1,2,4} 5.0 mg/L

Older Life Stage Protection Period (August 1 through March 31)

1-Day^{1,5} 2.0 mg/L (acute)

7-Day Mean of Minimums^{1,3} 2.5 mg/L

30-Day Average^{1,2} 4.5 mg/L

TEMPORARY MODIFICATION

During the period until October 31, 2001, the Segment 15 dissolved oxygen standards from 88th Avenue north to the end of the Segment shall be the currently existing ambient conditions as monitored in 1992, 1993, and 1994 by the Division and by the Metro District. Beginning November 1, 2001, the standards shall apply to all sections of Segment 15 south of the Brighton Ditch diversion. The standards north of the Brighton Ditch diversion shall continue to be the ambient conditions existing in 1992, 1993, and 1994. Beginning November 1, 2004, the standards shall apply to all sections of Segment 15.

Refer to Section 38(6)(4)(c) for Dissolved Oxygen assessment locations.

Footnotes

1. For the purposes of determining compliance with the standards, dissolved oxygen measurements shall only be taken in the flowing portion of the stream at mid-depth, and at least six inches above the bottom of the channel. All sampling protocols and test procedures shall be in accordance with procedures and protocols approved by the Division.

2. A minimum of four independent daily means must be used to calculate the average for the 7-Day Average standard. A minimum of eight independent daily means must be used to calculate the average for the 30-Day Average standard. The four days and the eight days must be representative of the 7-Day and the 30-Day periods respectively. The daily means shall be the mean of the daily high and low values. In calculating the mean values, the dissolved oxygen saturation value shall be used in place of any dissolved oxygen measurements which exceed saturation.
3. The 7-Day Mean minimum is the average of the daily minimums measured at the location on each day during any 7-Day period.
4. North of the Lupton Bottoms Ditch diversion, the ELS 7-Day average standards for the period July 1 – June 31 shall be 4.6 mg/L.
5. During a 24 hour day dissolved oxygen levels are likely to be lower during the nighttime when there is no photosynthesis. The dissolved oxygen levels should not drop below the acute standard (ELS acute standard of 3.0 mg/L or the OLS standards of 2.0 mg/L). However, if during the ELS period multiple measurements are below 3.0 mg/L during the same nighttime period, the multiple measurements shall be considered a single exceedance of the acute standard. For measurements below 2.0 mg/L during either the ELS or the OLS periods, each hourly measurement below 2.0 mg/L shall be considered an exceedance of the acute standards.
6. In July, the dissolved oxygen level in Segment 15 may be lower than the 3.0 mg/L acute standard for up to 14 exceedances in any one year and up to a total of 21 exceedances in three years before there is a determination that the acute dissolved oxygen standards is not being met. Exceedances shall be counted as described in Footnote 5.

Ammonia:

Early Life Stage Protection Period (April 1 through July 31)

Ammonia

Warm Water = (mg/l as N)Total

$$acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

$$chronic (Apr1 - July31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$$

$$chronic(Aug1 - Mar31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$$

NH₃ = old TVS

Warm Water Acute = 0.62/FT/FP/2^(4 old) in mg/ (N)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cherry Creek Basin

1. Mainstem of Cherry Creek from the source of East and West Cherry Creek to the inlet of Cherry Creek Reservoir.

COSPCH01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

2. Cherry Creek Reservoir.

COSPCH02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (ug/L)	7/1 - 9/30	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cherry Creek Basin

3. Mainstem of Cherry Creek from the outlet of Cherry Creek Reservoir to the confluence with the South Platte River.							
COSPCH03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

4a. All tributaries to Cherry Creek, including all wetlands, from the source of East and West Cherry Creeks to the confluence with the South Platte River except for specific listings in Segment 4b.

COSPCH04A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---	
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = effective 12/31/2020. Applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---	
		Inorganic (mg/L)			Chromium III	---	TVS	
				acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS	
		Boron	---	0.75	Copper	TVS	TVS	
		Chloride	---	250	Iron	---	WS	
		Chlorine	0.019	0.011	Lead	TVS	TVS	
		Cyanide	0.005	---	Lead(T)	50	---	
		Nitrate	10	---	Manganese	TVS	TVS/WS	
		Nitrite	---	0.5	Mercury	---	0.01(t)	
		Phosphorus	---	0.17*	Molybdenum(T)	---	150	
		Sulfate	---	WS	Nickel	TVS	TVS	
		Sulfide	---	0.002	Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cherry Creek Basin

4b. Cottonwood Creek, including all tributaries and wetlands, from the source to Cherry Creek Reservoir.						
COSPCH04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = effective 12/31/2020. Applies only above the facilities listed at 38.5(4). *Selenium(acute) = See section 38.6(4)(i) for selenium standards and assessment locations. *Selenium(chronic) = See section 38.6(4)(i) for selenium standards and assessment locations.		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.5	Mercury	---
		Phosphorus	---	0.17*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	varies*
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
5. Lakes and reservoirs in the Cherry Creek system from the source of East and West Cherry Creeks to the confluence with the South Platte River, except for specific listings in Segments 2 and 6.						
COSPCH05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.083*	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cherry Creek Basin

6. Lakes and reservoirs in watersheds tributary to Cherry Creek within the City and County of Denver.							
COSPCH06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Fish Ingestion Standards		pH	6.5 - 9.0	---	Beryllium	---	
Other:		chlorophyll a (ug/L)	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

Bear Creek Basin

1a. Mainstem of Bear Creek from the boundary of the Mt. Evans Wilderness area to the inlet of Evergreen Lake.													
COSPBE01A	Classifications		Physical and Biological				Metals (ug/L)						
Designation	Agriculture		DM		MWAT		acute		chronic				
Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I		Aluminum	---	---				
	Recreation E		acute		chronic		Arsenic	340	---				
	Water Supply		D.O. (mg/L)	---		6.0		Arsenic(T)	---	0.02			
Qualifiers:			D.O. (spawning)		---		7.0		Beryllium	---	---		
Other:			pH		6.5 - 9.0		---		Cadmium	TVS(†)	TVS		
Temporary Modification(s):			chlorophyll a (mg/m²)		---		150*		Cadmium(T)	5.0	---		
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)		---		126		Chromium III	---	TVS		
Expiration Date of 12/31/2021							Chromium III(T)		50	---			
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).			Inorganic (mg/L)				Chromium VI		TVS	TVS			
			acute		chronic		Copper		TVS	TVS			
			Ammonia		TVS		TVS		Iron		---	WS	
			Boron		---		0.75		Iron(T)		---	1000	
			Chloride		---		250		Lead		TVS	TVS	
			Chlorine		0.019		0.011		Lead(T)		50	---	
			Cyanide		0.005		---		Manganese		TVS	TVS/WS	
			Nitrate		10		---		Mercury		---	0.01(t)	
			Nitrite		---		0.05		Molybdenum(T)		---	150	
			Phosphorus		---		0.11*		Nickel		TVS	TVS	
			Sulfate		---		WS		Nickel(T)		---	100	
			Sulfide		---		0.002		Selenium		TVS	TVS	
									Silver		TVS	TVS(tr)	
									Uranium		---	---	
									Zinc		TVS	TVS	
			1b. Mainstem of Bear Creek from Harriman Ditch to the inlet of Bear Creek Reservoir.										
			COSPBE01B	Classifications		Physical and Biological				Metals (ug/L)			
Designation	Agriculture		DM		MWAT		acute		chronic				
Reviewable	Aq Life Cold 2		Temperature °C	11/1 - 3/31	CS-II		CS-II		Aluminum	---	---		
	Recreation E		Temperature °C	4/1 - 10/31	CS-II		19.3		Arsenic	340	---		
	Water Supply						Arsenic(T)		---	0.02			
Qualifiers:			acute		chronic		Beryllium		---	---			
Water + Fish Standards			D.O. (mg/L)		---		6.0		Cadmium	TVS(†)	TVS		
Other:			D.O. (spawning)		---		7.0		Cadmium(T)	5.0	---		
Temporary Modification(s):			pH		6.5 - 9.0		---		Chromium III	---	TVS		
Arsenic(chronic) = hybrid			chlorophyll a (mg/m²)		---		---		Chromium III(T)	50	---		
Expiration Date of 12/31/2021			E. Coli (per 100 mL)		---		126		Chromium VI	TVS	TVS		
							Copper		TVS	TVS			
			Inorganic (mg/L)				Iron		---	WS			
			acute		chronic		Iron(T)		---	1000			
			Ammonia		TVS		TVS		Lead	TVS	TVS		
			Boron		---		0.75		Lead(T)	50	---		
			Chloride		---		250		Manganese	TVS	TVS/WS		
			Chlorine		0.019		0.011		Mercury	---	0.01(t)		
			Cyanide		0.005		---		Molybdenum(T)	---	150		
			Nitrate		10		---		Nickel	TVS	TVS		
			Nitrite		---		0.05		Nickel(T)	---	100		
			Phosphorus		---		---		Selenium	TVS	TVS		
			Sulfate		---		WS		Silver	TVS	TVS(tr)		
			Sulfide		---		0.002		Uranium	---	---		
							Zinc		TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 ~~for further details on applied standards~~ for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

1c. Bear Creek Reservoir.								
COSPBE01C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 12/31	CLL	23.3	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:			acute	chronic	Beryllium	---	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 chlorophyll a (ug/L)(chronic) = current condition Phosphorus(chronic) = current condition Expiration Date of 12/31/2020 *chlorophyll a (ug/L)(chronic) = mean concentration measured through collection of samples that are representative of the mixed layer during summer months (July, August, September) and with an exceedance frequency of once in five years. *Phosphorus(chronic) = mean concentration measured through collection of samples that are representative of the mixed layer during summer months (July, August, September) and with an exceedance frequency of once in five years.		D.O. (mg/L)	---	6.0	Cadmium	TVS(†)	TVS	
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (ug/L)	7/1 - 9/30	---	12.2*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
			Inorganic (mg/L)		Iron	---	WS	
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury	---	0.01(t)	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	---	0.05	Nickel(T)	---	100	
		Phosphorus	7/1 - 9/30	---	22.2*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
Sulfide	---	0.002	Uranium	---	---			
			Zinc	TVS	TVS			
1d. Evergreen Lake.								
COSPBE01D	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
	DUWS	D.O. (spawning)	---	7.0	Beryllium	---	---	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
Other:		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
			Inorganic (mg/L)		Chromium VI	TVS	TVS	
			acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 ~~for further details on applied standards~~ for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

1e. Mainstem of Bear Creek from the outlet of Evergreen Lake to the Harriman Ditch.							
COSPBE01E	Classifications	Physical and Biological				Metals (ug/L)	
Designation	Agriculture	DM		MWAT		acute chronic	
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---
	Recreation E	Temperature °C	4/1 - 10/31	CS-II	19.3	Arsenic	340
	Water Supply					Arsenic(T)	---
Qualifiers:		acute		chronic		Beryllium	---
Other:		D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)
Temporary Modification(s):		D.O. (spawning)	---	7.0		Cadmium(T)	5.0
Arsenic(chronic) = hybrid		pH	6.5 - 9.0	---		Chromium III	---
Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---		Chromium III(T)	50
		E. Coli (per 100 mL)	---	126		Chromium VI	TVS
						Copper	TVS
		Inorganic (mg/L)				Iron	---
		acute		chronic		Iron(T)	---
		Ammonia	TVS	TVS		Lead	TVS
		Boron	---	0.75		Lead(T)	50
		Chloride	---	250		Manganese	TVS
		Chlorine	0.019	0.011		Mercury	---
		Cyanide	0.005	---		Molybdenum(T)	---
		Nitrate	10	---		Nickel	TVS
		Nitrite	---	0.05		Nickel(T)	---
		Phosphorus	---	---		Selenium	TVS
		Sulfate	---	WS		Silver	TVS
		Sulfide	---	0.002		Uranium	---
						Zinc	TVS
2. Mainstem of Bear Creek from the outlet of Bear Creek Reservoir to the confluence with the South Platte River.							
COSPBE02	Classifications	Physical and Biological				Metals (ug/L)	
Designation	Agriculture	DM		MWAT		acute chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II		Aluminum	---
	Recreation E		acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0		Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---		Beryllium	---
Other:		chlorophyll a (mg/m²)	---	---		Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126		Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)				Chromium III	---
Expiration Date of 12/31/2021		acute		chronic		Chromium III(T)	50
		Ammonia	TVS	TVS		Chromium VI	TVS
		Boron	---	0.75		Copper	TVS
		Chloride	---	250		Iron	---
		Chlorine	0.019	0.011		Iron(T)	---
		Cyanide	0.005	---		Lead	TVS
		Nitrate	10	---		Lead(T)	50
		Nitrite	---	0.5		Manganese	TVS
		Phosphorus	---	---		Mercury	---
		Sulfate	---	WS		Molybdenum(T)	---
		Sulfide	---	0.002		Nickel	TVS
						Nickel(T)	---
						Selenium	TVS
						Silver	TVS
						Uranium	---
						Zinc	TVS

2. Mainstem of Bear Creek from the outlet of Bear Creek Reservoir to the confluence with the South Platte River.							
COSPBE02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---	TVS
Expiration Date of 12/31/2021		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

3. All tributaries to Bear Creek, including all wetlands, from the source to the outlet of Evergreen Lake. Except for specific listings in Segment 7.

COSPBE03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

4a. All tributaries to Bear Creek, including all wetlands, from the outlet of Evergreen Lake to the confluence with the South Platte River, except for specific listings in Segments 5, 6a, and 6b.

COSPBE04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

4b. Deleted.				
COSPBE04B	Classifications	Physical and Biological		Metals (ug/L)
Designation		DM	MWAT	acute chronic
Qualifiers:		acute	chronic	
Other:				
		Inorganic (mg/L)		
		acute	chronic	

4c. Deleted.				
COSPBE04C	Classifications	Physical and Biological		Metals (ug/L)
Designation		DM	MWAT	acute chronic
Qualifiers:		acute	chronic	
Other:				
		Inorganic (mg/L)		
		acute	chronic	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS;
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

5. Swede, Kerr, Sawmill, Troublesome, and Cold Springs Gulches, and mainstem of Cub Creek from the source to the confluence with Bear Creek.						
COSPBE05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

6a. Turkey Creek system, including all tributaries and wetlands, from the source to the inlet of Bear Creek Reservoir, except for specific listings in Segment 6b.						
COSPBE06A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

6b. Mainstem of North Turkey Creek, from the source to the confluence with Turkey Creek.						
COSPBE06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7. Mainstem and all tributaries to Bear Creek, including wetlands, within the Mt. Evans Wilderness Area.						
COSPBE07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*Phosphorus(chronic) = effective 12/31/2020		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

8. Lakes and reservoirs in the Bear Creek system from the sources to the boundary of the Mt. Evans Wilderness area.

COSPBE08	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

9. Lakes and reservoirs in the Bear Creek system from the boundary of the Mt. Evans Wilderness area to the inlet of Evergreen Lake; includes Summit Lake.

COSPBE09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

10. Lakes and reservoirs in drainages of Swede Gulch, Sawmill Gulch, Troublesome Gulch, and Cold Springs Gulch from source to confluence with Bear Creek.						
COSPBE10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(†)
Other:		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
			Zinc	TVS		
11. Lakes and reservoirs in the Bear Creek system from the outlet of Evergreen Lake to the confluence with the South Platte River, except as specified in Segments 1c, 10, and 12; includes Soda Lakes.						
COSPBE11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic	Chromium III(T)	50	
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
			Zinc	TVS		

11. Lakes and reservoirs in the Bear Creek system from the outlet of Evergreen Lake to the confluence with the South Platte River, except as specified in Segments 1c, 10, and 12; includes Soda Lakes.						
COSPBE11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT			
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
			acute	chronic	Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
			Zinc	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

12. Lakes and reservoirs in the Turkey Creek system from the source to the inlet of Bear Creek Reservoir.							
COSPBE12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
Other:		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

1. Mainstem of Clear Creek, including all tributaries and wetlands, from the source to the I-70 bridge above Silver Plume.							
COSPCL01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Designation: 9/30/00 Baseline does not apply *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

2a. Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.

COSPCL02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
Zinc(acute) = 586					Chromium VI	TVS	TVS
Zinc(chronic) = 353					Copper	TVS	TVS
Expiration Date of 7/1/2020					Iron	---	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).					Iron(T)	---	1000
*Designation: 9/30/00 Baseline does not apply					Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).					Lead(T)	50	---
*Zinc(acute) = 0.978e ^{^(0.8537[ln(hardness)]+1.9467)}					Manganese	TVS	TVS/WS
*Zinc(chronic) = 0.986e ^{^(0.8537[ln(hardness)]+1.8032)}					Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

2b. Mainstem of Clear Creek, including all tributaries and wetlands, from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.

COSPCL02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid					Chromium III(T)	50	---
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---	WS
*Designation: 9/30/00 Baseline does not apply		Boron	---	0.75	Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS;
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

2c. Mainstem of Clear Creek, including all tributaries and wetlands, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10.

COSPCL02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
Cadmium(chronic) = current condition		Inorganic (mg/L)			Chromium VI	TVS	TVS
Copper(chronic) = current condition			acute	chronic	Copper	TVS	TVS
Expiration Date of 7/1/2020		Ammonia	TVS	TVS	Iron	---	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Boron	---	0.75	Iron(T)	---	1000
*Designation: 9/30/00 Baseline does not apply		Chloride	---	250	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chlorine	0.019	0.011	Lead(T)	50	---
*Zinc(acute) = $0.978e^{(0.8537[\ln(\text{hardness})]+1.9467)}$		Cyanide	0.005	---	Manganese	TVS	TVS/WS
*Zinc(chronic) = $0.986e^{(0.8537[\ln(\text{hardness})]+1.8032)}$		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

3a. Mainstem of South Clear Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for the specific listings in Segments 3b and 19.						
COSPCL03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:	D.O. (spawning)		---	7.0	Beryllium	---
Other:	pH	6.5 - 9.0	---		Cadmium	TVS(tr)
Temporary Modification(s):	chlorophyll a (mg/m ²)	---	150		Cadmium(T)	5.0
Arsenic(chronic) = hybrid	E. Coli (per 100 mL)	---	126		Chromium III	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	WS
					Iron(T)	1000
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	0.01(t)
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	SSE*
					Zinc	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

3b. Mainstem of Leavenworth Creek from source to confluence with South Clear Creek.						
COSPCL03B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers: Other: *Designation: 9/30/00 Baseline does not apply *Zinc(acute) = $0.978e^{(0.8537[\ln(\text{hardness})]+1.9467)}$ *Zinc(chronic) = $0.986e^{(0.8537[\ln(\text{hardness})]+1.8032)}$		D.O. (spawning)	---	7.0	Beryllium	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.05	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	---
					Zinc	SSE*

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

4. Mainstem of West Fork Clear Creek from the source to the confluence with Woods Creek.							
COSPCL04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *Designation: 9/30/00 Baseline does not apply		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	210
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

5. Mainstem of West Fork Clear Creek from the confluence with Woods Creek to the confluence with Clear Creek.						
COSPCL05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Manganese(chronic) = 393 ug/L at the mouth of West Fork, and 1480 ug/L below Woods Creek, see section 38.6(4)(j) for manganese assessment locations. Chronic TVS applies throughout segment. *Zinc(acute) = e^(0.8404[ln(hardness)]+1.8810) *Zinc(chronic) = e^(0.8404[ln(hardness)]+1.5127)		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	---
					Zinc	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

6. All tributaries to West Fork Clear Creek, including all wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segments 7a and 8.						
COSPCL06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
*Designation: 9/30/00 Baseline does not apply		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7a. Mainstem of Woods Creek from the outlet of Upper Urad Reservoir to the confluence with West Fork Clear Creek.						
COSPCL07A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Aq Life Cold 2	DM	MWAT		acute	chronic
UP	Recreation N	Temperature °C	CS-I	CS-I	Aluminum	---
Qualifiers:		acute	chronic		Arsenic	340
Other:		D.O. (mg/L)	---	6.0	Beryllium	---
Temporary Modification(s):		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)
Cadmium(chronic) = current condition		pH	6.5 - 9.0	---	Chromium III	TVS
Copper(ac/ch) = current condition		chlorophyll a (mg/m ²)	---	---	Chromium VI	TVS
Iron(chronic) = current condition		E. Coli (per 100 mL)	---	630	Copper	TVS
Lead(chronic) = current condition					Iron(T)	---
Mercury(chronic) = current condition		Inorganic (mg/L)			Lead	TVS
Nickel(chronic) = current condition		acute	chronic		Manganese	TVS
Silver(chronic) = current condition		Ammonia	TVS	TVS	Mercury	---
temperature(DM/MWAT) = current condition	10/1 - 11/30	Boron	---	---	Molybdenum(T)	---
temperature(DM/MWAT) = current condition	4/1 - 5/31	Chloride	---	---	Nickel	TVS
Zinc(ac/ch) = current condition		Chlorine	0.019	0.011	Selenium	TVS
Expiration Date of 6/30/2023		Cyanide	0.005	---	Silver	TVS
		Nitrate	---	---	Uranium	---
		Nitrite	---	0.05	Zinc	TVS
		Phosphorus	---	0.11		
		Sulfate	---	---		
		Sulfide	---	0.002		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

7b. Lower Urad Reservoir							
COSPCL07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Cold 2		DM	MWAT	acute	chronic	
UP	Recreation N	Temperature °C	CL	CL	Aluminum	---	
Qualifiers:			acute	chronic	Arsenic	340	
Other: Temporary Modification(s): Cadmium(chronic) = current condition Copper(ac/ch) = current condition Iron(chronic) = current condition Lead(chronic) = current condition Mercury(chronic) = current condition Nickel(chronic) = current condition Silver(chronic) = current condition temperature(DM/MWAT) = current condition temperature(DM/MWAT) = current condition Zinc(ac/ch) = current condition Expiration Date of 6/30/2023		D.O. (mg/L)	---	6.0	Beryllium	---	
		D.O. (spawning)	---	7.0	Cadmium	TVS(††)	
		pH	6.5 - 9.0	---	Chromium III	TVS	
		chlorophyll a (ug/L)	---	---	Chromium VI	TVS	
		E. Coli (per 100 mL)	---	630	Copper	TVS	
					Iron(T)	---	1000
		Inorganic (mg/L)			Lead	TVS	TVS
			acute	chronic	Manganese	TVS	TVS
		Ammonia	TVS	TVS	Mercury	---	0.01(t)
		Boron	---	---	Molybdenum(T)	---	---
		Chloride	---	---	Nickel	TVS	TVS
		Chlorine	0.019	0.011	Selenium	TVS	TVS
		Cyanide	0.005	---	Silver	TVS	TVS(tr)
		Nitrate	---	---	Uranium	---	---
		Nitrite	---	0.05	Zinc	TVS	TVS
		Phosphorus	---	---			
		Sulfate	---	---			
Sulfide	---	0.002					
8. Mainstem of Lion Creek from the source to the confluence with West Fork Clear Creek.							
COSPCL08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Cold 2		DM	MWAT	acute	chronic	
UP	Recreation E	Temperature °C	CS-I	CS-I	Aluminum	---	
Qualifiers:			acute	chronic	Arsenic	---	
Other:		D.O. (mg/L)	---	6.0	Beryllium	---	
		D.O. (spawning)	---	7.0	Cadmium	---	
		pH	3.0-9.0	---	Chromium III	---	
		chlorophyll a (mg/m²)	---	150	Chromium VI	---	
		E. Coli (per 100 mL)	---	126	Copper	---	
					Iron	---	
		Inorganic (mg/L)			Lead	---	
			acute	chronic	Manganese	---	
		Ammonia	---	---	Mercury	---	
		Boron	---	---	Molybdenum(T)	---	
		Chloride	---	---	Nickel	---	
		Chlorine	---	---	Selenium	---	
		Cyanide	---	---	Silver	---	
		Nitrate	---	---	Uranium	---	
		Nitrite	---	---	Zinc	---	
		Phosphorus	---	---			
		Sulfate	---	---			
Sulfide	---	---					

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

9a. Mainstem of Fall River, including all tributaries and wetlands, from the source to the confluence with Clear Creek.						
COSPCL09A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

10. Mainstem of Chicago Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segment 19.						
COSPCL10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Designation: 9/30/00 Baseline does not apply *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(†)
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
			Uranium	---		
			Zinc	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

11. Mainstem of Clear Creek from a point just above the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado.						
COSPCL11	Classifications	Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT	acute	chronic
UP	Agriculture					
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
Water Supply						
		D.O. (mg/L)	---	6.0	Arsenic(T)	---
						0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Zinc(acute) = $0.978e^{(0.8537[\ln(\text{hardness})]+1.9467)}$ *Zinc(chronic) = $0.986e^{(0.8537[\ln(\text{hardness})]+1.8032)}$		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
						TVS
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0

		E. Coli (per 100 mL)	---	126	Chromium III	---
						TVS
					Chromium III(T)	50

		Inorganic (mg/L)			Chromium VI	TVS
						TVS
			acute	chronic	Copper	---
						17
		Ammonia	TVS	TVS	Iron	---
						WS
		Boron	---	0.75	Iron(T)	---
						1000
		Chloride	---	250	Lead	TVS
						TVS
		Chlorine	0.019	0.011	Lead(T)	50

		Cyanide	0.005	---	Manganese	TVS
						TVS/WS
		Nitrate	10	---	Mercury	---
						0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---
						150
		Phosphorus	---	---	Nickel	TVS
						TVS
		Sulfate	---	WS	Nickel(T)	---
						100
		Sulfide	---	0.002	Selenium	TVS
						TVS
					Silver	TVS
						TVS(tr)
					Uranium	---

					Zinc	---
						SSE*
					Zinc	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

12a. All tributaries to Clear Creek, including all wetlands, from the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado, except for specific listings in Segments 12b, 13a and 13b.

COSPCL12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable*	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Designation: 9/30/00 Baseline does not apply *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	---	0.05	Mercury	---	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

12b. Beaver Brook from the source to Highway 40.

COSPCL12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Beryllium	---	---
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(†)	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Designation: 9/30/00 Baseline does not apply		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

13a. Mainstem of North Clear Creek, including all tributaries and wetlands, from its source to its confluence with Chase Gulch, and Four Mile Gulch, including all tributaries and wetlands, from their sources to their confluence with North Clear Creek and Eureka Gulch, including all tributaries and wetlands, from its source to its confluence with Gregory Gulch.

COSPCL13A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/2021				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

13b. Mainstem of North Clear Creek including all tributaries and wetlands from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.

COSPCL13B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
UP	Aq Life Cold 2	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	Arsenic(T)	100
Other:		D.O. (spawning)	---	Beryllium	---
Temporary Modification(s):		pH	6.5 - 9.0	Cadmium	TVS(tr)
temperature(DM/MWAT) = current condition		chlorophyll a (mg/m ²)	---	Chromium III	TVS
Expiration Date of 12/31/2020		E. Coli (per 100 mL)	---	Chromium III(T)	100
				Chromium VI	TVS
		Inorganic (mg/L)		Copper	---
		acute	chronic	Iron(T)	5400
		Ammonia	TVS	Lead	TVS
		Boron	---	Manganese	TVS
		Chloride	---	Mercury	---
		Chlorine	0.019	Molybdenum(T)	150
		Cyanide	0.005	Nickel	TVS
		Nitrate	100	Selenium	TVS
		Nitrite	---	Silver	TVS
		Phosphorus	---	Uranium	---
		Sulfate	---	Zinc	740
		Sulfide	---		

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

14a. Mainstem of Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to the Denver Water conduit #16 crossing.							
COSPCL14A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation N	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other: *Zinc(acute) = TVS x (times) the FWER (final water effect ratio). Expiration date of 12/31/20. *Zinc(chronic) = TVS x (times) the FWER (final water effect ratio). Expiration date of 12/31/20.		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	630	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	244
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVSx1.57*	TVSx1.57*
14b. Mainstem of Clear Creek from the Denver Water conduit #16 crossing to a point just below Youngfield Street in Wheat Ridge, Colorado.							
COSPCL14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Zinc(acute) = TVS x (times) the FWER (final water effect ratio). Expiration date of 12/31/20. *Zinc(chronic) = TVS x (times) the FWER (final water effect ratio). Expiration date of 12/31/20.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	244
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVSx1.57*	TVSx1.57*

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

15. Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to the confluence with the South Platte River.						
COSPCL15	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1*	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/2021		acute	chronic	Chromium III(T)	50	---
*Classification: Aquatic life warm 1 goal qualifier.		Ammonia	TVS	TVS	Chromium VI	TVS
*Zinc(acute) = TVS x (times) the FWER (final water effect ratio).		Boron	---	0.75	Copper	TVS
Expiration date of 12/31/20.		Chloride	---	250	Iron	---
*Zinc(chronic) = TVS x (times) the FWER (final water effect ratio).		Chlorine	0.019	0.011	Iron(T)	---
Expiration date of 12/31/20.		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVSx1.57*

16a. Mainstem of Lena Gulch including all tributaries and wetlands from its source to the inlet of Maple Grove Reservoir.						
COSPCL16A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Water Supply	DM	MWAT	acute	chronic	
UP	Agriculture	Temperature °C	WS-II	WS-II	Aluminum	---
	Aq Life Warm 2	acute	chronic	Arsenic	340	---
	Recreation E	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.05	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

16b. All tributaries to Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to the confluence with the South Platte River, except for specific listings in Segments 16a, 17a, 17b, 18a and 18b.

COSPCL16B	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
UP	Recreation E	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Agriculture		acute	chronic	Arsenic	340	---
	Aq Life Warm 2	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

17a. Arvada Reservoir.

COSPCL17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
UP	Agriculture	Temperature °C	CLL	CLL	Aluminum	---	---
	Aq Life Cold 2		acute	chronic	Arsenic	340	---
	Recreation E	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	Water Supply	D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Water + Fish Standards		chlorophyll a (ug/L)	---	8	Cadmium(T)	5.0	---
Other:		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

17b. Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.						
COSPCL17B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

18a. Mainstem of Ralston Creek, including all tributaries and wetlands, from the outlet of Arvada Reservoir to the confluence with Clear Creek.						
COSPCL18A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

18b. Mainstem of Leyden Creek and Van Bibber Creek from their source to their confluence with Ralston Creek. Mainstem of Little Dry Creek from its source to its confluence with Clear Creek.						
COSPCL18B	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
UP	Agriculture					
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	TVS
			acute	chronic	Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
19. All tributaries to Clear Creek, including wetlands, within the Mt. Evans Wilderness Area.						
COSPCL19	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
OW	Agriculture					
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	WS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	250	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

20. Lakes and reservoirs in the Clear Creek system that are within the boundary of the Mt. Evans Wilderness Area.							
COSPCL20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	250	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		21. Lakes and reservoirs in the Clear Creek system from sources to the Farmer's Highline Canal diversion in Golden, CO, except as specified in Segments 7b, 20, 22 and 25. Upper Long Lake.					
COSPCL21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Designation: 9/30/00 Baseline does not apply *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

22. Lakes and reservoirs in the North Clear Creek drainage from a point just below the confluence with Chase Gulch to the confluence with Clear Creek.						
COSPCL22	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Other:		D.O. (spawning)	---	7.0	Beryllium	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Designation: 9/30/00 Baseline does not apply *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	8*	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
					Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Manganese	TVS
		Chloride	---	---	Mercury	---
		Chlorine	0.019	0.011	Molybdenum(T)	---
		Cyanide	0.005	---	Nickel	TVS
		Nitrate	100	---	Selenium	TVS
		Nitrite	---	0.05	Silver	TVS
		Phosphorus	---	0.025*	Uranium	---
		Sulfate	---	---	Zinc	TVS
		Sulfide	---	0.002		

23. Ralston Reservoir						
COSPCL23	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CLL	CLL	Aluminum	---
	Recreation U	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
	DUWS	D.O. (spawning)	---	7.0	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Water + Fish Standards		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
Other:		E. Coli (per 100 mL)	---	126	Chromium III	---
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

24. Lakes and reservoirs in the Clear Creek system from the Farmers Highline Canal diversion in Golden, Colorado to the confluence with the South Platte River, except for specific listings in Segments 17a, 21 and 23.

COSPCL24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation U	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---	TVS
Arsenic(chronic) = hybrid		acute		chronic	Chromium III(T)	50	---
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Maple Grove Reservoir only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
			Uranium	---	---		
			Zinc	TVS	TVS		

25. Guanella Reservoir (near Town of Empire, 39.758,-105.700)

COSPCL25	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	7.6
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	---
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	0.025*	Uranium	---	---
		Sulfate	---	---	Zinc	TVS	TVS
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Dry Creek Basin

1. Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River, except for specific listing in Segments 4a, 4b, 5 and 6.

COSPB01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation P	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	---	150*	Beryllium(T)	---	100
		E. Coli (per 100 mL)	---	205	Cadmium	TVS	TVS
		Inorganic (mg/L)			Chromium III	TVS	TVS
		acute	chronic		Chromium III(T)	---	100
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	100	---	Mercury	---	0.01(t)
		Nitrite	---	4.5	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	---	Selenium	---	varies*
		Sulfide	---	0.002	Selenium	varies*	---
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

2. Standley Lake.

COSPB02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	DUWS	pH	6.5 - 9.0	---	Beryllium	---	4.0
Qualifiers:		chlorophyll a (ug/L)	---	4.0*	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Uranium(T)	---	3*
					Zinc	TVS	TVS

Temporary Modification(s):
 Arsenic(chronic) = hybrid
 Expiration Date of 12/31/2021
 *chlorophyll a (ug/L)(chronic) = The trophic status of Standley Lake shall be maintained as mesotrophic as measured by a combination of common indicator parameters such as total phosphorus, chlorophyll a, secchi depth, and dissolved oxygen. Refer to Section 38.6(4)(e).
 *Uranium(T)(chronic) = 3(t) Picocuries/Liter. See attached table 2 for additional standards for segment 2.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Dry Creek Basin

3. Great Western Reservoir.

COSPBD03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation N	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: *Uranium(T)(chronic) = 4(t) Picocuries/Liter. See attached table 2 for additional standards for segment 3.		chlorophyll a (ug/L)	---	---	Beryllium(T)	---	100
		E. Coli (per 100 mL)	---	630	Cadmium	TVS	TVS
		Inorganic (mg/L)			Chromium III	TVS	TVS
		acute		chronic	Chromium III(T)	---	100
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	100	---	Mercury	---	0.01(t)
		Nitrite	---	2.7	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	---	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Uranium(T)	---	4*
					Zinc	TVS	TVS

4a. Mainstem and all tributaries to Woman and Walnut Creeks from sources to Standley Lake and Great Western Reservoir except for specific listings in Segments 4b and 5.

COSPBD04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	4.0
Other: *Uranium(T)(chronic) = See attached table 2 for additional standards for segment 4a.		chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS
		Nitrite	---	0.5	Mercury	---	0.01(t)
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	---	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Uranium(T)	---	16.8*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Dry Creek Basin

4b. North and South Walnut Creek and Walnut Creek, from the eastern edge of the Central Operable Unit on Rocky Flats Property to Indiana Street and North Walnut Creek from its source to the western edge of the Central Operable Unit.

COSPBD04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
UP	Agriculture						
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	4.0
Other: *Uranium(T)(chronic) = See attached table 2 for additional standards for segment 4b.		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	---	---	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS
		Nitrite	---	0.5	Mercury	---	0.01(t)
		Phosphorus	---	0.17	Molybdenum(T)	---	150
		Sulfate	---	---	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Uranium(T)	---	16.8*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Dry Creek Basin

5. North Walnut Creek from the western edge of the Central Operable Unit and South Walnut Creek from its source, including all tributaries, lakes, reservoirs and wetlands, to the eastern boundary of the Central Operable Unit and Pond C-2 on Woman Creek.

COSPB05	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation N	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply				Arsenic(T)	---	0.02-10 ^A
Qualifiers:		acute	chronic	Beryllium	---	4.0	
Other: *Uranium(T)(chronic) = See attached table 2 for additional standards for segment 5.		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	630	Chromium III(T)	50	---
		Inorganic (mg/L)		Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS	
		Ammonia	---	---	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	---	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Nickel(T)	---	100
		Sulfate	---	---	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Uranium(T)	---	16.8*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Dry Creek Basin

6. Upper Big Dry Creek and South Upper Big Dry Creek, from their source to Standley Lake.							
COSPBD06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation N		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	630	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Dry Creek Basin

7. Lakes and reservoirs in the Big Dry Creek system from the source to the confluence with the South Platte River, except for specific listings in Segments 2, 3, and 5.								
COSPBD07	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---		
	Recreation P	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---		
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Beryllium(T)	---	100	
		E. Coli (per 100 mL)	---	205	Cadmium	TVS	TVS	
		Inorganic (mg/L)			Cadmium(T)	5.0	---	
		acute			chronic	Chromium III	---	TVS
		Ammonia	TVS	TVS	Chromium III(T)	50	---	
		Boron	---	0.75	Chromium VI	TVS	TVS	
		Chloride	---	250	Copper	TVS	TVS	
		Chlorine	0.019	0.011	Iron	---	WS	
		Cyanide	0.005	---	Iron(T)	---	1000	
		Nitrate	10	---	Lead	TVS	TVS	
		Nitrite	---	0.5	Lead(T)	50	---	
		Phosphorus	---	0.083*	Manganese	TVS	TVS/WS	
		Sulfate	---	WS	Mercury	---	0.01(t)	
		Sulfide	---	0.002	Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

1. All tributaries to Boulder Creek, including all wetlands, within the Indian Peaks and James Peak Wilderness Areas.

COSPBO01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

2a. Mainstem of Boulder Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek, except for the specific listings in Segment 3.

COSPBO02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture			DM	MWAT		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

2b. Mainstem of Boulder Creek, including all tributaries and wetlands, from a point immediately below the confluence with North Boulder Creek to a point immediately above the confluence with South Boulder Creek.								
COSPBO02B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
Expiration Date of 12/31/2021					Chromium III(T)	50	---	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	0.11*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

3. Mainstem of Middle Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.							
COSPBO03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
Recreation E	acute	chronic	Arsenic	340	---		
Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS
acute			chronic	Copper	TVS	TVS	
Ammonia	TVS	TVS	Iron	---	WS		
Boron	---	0.75	Iron(T)	---	1000		
Chloride	---	250	Lead	TVS	TVS		
Chlorine	0.019	0.011	Lead(T)	50	---		
Cyanide	0.005	---	Manganese	TVS	TVS/WS		
Nitrate	10	---	Mercury	---	0.01(t)		
Nitrite	---	0.05	Molybdenum(T)	---	150		
Phosphorus	---	0.11*	Nickel	TVS	TVS		
Sulfate	---	WS	Nickel(T)	---	100		
Sulfide	---	0.002	Selenium	TVS	TVS		
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

4a. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Gross Reservoir except for specific listings in Segment 1.						
COSPBO04A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4b. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to South Boulder Road, except for specific listings in Segments 4c and 4d.						
COSPBO04B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

4c. Mainstem of Cowdrey Drainage from the source below Cowdrey Reservoir #2 to the Davidson Ditch.						
COSPBO04C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	---	0.5	Manganese	TVS/WS
		Phosphorus	---	0.17	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
4d. Mainstem of Cowdrey Drainage from immediately downstream of the Davidson Ditch to the confluence with South Boulder Creek.						
COSPBO04D	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
		Inorganic (mg/L)			Chromium III	TVS
		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	---	0.5	Manganese	TVS/WS
		Phosphorus	---	0.17	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

5. Mainstem of South Boulder Creek from South Boulder Road to the confluence with Boulder Creek.						
COSPBO05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	TVS
Expiration Date of 12/31/2021		acute	chronic		Chromium III(T)	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	---	0.5	Manganese	TVS/WS
		Phosphorus	---	---	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

6. Mainstem of Coal Creek, including all tributaries and wetlands, from the source to Highway 93.						
COSPBO06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02-10 ^A
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	---
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	---
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	WS
		Chloride	---	250	Iron(T)	1000
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	---
		Nitrate	10	---	Manganese	TVS/WS
		Nitrite	---	0.05	Mercury	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	150
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	100
					Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

7a. Mainstem of Coal Creek from Highway 93 to Highway 36 (Boulder Turnpike).						
COSPBO07A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2021		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7b. Mainstem of Coal Creek from Highway 36 to the confluence with Boulder Creek.						
COSPBO07B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

8. All tributaries to South Boulder Creek, including all wetlands from South Boulder Road to the confluence with Boulder Creek and all tributaries to Coal Creek, including all wetlands from Highway 93 to the confluence with Boulder Creek.

COSPBO08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
UP	Aq Life Warm 2	WS-II		WS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	---
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	100	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	---	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

9. Mainstem of Boulder Creek from a point immediately above the confluence with South Boulder Creek to the confluence with Coal Creek.

COSPBO09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	WS-II		WS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 temperature(DM/MWAT) = current condition Expiration Date of 12/31/2020	12/1 - 2/29	E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

10. Mainstem of Boulder Creek from the confluence with Coal Creek to the confluence with St. Vrain Creek.						
COSPBO10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2021		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

11. All tributaries to Boulder Creek, including all wetlands from a point immediately above the confluence with South Boulder Creek to the confluence with St. Vrain Creek, except for specific listings in Segments 5, 7a and 7b.						
COSPBO11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Boulder Creek Basin

12. Deleted.

COSPBO12	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Qualifiers:		acute	chronic		
Other:					
		Inorganic (mg/L)			
		acute	chronic		

13. All lakes and reservoirs tributary to Boulder Creek that are within the boundary of the Indian Peaks and James Peak Wilderness Areas.

COSPBO13	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

14. All lakes and reservoirs tributary to Boulder Creek from the source to a point immediately above the South Boulder Creek confluence, except as specified in Segment 13. This segment includes Barker and Lakewood Reservoir.

COSPBO14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS (tr)	TVS
Qualifiers:							
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Lakewood Reservoir only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

15. All lakes and reservoirs tributary to South Boulder Creek from the source to Highway 93. All lakes and reservoirs tributary to Coal Creek from the source to Highway 93 except for specific listings in segments 13 and 18.

COSPBO15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02-10
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Kossler Lake only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	---	0.05	Mercury	---	0.01(t)
		Phosphorus	---	0.025*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

16. All lakes and reservoirs tributary to South Boulder Creek system from Highway 93 to the confluence with Boulder Creek. All lakes and reservoirs tributary to Coal Creek system from Highway 93 to the confluence with Boulder Creek.

COSPBO16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

17. All lakes and reservoirs tributary to Boulder Creek from a point immediately below the confluence with South Boulder Creek to the confluence with St. Vrain Creek, except as specified in Segments 15 and 16.

COSPBO17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	DUWS*		DM	MWAT		acute	chronic
Reviewable	Agriculture	Temperature °C	WL	WL	Aluminum	---	---
	Aq Life Warm 2		acute	chronic	Arsenic	340	---
	Recreation E	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	Water Supply	pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
Water + Fish Standards		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Other:			Inorganic (mg/L)		Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Classification: DUWS applies to Baseline, Marshall, Thomas and Waneka Reservoirs only.			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

18. Gross Reservoir.								
COSPBO18	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 12/31	CLL	19.4	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)		---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
						Iron(T)	---	1000
				acute	chronic	Lead	TVS	TVS
		Ammonia		TVS	TVS	Lead(T)	50	---
		Boron		---	0.75	Manganese	TVS	TVS/WS
		Chloride		---	250	Mercury	---	0.01(t)
		Chlorine		0.019	0.011	Molybdenum(T)	---	150
		Cyanide		0.005	---	Nickel	TVS	TVS
		Nitrate		10	---	Nickel(T)	---	100
		Nitrite		---	0.05	Selenium	TVS	TVS
		Phosphorus		---	0.025*	Silver	TVS	TVS(tr)
		Sulfate		---	WS	Uranium	---	---
		Sulfide		---	0.002	Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

1. All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.

COSPSV01	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

2a. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park to the eastern boundary of Roosevelt National Forest.

COSPSV02A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

2b. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the eastern boundary of Roosevelt National Forest to Hygiene Road.							
COSPSV02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		3. Mainstem of St. Vrain Creek from Hygiene Road to the confluence with the South Platte River.					
COSPSV03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
		D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

3. Mainstem of St. Vrain Creek from Hygiene Road to the confluence with the South Platte River.							
COSPSV03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

4a. Mainstem of Left Hand Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with James Creek, except for specific listings in Segment 4b.

COSPSV04A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	0.11	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

4b. Mainstem of James Creek, including all tributaries and wetlands, from the source to the confluence with Left Hand Creek.

COSPSV04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation Reviewable	Agriculture		DM	MWAT		acute	chronic
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

4c. Mainstem of Left Hand Creek, including all tributaries and wetlands, from a point immediately below the confluence with James Creek to Highway 36.						
COSPSV04C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

5. Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to the confluence with St. Vrain Creek.						
COSPSV05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

6. All tributaries to St. Vrain Creek, including wetlands from Hygiene Road to the confluence with the South Platte River, except for specific listings in the Boulder Creek subbasin and in Segments 4a, 4b, 4c and 5.

COSPSV06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	WS-II	WS-II	Temperature °C	---	---	
	Recreation E	acute	chronic				
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic	340	---
Other:		pH	6.5 - 9.0	---	Arsenic(T)	---	100
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Beryllium	---	---
Iron(chronic) = current condition		E. Coli (per 100 mL)	---	126	Cadmium	TVS	TVS
Manganese(ac/ch) = current condition		Inorganic (mg/L)			Chromium III	TVS	TVS
Expiration Date of 12/31/2020		acute	chronic		Chromium III(T)	---	100
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	---	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	100	---	Mercury	---	0.01(t)
		Nitrite	---	0.5	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	---	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

7. Boulder Reservoir, Coot Lake, Left Hand Valley Reservoir and Spurgeon Reservoir.

COSPSV07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	WL	WL	Temperature °C	---	---	
	Recreation E	acute	chronic				
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic	340	---
	DUWS*	pH	6.5 - 9.0	---	Arsenic(T)	---	0.02
Qualifiers:		chlorophyll a (ug/L)	---	---	Beryllium	---	---
Other:		E. Coli (per 100 mL)	---	126	Cadmium	TVS	TVS
Temporary Modification(s):		Inorganic (mg/L)			Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		acute	chronic		Chromium III	---	TVS
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Chromium III(T)	50	---
Iron(chronic) = current condition		Boron	---	0.75	Chromium VI	TVS	TVS
Manganese(ac/ch) = current condition		Chloride	---	250	Copper	TVS	TVS
Expiration Date of 12/31/2020		Chlorine	0.019	0.011	Iron	---	WS
*Classification: DUWS applies to Boulder, Spurgeon and Left Hand Valley Reservoirs only.		Cyanide	0.005	---	Iron(T)	---	1000
		Nitrate	10	---	Lead	TVS	TVS
		Nitrite	---	0.5	Lead(T)	50	---
		Phosphorus	---	---	Manganese	TVS	TVS/WS
		Sulfate	---	WS	Mercury	---	0.01(t)
		Sulfide	---	0.002	Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

8. All lakes and reservoirs tributary to St. Vrain Creek that are within the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park.						
COSPSV08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
		9. All lakes and reservoirs tributary to St. Vrain Creek from sources to Hygiene Road, including Button Rock Reservoir, except as specified in Segment 8.				
COSPSV09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021	pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

10. All lakes and reservoirs tributary to Left Hand Creek from sources to Highway 36.								
COSPSV10	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---		
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---		
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)		
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Joder Reservoir only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0		
		E. Coli (per 100 mL)	---	126	Chromium III	---		
		Inorganic (mg/L)			Chromium III(T)	50	---	
		acute			Chromium VI	TVS	TVS	
		chronic			Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	
		11. Barbour Ponds.						
		COSPSV11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---		
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---		
Other:		chlorophyll a (ug/L)	---	---	Cadmium	TVS		
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0		
		Inorganic (mg/L)			Chromium III	---		
		acute			Chromium III(T)	50		
		chronic			Chromium VI	TVS		
		Ammonia	TVS	TVS	Copper	TVS		
		Boron	---	0.75	Iron	---		
		Chloride	---	250	Iron(T)	---		
		Chlorine	0.019	0.011	Lead	TVS		
		Cyanide	0.005	---	Lead(T)	50		
		Nitrate	10	---	Manganese	TVS		
		Nitrite	---	0.5	Mercury	---		
		Phosphorus	---	---	Molybdenum(T)	---		
		Sulfate	---	WS	Nickel	TVS		
		Sulfide	---	0.002	Nickel(T)	---		
					Selenium	TVS		
					Silver	TVS		
					Uranium	---		
					Zinc	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

12. All lakes and reservoirs tributary to Left Hand Creek from Highway 36 to the confluence with St. Vrain Creek, except as specified in Segment 7.							
COSPSV12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS St. Vrain Creek Basin

13. All lakes and reservoirs tributary to St. Vrain Creek from Hygiene Road to the confluence with the South Platte River, except as specified in Segments 7, 10, 11 and 12.						
COSPSV13	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other: *Classification: DUWS applies to Burch lake only.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
			acute	chronic	Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
			Zinc	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

1a. Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.							
COSPMS01A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	varies*	varies*	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Ammonia(acute) = See attached table for site-specific standards. *Ammonia(chronic) = See attached table for site-specific standards. *Copper(acute) = Copper BLM-based FMB Cu FMB(ac)=35.1 ug/l *Copper(chronic) = Copper BLM-based FMB Cu FMB(ch)= 23.5 ug/l *D.O. (mg/L)(acute) = See attached table for site-specific standards. *D.O. (mg/L)(chronic) = See attached table for site-specific standards.		Inorganic (mg/L)			Chromium III	---	
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS*	TVS*	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	---	23.5*
		Chloride	---	250	Copper	35.1*	---
		Chlorine	0.019	0.011	Iron	---	WS
		Cyanide	0.005	---	Iron(T)	---	1000
		Nitrate	10	---	Lead	TVS	TVS
		Nitrite	---	0.5	Lead(T)	50	---
		Phosphorus	---	---	Manganese	TVS	TVS/WS
		Sulfate	---	WS	Mercury	---	0.01(t)
		Sulfide	---	0.002	Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

1b. Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.							
COSPMS01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

2. Deleted.						
COSPMS02	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			
3a. All tributaries to the South Platte River, including all wetlands, from a point immediately below the confluence with Big Dry Creek to the Weld/Morgan County line, except for specific listings in the subbasins of the South Platte River, and in Segments 3b, 5a, 5b, 5c, and 6.						
COSPMS03A	Classifications	Physical and Biological		Metals (ug/L)		
Designation		DM	MWAT	acute	chronic	
UP	Agriculture					
	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
		acute	chronic	Chromium III(T)	50	---
	Ammonia	TVS	TVS	Chromium VI	TVS	TVS
	Boron	---	0.75	Copper	TVS	TVS
	Chloride	---	250	Iron	---	WS
	Chlorine	0.019	0.011	Iron(T)	---	1000
	Cyanide	0.005	---	Lead	TVS	TVS
	Nitrate	10	---	Lead(T)	50	---
	Nitrite	---	0.5	Manganese	TVS	TVS/WS
	Phosphorus	---	0.17*	Mercury	---	0.01(t)
	Sulfate	---	WS	Molybdenum(T)	---	150
	Sulfide	---	0.002	Nickel	TVS	TVS
				Nickel(T)	---	100
				Selenium	TVS	TVS
				Silver	TVS	TVS
				Uranium	---	---
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

3b. Hayesmount Tributaries including the Upper Hayesmount Tributary from the source to the confluence with Box Elder Creek and the Lower Hayesmount Tributaries from the source to the Denver Hudson Canal.

COSPMS03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
UP	Aq Life Warm 2	WS-III		WS-III	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	narrative*	Arsenic(T)	---	100
Other: *D.O. (mg/L)(chronic) = When water is present, D.O. concentrations shall be maintained at levels that protect classified uses.		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

4. Barr Lake and Milton Reservoir.

COSPMS04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
UP	Aq Life Warm 2	WL		WL	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

5a. Mainstem of Lone Tree Creek from the source to the confluence with the South Platte River.

COSPMS05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation N	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	630	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

5b. Mainstem of Box Elder Creek from the confluence with Coyote Run to the Denver Hudson Canal.

COSPMS05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation N		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	4.7*	Arsenic(T)	---	100
Other: *D.O. (mg/L)(chronic) = 15th percentile of D.O. measurements collected between 6:30 a.m. and 6:30 p.m.		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	630	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
			acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	10	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

5c. Mainstems of Crow Creek and Box Elder Creek from their sources to their confluences with the South Platte River, except for specific listings in Segment 5b.						
COSPMS05C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Warm 2 Recreation N	DM	MWAT	acute	chronic	
Reviewable		Temperature °C	WS-II	WS-II	Aluminum	---
		acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other: *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).	pH	6.5 - 9.0	---	Beryllium	---	---
	chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
	E. Coli (per 100 mL)	---	630	Chromium III	TVS	TVS
	Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS
	Ammonia	TVS	TVS	Copper	TVS	TVS
	Boron	---	0.75	Iron(T)	---	1000
	Chloride	---	---	Lead	TVS	TVS
	Chlorine	0.019	0.011	Manganese	TVS	TVS
	Cyanide	0.005	---	Mercury	---	0.01(t)
	Nitrate	100	---	Molybdenum(T)	---	150
	Nitrite	---	0.5	Nickel	TVS	TVS
	Phosphorus	---	0.17*	Selenium	TVS	TVS
	Sulfate	---	---	Silver	TVS	TVS
	Sulfide	---	0.002	Uranium	---	---
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

6. Lost Creek from the source to Interstate 76, including all its tributaries, stock ponds and wetlands.

COSPMS06	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
UP	Agriculture				
	Aq Life Warm 2	Temperature °C	WS-III	WS-III	
	Recreation N	acute	chronic		
Qualifiers:		D.O. (mg/L)	---	5.0	
Other:		pH	6.5 - 9.0	---	
		chlorophyll a (mg/m ²)	---	---	
		E. Coli (per 100 mL)	---	630	
		Inorganic (mg/L)			
		acute	chronic		
		Ammonia	---	---	
		Boron	---	0.75	
		Chloride	---	---	
		Chlorine	---	---	
		Cyanide	0.2	---	
		Nitrate	100	---	
		Nitrite	---	10	
		Phosphorus	---	0.17*	
		Sulfate	---	---	
		Sulfide	---	0.002	
				Aluminum	---
				Arsenic	340
				Arsenic(T)	---
				Beryllium	---
				Beryllium(T)	---
				Cadmium	---
				Cadmium(T)	---
				Chromium III	---
				Chromium III(T)	---
				Chromium VI	---
				Chromium VI(T)	---
				Copper	---
				Copper(T)	---
				Iron	---
				Lead	---
				Lead(T)	---
				Manganese	---
				Manganese(T)	---
				Mercury	---
				Molybdenum(T)	---
				Nickel	---
				Nickel(T)	---
				Selenium	---
				Selenium(T)	---
				Silver	---
				Uranium	---
				Zinc	---
				Zinc(T)	---

*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

7. All lakes and reservoirs tributary to the South Platte River from a point immediately below the confluence with Big Dry Creek to the Weld/Morgan County line, except for specific listings in the subbasins of the South Platte River, and in Segment 4.

COSPMS07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

Site-Specific Minimum Dissolved Oxygen and Ammonia Standards for Middle South Platte Segment 1a

Dissolved Oxygen:

STANDARDS

Early Life Stage Protection Period (April 1 through July 31)

1-Day^{1,4,5} 3.0 mg/L (acute)

7-Day Average^{1,2} 5.0 mg/L

Older Life Stage Protection Period (August 1 through March 31)

1-Day^{1,4} 2.0 mg/L (acute)

7-Day Mean of Minimums^{1,3} 2.5 mg/L

30-Day Average^{1,2} 4.5 mg/L

Refer to Section 38(6)(4)(c) for Dissolved Oxygen assessment locations.

Footnotes

1. For the purpose of determining compliance with the standards, dissolved oxygen measurements shall only be taken in the flowing portion of the stream at mid-depth, and at least six inches above the bottom of the channel. All sampling protocols and test procedures shall be in accordance with procedures and protocols approved by the Division.
2. A minimum of four independent daily means must be used to calculate the average for the 7-Day Average standard. A minimum of eight independent daily means must be used to calculate the average for the 30-Day Average standard. The four days and the eight days must be representative of the 7-Day and the 30-Day periods respectively. The daily mean shall be the mean of the daily high and low values. In calculating the mean values, the dissolved oxygen saturation value shall be used in place of any dissolved oxygen measurements which exceed saturation.
3. The 7-Day Mean Minimum is the average of the daily minimums measured at a location on each day during any 7-Day period.
4. During a 24 hour day, dissolved oxygen levels are likely to be lower during the nighttime when there is no photosynthesis. The dissolved oxygen levels should not drop below the acute standard (ELS acute standard of 3.0 mg/L or the OLS standard of 2.0 mg/L). However, if during the ELS period multiple measurements are below 3.0 mg/L during the same nighttime period, the multiple measurements shall be considered a single exceedance of the acute standard. For measurements below 2.0 mg/L during either the ELS or the OLS periods, each hourly measurement below 2.0 mg/L shall be considered an exceedance of the acute standard.
5. In July, the dissolved oxygen level in Segment 1a may be lower than the 3.0 mg/L acute standard for up to 14 exceedances in any one year and up to a total of 21 exceedances in three years before there is a determination that the acute dissolved oxygen standards is not being met. Exceedances shall be counted as described in Footnote 4.

Ammonia:

Early Life Stage Protection Period (April 1 through July 31)

Ammonia

Warm Water = (mg/l as N)Total

$$acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

$$chronic (Apr1 - July31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$$

$$chronic(Aug1 - Mar31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$$

NH₃ = old TVS

Warm Water Acute = 0.62/FT/FPH/2^(4 old) in mg/ (N)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

1. Mainstem of the Big Thompson River, including all tributaries and wetlands, within Rocky Mountain National Park, except for specific listings in Segment 2.						
COSPBT01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

2. Mainstem of the Big Thompson River, including all tributaries and wetlands from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion, except for the specific listing in Segment 7; mainstem of Black Canyon Creek and Glacier Creek below Estes Park water treatment plant.

COSPBTO2	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(4+)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	---	7.5*
		Ammonia	TVS	TVS	Copper	11*	TVS
		Boron	---	0.75	Copper	TVS	---
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.05	Manganese	TVS	TVS/WS
		Phosphorus	---	0.11*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

3. Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.								
COSPBT03	Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 2		Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
					Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury	---	0.01(t)	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	
		4a. Mainstem of the Big Thompson from the Big Barnes Ditch diversion to the Greeley-Loveland Canal diversion.						
		COSPBT04A	Classifications		Physical and Biological			Metals (ug/L)
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1		Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	5/1 - 10/15	acute	chronic	Arsenic	340	---	
	Recreation N	10/16 - 4/30	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	Water Supply		D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	5/1 - 10/15	---	126	Chromium III	---	TVS
		E. Coli (per 100 mL)	10/16 - 4/30	---	630	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
					Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury	---	0.01(t)	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

4b. Mainstem of the Big Thompson from the Greeley-Loveland Canal diversion to County Road 11H.													
COSPBT04B	Classifications			Physical and Biological			Metals (ug/L)						
Designation	Agriculture			DM	MWAT	acute	chronic						
Reviewable	Aq Life Warm 1			Temperature °C	WS-I	WS-I	Aluminum	---	---				
	Recreation E 5/1 - 10/15			acute	chronic	Arsenic	340	---					
	Recreation N 10/16 - 4/30			D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02				
	Water Supply			pH	6.5 - 9.0	---	Beryllium	---	---				
Qualifiers:				chlorophyll a (mg/m²)		---	---	Cadmium	TVS	TVS			
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021				E. Coli (per 100 mL)		5/1 - 10/15	---	126	Cadmium(T)	5.0	---		
				E. Coli (per 100 mL)		10/16 - 4/30	---	630	Chromium III	---	TVS		
									Chromium III(T)	50	---		
				Inorganic (mg/L)					Chromium VI	TVS	TVS		
				acute					chronic	Copper	TVS	TVS	
				Ammonia					TVS	TVS	Iron	---	WS
				Boron					---	0.75	Iron(T)	---	1000
				Chloride					---	250	Lead	TVS	TVS
				Chlorine					0.019	0.011	Lead(T)	50	---
				Cyanide					0.005	---	Manganese	TVS	TVS/WS
				Nitrate					10	---	Mercury	---	0.01(t)
				Nitrite					---	0.5	Molybdenum(T)	---	150
				Phosphorus					---	---	Nickel	TVS	TVS
				Sulfate					---	WS	Nickel(T)	---	100
				Sulfide					---	0.002	Selenium	TVS	TVS
											Silver	TVS	TVS
											Uranium	---	---
							Zinc	TVS	TVS				
4c. Mainstem of the Big Thompson from County Road 11H to I-25.													
COSPBT04C	Classifications			Physical and Biological			Metals (ug/L)						
Designation	Agriculture			DM	MWAT	acute	chronic						
Reviewable	Aq Life Warm 2			Temperature °C	WS-I	WS-I	Aluminum	---	---				
	Recreation E 5/1 - 10/15			acute	chronic	Arsenic	340	---					
	Recreation N 10/16 - 4/30			D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6				
	Qualifiers:				pH	6.5 - 9.0	---	Beryllium	---	---			
Fish Ingestion Standards				chlorophyll a (mg/m²)		---	---	Cadmium	TVS	TVS			
Other:				E. Coli (per 100 mL)		5/1 - 10/15	---	126	Chromium III	TVS	TVS		
				E. Coli (per 100 mL)		10/16 - 4/30	---	630	Chromium III(T)	---	100		
									Chromium VI	TVS	TVS		
				Inorganic (mg/L)					Copper	TVS	TVS		
				acute					chronic	Iron(T)	---	1000	
				Ammonia					TVS	TVS	Lead	TVS	TVS
				Boron					---	0.75	Manganese	TVS	TVS
				Chloride					---	---	Mercury	---	0.01(t)
				Chlorine					0.019	0.011	Molybdenum(T)	---	150
				Cyanide					0.005	---	Nickel	TVS	TVS
				Nitrate					100	---	Selenium	TVS	TVS
				Nitrite					---	0.5	Silver	TVS	TVS
				Phosphorus					---	---	Uranium	---	---
				Sulfate					---	---	Zinc	TVS	TVS
				Sulfide					---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

5. Mainstem of The Big Thompson River from I-25 to the confluence with the South Platte River.										
COSPBT05	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT	acute	chronic				
Reviewable	Aq Life Warm 2		Temperature °C	WS-I	WS-I	Aluminum	---	---		
	Recreation N		10/16 - 4/30	acute	chronic	Arsenic	340	---		
	Recreation P		5/1 - 10/15	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100	
Qualifiers:			pH	6.5 - 9.0	---	Beryllium	---	---		
Other:			chlorophyll a (mg/m²)		---	---	Cadmium	TVS	TVS	
			E. Coli (per 100 mL)		5/1 - 10/15	---	205	Chromium III	TVS	TVS
			E. Coli (per 100 mL)		10/16 - 4/30	---	630	Chromium III(T)	---	100
								Chromium VI	TVS	TVS
			Inorganic (mg/L)					Copper	TVS	TVS
					acute	chronic		Iron(T)	---	1000
			Ammonia		TVS	TVS		Lead	TVS	TVS
			Boron		---	0.75		Manganese	TVS	TVS
			Chloride		---	---		Mercury	---	0.01(t)
			Chlorine		0.019	0.011		Molybdenum(T)	---	150
			Cyanide		0.005	---		Nickel	TVS	TVS
			Nitrate		100	---		Selenium	TVS	TVS
			Nitrite		---	0.5		Silver	TVS	TVS
			Phosphorus		---	---		Uranium	---	---
			Sulfate		---	---		Zinc	TVS	TVS
			Sulfide		---	0.002				
6. All tributaries to the Big Thompson River, including all wetlands, from the Home Supply Canal diversion to the confluence with the South Platte River.										
COSPBT06	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT	acute	chronic				
UP	Aq Life Warm 2		Temperature °C	WS-I	WS-I	Aluminum	---	---		
	Recreation E			acute	chronic	Arsenic	340	---		
Qualifiers:			D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6		
Fish Ingestion Standards			pH	6.5 - 9.0	---	Beryllium	---	---		
Other:			chlorophyll a (mg/m²)		---	150	Cadmium	TVS	TVS	
			E. Coli (per 100 mL)		---	126	Chromium III	TVS	TVS	
			Inorganic (mg/L)					Chromium III(T)	---	100
					acute	chronic		Chromium VI	TVS	TVS
			Ammonia		TVS	TVS		Copper	TVS	TVS
			Boron		---	0.75		Iron(T)	---	1000
			Chloride		---	---		Lead	TVS	TVS
			Chlorine		0.019	0.011		Manganese	TVS	TVS
			Cyanide		0.005	---		Mercury	---	0.01(t)
			Nitrate		100	---		Molybdenum(T)	---	150
			Nitrite		---	0.5		Nickel	TVS	TVS
			Phosphorus		---	0.17		Selenium	TVS	TVS
			Sulfate		---	---		Silver	TVS	TVS
			Sulfide		---	0.002		Uranium	---	---
								Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

7. Mainstem of the North Fork of the Big Thompson River from the boundary of Rocky Mountain National Park to the confluence with the Big Thompson River; mainstem of Buckhorn Creek from the source to the confluence with the Big Thompson River.

COSPBT07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

8. Mainstem of the Little Thompson River, including all tributaries and wetlands, from the source to the Culver Ditch diversion.

COSPBT08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

9. Mainstem of the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River.						
COSPBT09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Selenium(chronic) = 12.3		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2020		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17*	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).

10. All tributaries to the Little Thompson River, including all wetlands, from the Culver Ditch diversion to the confluence with the Big Thompson River.						
COSPBT10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	---
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.17*	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).
 *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

11. Carter Lake.										
COSPBT11	Classifications	Physical and Biological				Metals (ug/L)				
Designation	Agriculture			DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---		
	Recreation E	Temperature °C	4/1 - 12/31	CLL	22.7	Arsenic	340	---		
	Water Supply					Arsenic(T)	---	0.02		
	DUWS					Beryllium	---	---		
Qualifiers:		D.O. (mg/L)		---	6.0	Cadmium	TVS(†r)	TVS		
Other:		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---		
		pH		6.5 - 9.0	---	Chromium III	---	TVS		
		chlorophyll a (ug/L)		---	---	Chromium III(T)	50	---		
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS		
						Copper	TVS	TVS		
			Inorganic (mg/L)			Iron	---	WS		
				acute	chronic	Iron(T)	---	1000		
		Ammonia		TVS	TVS	Lead	TVS	TVS		
		Boron		---	0.75	Lead(T)	50	---		
		Chloride		---	250	Manganese	TVS	TVS/WS		
		Chlorine		0.019	0.011	Mercury	---	0.01(t)		
		Cyanide		0.005	---	Molybdenum(T)	---	150		
		Nitrate		10	---	Nickel	TVS	TVS		
		Nitrite		---	0.05	Nickel(T)	---	100		
		Phosphorus		---	---	Selenium	TVS	TVS		
		Sulfate		---	WS	Silver	TVS	TVS(tr)		
		Sulfide		---	0.002	Uranium	---	---		
						Zinc	TVS	TVS		
		12. Lake Loveland, Horseshoe Lake, Boyd Lake.								
		COSPBT12	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT		acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C		WL	WL	Aluminum	---	---		
	Recreation E			acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)		---	5.0	Arsenic(T)	---	0.02		
	DUWS*	pH		6.5 - 9.0	---	Beryllium	---	---		
Qualifiers:		chlorophyll a (ug/L)		---	---	Cadmium	TVS	TVS		
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Classification: DUWS Applies to Boyd and Loveland Lakes only.		E. Coli (per 100 mL)		---	126	Cadmium(T)	5.0	---		
			Inorganic (mg/L)			Chromium III	---	TVS		
				acute	chronic	Chromium III(T)	50	---		
		Ammonia		TVS	TVS	Chromium VI	TVS	TVS		
		Boron		---	0.75	Copper	TVS	TVS		
		Chloride		---	250	Iron	---	WS		
		Chlorine		0.019	0.011	Iron(T)	---	1000		
		Cyanide		0.005	---	Lead	TVS	TVS		
		Nitrate		10	---	Lead(T)	50	---		
		Nitrite		---	0.5	Manganese	TVS	TVS/WS		
		Phosphorus		---	---	Mercury	---	0.01(t)		
		Sulfate		---	WS	Molybdenum(T)	---	150		
		Sulfide		---	0.002	Nickel	TVS	TVS		
						Nickel(T)	---	100		
						Selenium	TVS	TVS		
						Silver	TVS	TVS		
						Uranium	---	---		
						Zinc	TVS	TVS		

12. Lake Loveland, Horseshoe Lake, Boyd Lake.							
COSPBT12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---	
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Classification: DUWS Applies to Boyd and Loveland Lakes only.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

13. Berthoud Reservoir, Johnstown Reservoir.						
COSPBT13	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Water + Fish Standards		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Other:		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
14. Welch Reservoir, Lonetree Reservoir, Boedecker Lake, Lon Hagler Reservoir.						
COSPBT14	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Thompson River Basin

15. All lakes and reservoirs tributary to the Big Thompson River within Rocky Mountain National Park.						
COSPBT15	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
			Inorganic (mg/L)		Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
		16. All lakes and reservoirs tributary to the Big Thompson River from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion. This segment includes Lake Estes and St Mary's Lake.				
COSPBT16	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(†)
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 *Classification: DUWS applies to St.Mary's Lake only.	chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
			Inorganic (mg/L)		Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards](#) for details on TVS;
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

17. All lakes and reservoirs tributary to the Big Thompson River from the Home Supply Canal diversion to the confluence with the South Platte River, except for specific listings in Segments 12 and 14.

COSPBT17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

18. All lakes and reservoirs tributary to the Little Thompson River from the source to the Culver Ditch diversion.

COSPBT18	Classifications	Physical and Biological		Metals (ug/L)				
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS <tr>(tr)</tr>	TVS	
		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
				Chromium III(T)	50	---		
		Inorganic (mg/L)		Chromium VI	TVS	TVS		
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)		
		Uranium	---	---				
		Zinc	TVS	TVS				

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

19. All lakes and reservoirs tributary to the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River, except for specific listings in Segments 11 and 13.

COSPBT19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	WL		WL	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		5.0	---		0.02-10 ^A
Qualifiers:		pH		6.5 - 9.0	---		---
Other:		chlorophyll a (ug/L)		---	---		---
		E. Coli (per 100 mL)		---	126		---
		Inorganic (mg/L)			Chromium III		---
		acute		chronic	Chromium III(T)		50
		TVS		TVS	Chromium VI		TVS
		---		0.75	Copper		TVS
		---		250	Iron		---
		0.019		0.011	Iron(T)		1000
		0.005		---	Lead		TVS
		10		---	Lead(T)		50
		---		0.5	Manganese		TVS
		---		---	Mercury		0.01(t)
		---		WS	Molybdenum(T)		---
		---		0.002	Nickel		TVS
					Nickel(T)		---
					Selenium		TVS
					Silver		TVS
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

1. Mainstem of the Cache La Poudre River, and all tributaries and wetlands, within Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas.

COSPCP01	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
OW	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

2a. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from the boundaries of Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.						
COSPCP02A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(±)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

2b. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from a point immediately below the confluence with the South Fork Cache La Poudre River to the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion).

COSPCP02B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/2021				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

3. Deleted.					
COSPCP03	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Qualifiers:		acute	chronic		
Other:					
		Inorganic (mg/L)			
		acute	chronic		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

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Cache La Poudre River Basin

4. Deleted.				
COSPCP04	Classifications	Physical and Biological		Metals (ug/L)
Designation		DM	MWAT	acute chronic
Qualifiers:		acute	chronic	
Other:		Inorganic (mg/L)		
		acute	chronic	
5. Deleted.				
COSPCP05	Classifications	Physical and Biological		Metals (ug/L)
Designation		DM	MWAT	acute chronic
Qualifiers:		acute	chronic	
Other:		Inorganic (mg/L)		
		acute	chronic	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

6. Mainstem of the North Fork of the Cache La Poudre River, including all tributaries and wetlands, from the source to the inlet of Halligan Reservoir.						
COSPCP06	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7. Mainstem of the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 20.						
COSPCP07	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

8. All tributaries to the North Fork of the Cache La Poudre River, including all wetlands, from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 9.

COSPCP08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid					Chromium III(T)	50	---
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).		acute		chronic	Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

9. Mainstem of Rabbit Creek and Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.

COSPCP09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		acute	chronic	Copper	TVS	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

10a. Mainstem of the Cache La Poudre River from the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion) to a point immediately above the Larimer County Ditch diversion (40.657, -105.185).						
COSPCP10A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
10b. Mainstem of the Cache La Poudre River from a point immediately above the Larimer County Ditch diversion (40.657, -105.185) to Shields Street in Ft. Collins, Colorado.						
COSPCP10B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/2021		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

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11. Mainstem of the Cache La Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.						
COSPCP11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1 Recreation E	Temperature °C	WS-I	WS-I	Aluminum	---
		acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
temperature(DM/MWAT) = current	12/1 - 2/29	E. Coli (per 100 mL)	---	126	Chromium III	TVS
condition		Inorganic (mg/L)			Chromium III(T)	---
Expiration Date of 12/31/2020		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	2.7	Nickel	TVS
		Phosphorus	---	---	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

12. Mainstem of the Cache La Poudre River from a poin immediately above the confluence with Boxelder Creek to the confluence with the South Platte River.						
COSPCP12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1 Recreation E	Temperature °C	WS-I	WS-I	Aluminum	---
		acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
temperature(DM/MWAT) = current		E. Coli (per 100 mL)	---	126	Chromium III	TVS
condition		Inorganic (mg/L)			Chromium III(T)	---
Expiration Date of 12/31/2020		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	2.7	Nickel	TVS
		Phosphorus	---	---	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

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13a. All tributaries to the Cache La Poudre River, including all wetlands, from the Munroe Gravity Canal/North Poudre Supply canal diversion to the confluence with the South Platte River, except for specific listings in Segments 6, 7, 8, 13b and 13c.

COSPCP13A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---	
Other: *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---	
		Inorganic (mg/L)				Chromium III	---	TVS
						Chromium III(T)	50	---
						Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS	
		Boron	---	0.75	Iron	---	WS	
		Chloride	---	250	Iron(T)	---	1000	
		Chlorine	0.019	0.011	Lead	TVS	TVS	
		Cyanide	0.005	---	Lead(T)	50	---	
		Nitrate	10	---	Manganese	TVS	TVS/WS	
		Nitrite	---	0.5	Mercury	---	0.01(t)	
		Phosphorus	---	0.17*	Molybdenum(T)	---	150	
		Sulfate	---	WS	Nickel	TVS	TVS	
		Sulfide	---	0.002	Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	---	---	
					Zinc	TVS	TVS	

13b. Mainstem of Boxelder Creek from its source to the confluence with the Cache La Poudre River.

COSPCP13B	Classifications		Physical and Biological			Metals (ug/L)					
Designation	Agriculture		DM	MWAT	acute		chronic				
Reviewable	Aq Life Warm 2		Temperature °C	WS-II	WS-II	Aluminum	---	---			
	Recreation N	9/16 - 5/14		acute	chronic	Arsenic	340	---			
	Recreation P	5/15 - 9/15	D.O. (mg/L)	---	5.0	Arsenic(T)	---	100			
Qualifiers:			pH	6.5 - 9.0	---	Beryllium	---	---			
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).			chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS			
			E. Coli (per 100 mL)	5/15 - 9/15	---	205	Chromium III	TVS	TVS		
			E. Coli (per 100 mL)	9/16 - 5/14	---	630	Chromium III(T)	---	100		
						Chromium VI	TVS	TVS			
			Inorganic (mg/L)			Copper	TVS	TVS			
						Iron(T)	---	1000			
						Lead	TVS	TVS			
						Manganese	TVS	TVS			
						Mercury	---	0.01(t)			
						Molybdenum(T)	---	150			
						Nickel	TVS	TVS			
						Selenium	TVS	TVS			
						Silver	TVS	TVS			
						Phosphorus	---	0.17*	Uranium	---	---
						Sulfate	---	---	Zinc	TVS	TVS
						Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

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13c. Mainstems of South Branch of Boxelder Creek, North Branch of Boxelder Creek, and Sand Creek from their sources to their confluences with the mainstem of Boxelder Creek.						
COSPCP13C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E				Arsenic	---
	Water Supply				Arsenic(T)	0.02-10 ^A
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium	---
Other:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)
		pH	6.5 - 9.0	---	Cadmium(T)	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---
					Chromium VI	TVS
					Copper	TVS
					Iron	WS
					Iron(T)	1000
					Lead	TVS
					Lead(T)	---
					Manganese	TVS
					Mercury	0.01(t)
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	TVS

14. Horsetooth Reservoir.						
COSPCP14	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	Aluminum	---
	Recreation E	Temperature °C	4/1 - 12/31	CLL	Arsenic	---
	Water Supply				Arsenic(T)	0.02
	DUWS				Beryllium	---
Qualifiers:					Cadmium	TVS(tr)
Other:		D.O. (mg/L)	---	6.0	Cadmium(T)	---
		D.O. (spawning)	---	7.0	Chromium III	TVS
		pH	6.5 - 9.0	---	Chromium III(T)	---
		chlorophyll a (ug/L)	---	---	Chromium VI	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS
					Iron	WS
					Iron(T)	1000
					Lead	TVS
					Lead(T)	---
					Manganese	TVS/WS
					Mercury	0.01(t)
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

15. Watson Lake.						
COSPCP15	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

16. Reservoir #4 (T 9 N, R 68 W), Water Supply Reservoir #3 (T 8 N, R 68 W), Claymore Lake, College Lake, Dixon Reservoir, Robert Benson Lake, Black Hollow Reservoir, Seeley Lake.

COSPCP16	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (ug/L)	---	20*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.083*	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

17. All lakes and reservoirs tributary to the Cache La Poudre River within Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas.

COSPCP17	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
OW	Agriculture						
	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

18. All lakes and reservoirs tributary to the Cache La Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to the Munroe Gravity Canal/North Poudre Supply canal diversion.

COSPCP18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(±)	TVS
<div>Other:</div> <div>*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div> <div>*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.</div>		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

19. All lakes and reservoirs tributary to the North Fork of the Cache La Poudre River from the source to the inlet of Halligan Reservoir.						
COSPCP19	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.05	Mercury	---
		Phosphorus	---	0.025*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
20. All lakes and reservoirs tributary to the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River. This segment includes Halligan Reservoir and Seaman Reservoir.						
COSPCP20	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	1/1 - 3/31	CL,CLL	Aluminum	---
	Recreation E	Temperature °C	4/1 - 12/31	CLL*	Arsenic	340
	Water Supply				Arsenic(T)	---
Qualifiers:		acute	chronic		Beryllium	---
Water + Fish Standards		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = Seaman Reservoir		pH	6.5 - 9.0	---	Chromium III	---
		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
		Inorganic (mg/L)			Copper	TVS
		acute	chronic		Iron	---
		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	---	0.05	Nickel	TVS
		Phosphorus	---	0.025*	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

21. All lakes and reservoirs tributary to the Cache La Poudre River from the Munroe Gravity Canal/North Poudre Supply canal diversion to the confluence with the South Platte River, except for specific listings in Segments 14, 15, 16, 19, 20 and 22.

COSPCP21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to North Poudre Reservoir No. 3 only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

22. Fossil Creek Reservoir.

COSPCP22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Laramie River Basin

1. All tributaries to the Laramie River, including all wetlands, which are within the Rawah Wilderness Area.

COSPLA01	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		---	Chromium III(T)	TVS
				50	Chromium VI	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	WS
		Chlorine	0.019	0.011	Lead	---
		Cyanide	0.005	---	Lead(T)	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.05	Manganese	---
		Phosphorus	---	---	Manganese	TVS
		Sulfate	---	WS	Mercury	TVS/WS
		Sulfide	---	0.002	Mercury	---
		Inorganic (mg/L)		---	Molybdenum(T)	0.01(t)
				---	Molybdenum(T)	---
		Ammonia	TVS	TVS	Nickel	150
		Boron	---	0.75	Nickel	TVS

2a. Mainstem of the Laramie River from the source to the National Forest boundary, and all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for specific listings in Segment 1.

COSPLA02A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS(tr)
		E. Coli (per 100 mL)	---	126	Cadmium(T)	TVS
		Inorganic (mg/L)		---	Cadmium(T)	5.0
				---	Chromium III	---
		acute	chronic	Chromium III	TVS	TVS
		Ammonia	TVS	TVS	Chromium III(T)	---
		Boron	---	0.75	Chromium VI	TVS
		Chloride	---	250	Copper	TVS
		Chlorine	0.019	0.011	Iron	---
		Cyanide	0.005	---	Iron	WS
		Nitrate	10	---	Iron(T)	1000
		Nitrite	---	0.05	Lead	---
		Phosphorus	---	0.11	Lead	TVS
		Sulfate	---	WS	Lead(T)	TVS
		Sulfide	---	0.002	Lead(T)	50
		Inorganic (mg/L)		---	Manganese	---
				---	Manganese	TVS
		Ammonia	TVS	TVS	Mercury	TVS/WS
		Boron	---	0.75	Mercury	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Laramie River Basin

2b. Mainstem of the Laramie River from the National Forest boundary to the Colorado/Wyoming border.								
COSPLA02B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E	acute	chronic		Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	
3. All lakes and reservoirs tributary to the Laramie River within the Rawah Wilderness Area.								
COSPLA03	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT		acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---	
	Recreation E	acute	chronic		Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(†)	TVS	
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
					Chromium III(T)	50	---	
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute			chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	0.025*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Laramie River Basin

4. All lakes and reservoirs tributary to the Laramie River from the source to the Colorado/Wyoming border, except for specific listings in Segment 3.					
COSPLA04	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	CL	CL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	TVS
				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	WS
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	0.01(t)
		Nitrite	---	Molybdenum(T)	150
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	100
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower South Platte River Basin

1. Mainstem of the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border.						
COSPLS01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---
Arsenic(chronic) = hybrid		acute	chronic		Chromium III(T)	50
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower South Platte River Basin

2a. All tributaries to the South Platte River, including all wetlands, from the Weld/Morgan County line to the Colorado/Nebraska border, except for the specific listings in Segment 2b.

COSPLS02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation P	acute	chronic	Arsenic	340	---	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m²)	---	150*	Beryllium(T)	---	4.0
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	10
		Inorganic (mg/L)			Chromium III(T)	50	100
		acute	chronic	Chromium VI(T)	50	100	
		Ammonia	---	---	Copper	---	---
		Boron	---	0.75	Copper(T)	---	200
		Chloride	---	250	Iron	---	WS
		Chlorine	---	---	Lead(T)	50	100
		Cyanide	0.2	---	Manganese	---	WS
		Nitrate	10	---	Mercury	---	---
		Nitrite	---	1.0	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	---	---
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.05	Selenium	---	---
					Selenium(T)	---	20
					Silver	---	---
					Silver(T)	100	---
					Uranium	---	---
					Zinc	---	---
					Zinc(T)	---	2000

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower South Platte River Basin

2b. All tributaries to the South Platte River, including all wetlands, north of the South Platte River and below 4,500 feet in elevation in Morgan County, north of the South Platte River in Washington County, north of the South Platte River and below 4,200 feet in elevation in Logan County, north of the South Platte River and below 3,700 feet in elevation in Sedgwick County, and the mainstems of Beaver Creek, Bijou Creek and Kiowa Creek from their sources to the confluence with the South Platte River, except for the portion of Beaver Creek from its source to the Fort Morgan Canal.

COSPLS02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

3. Jackson Reservoir, Prewitt Reservoir, North Sterling Reservoir, Jumbo (Julesburg), Riverside Reservoir, Empire Reservoir, and Vancil Reservoir.

COSPLS03	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute		chronic
UP	Aq Life Warm 1	Temperature °C	4/1 - 12/31	WL*	26.1*	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 12/31	WL*	27*	Arsenic	340	---
	Water Supply	Temperature °C	4/1 - 12/31	WL*	28.1*	Arsenic(T)	---	0.02
Qualifiers:		Temperature °C		WL	WL	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = North Sterling Res. (MWAT=26.1) *Temperature(4/1 - 12/31) = Jumbo Reservoir (MWAT=27) *Temperature(4/1 - 12/31) = Jackson Reservoir (MWAT=28.1)				acute	chronic	Cadmium	TVS	TVS
						Cadmium(T)	5.0	---
		D.O. (mg/L)		---	5.0	Chromium III	---	TVS
		pH		6.5 - 9.0	---	Chromium III(T)	50	---
		chlorophyll a (ug/L)		---	20*	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)		---	126	Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		---	0.5	Nickel(T)	---	100
		Phosphorus		---	0.083*	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS
		Sulfide		---	0.002	Uranium	---	---
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower South Platte River Basin

4. All lakes and reservoirs tributary to the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border, except for specific listings in Segments 3 and 5.						
COSPLS04	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation P		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Beryllium(T)	---
		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III(T)	50
			acute	chronic	Chromium VI(T)	50
		Ammonia	---	---	Copper	---
		Boron	---	0.75	Copper(T)	---
		Chloride	---	250	Iron	---
		Chlorine	---	---	Iron(T)	---
		Cyanide	0.2	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.5	Mercury	---
		Phosphorus	---	0.083*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	---
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	---
					Selenium(T)	---
					Silver	---
					Silver(T)	100
					Uranium	---
					Zinc	---
			Zinc(T)	---		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower South Platte River Basin

5. All lakes and reservoirs tributary to the South Platte River north of the South Platte River and below 4,500 feet in elevation in Morgan County, north of the South Platte River in Washington County, north of the South Platte River and below 4,200 feet in elevation in Logan County, north of the South Platte River and below 3,700 feet in elevation in Sedgwick County, and the mainstems of Beaver Creek, Bijou Creek and Kiowa Creek from their sources to the confluence with the South Platte River, except for those specific listings in Segment 3.

COSPLS05	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.
 *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

1. Mainstem of the South Fork of the Republican River from a point 23 miles above the Colorado-Kansas border (39.582154°, -102.350838°) to the Colorado-Kansas border.						
COSPRE01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2021		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
2. Deleted.						
COSPRE02	Classifications	Physical and Biological			Metals (ug/L)	
Designation		DM	MWAT		acute	chronic
Qualifiers:		acute	chronic			
Other:						
		Inorganic (mg/L)				
		acute	chronic			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

3. Mainstem of the North Fork of the Republican River from the source to the Colorado/Nebraska border and the mainstem of Chief Creek.						
COSPREG03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2021					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
4. Mainstem of the Arikaree River from the confluence of the North and South Forks to the Colorado/Kansas border.						
COSPREG04	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	---
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	0.5	Nickel	TVS
		Phosphorus	---	0.17	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

5. Mainstem of Black Wolf Creek from the source to the confluence with the Arikaree River.						
COSPREF05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m²)	---	150	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
					Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

6. All tributaries to the Republican River system in Colorado, including all wetlands, except for specific listings in Segments 1, 3, 4 and 5.						
COSPREG06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation P		acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	100
Other: *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m²)	---	150*	Beryllium(T)	100
		E. Coli (per 100 mL)	---	205	Cadmium	---
		Inorganic (mg/L)			Cadmium(T)	10
			acute	chronic	Chromium III	---
		Ammonia	---	---	Chromium III(T)	100
		Boron	---	0.75	Chromium VI	---
		Chloride	---	---	Chromium VI(T)	100
		Chlorine	---	---	Copper	---
		Cyanide	0.2	---	Copper(T)	200
		Nitrate	100	---	Iron	---
		Nitrite	---	10	Lead	---
		Phosphorus	---	0.17*	Lead(T)	100
		Sulfate	---	---	Manganese	---
		Sulfide	---	---	Mercury	---
					Molybdenum(T)	150
					Nickel	---
					Nickel(T)	200
					Selenium	---
					Selenium(T)	20
					Silver	---
					Uranium	---
					Zinc	---
			Zinc(T)	2000		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for further details on applied standards for details on TVS,
 TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

7. Mainstem of the North Fork of the Smoky Hill River and mainstem of the Smoky Hill River, including all tributaries and wetlands, from the source to the Colorado/Kansas border.						
COSPREF07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---
	Recreation N		acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	100
Other: *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Beryllium	---
		chlorophyll a (mg/m²)	---	---	Beryllium(T)	100
		E. Coli (per 100 mL)	---	630	Cadmium	---
		Inorganic (mg/L)			Cadmium(T)	10
			acute	chronic	Chromium III	---
		Ammonia	---	---	Chromium III(T)	100
		Boron	---	0.75	Chromium VI	---
		Chloride	---	---	Chromium VI(T)	100
		Chlorine	---	---	Copper	---
		Cyanide	0.2	---	Copper(T)	200
		Nitrate	100	---	Iron	---
		Nitrite	---	10	Lead	---
		Phosphorus	---	0.17*	Lead(T)	100
		Sulfate	---	---	Manganese	---
		Sulfide	---	---	Mercury	---
					Molybdenum(T)	150
					Nickel	---
					Nickel(T)	200
					Selenium	---
					Selenium(T)	20
					Silver	---
					Uranium	---
					Zinc	---
			Zinc(T)	2000		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

8. All lakes and reservoirs tributary to the Republican and Smoky Hill Rivers in Colorado, except for specific listings in Segment 9.

COSPRE08	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation U	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m²)	---	---	Beryllium(T)	---	4.0
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	10
		Inorganic (mg/L)		Chromium III(T)	50	100	
		acute	chronic	Chromium VI(T)	50	100	
		Ammonia	---	---	Copper	---	---
		Boron	---	0.75	Copper(T)	---	200
		Chloride	---	250	Iron	---	WS
		Chlorine	---	---	Iron(T)	---	1000
		Cyanide	0.2	---	Lead(T)	50	100
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	---	0.5	Mercury	---	0.01(t)
		Phosphorus	---	---	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	---	---
		Sulfide	---	0.002	Nickel(T)	---	100
		Selenium	---	---			
		Selenium(T)	---	20			
		Silver	---	---			
		Silver(T)	100	---			
		Uranium	---	---			
		Zinc	---	---			
Zinc(T)	---	2000					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 [for further details on applied standards for details on TVS, TVS\(tr\), WS, temperature standards.](#)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

9. Bonny Reservoir, Stalker Lake.							
COSPRE09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other: *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.05	Manganese	TVS	TVS/WS
		Phosphorus	---	0.083*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for further details on applied standards for details on TVS,
TVS(tr), WS, temperature standards.

Table 2
SITE SPECIFIC RADIONUCLIDE STANDARDS*

(in Picocuries/Liter, except as noted)

The radionuclides listed below shall be maintained at the lowest practical level and in no case shall they be increased by any cause attributable to municipal, industrial, or agricultural practices to exceed the site specific numeric standards.

A. Ambient based site-specific standards:				
	Segment 2 Standley Lake	Segment 3 Great Western Reservoir	Segment 4a Segment 5 Woman Creek	Segment 4a Segment 4b Segment 5 Walnut Creek
Gross Alpha	6	5		
Gross Beta	9	12		
Plutonium	.03	.03	0.15** ***	0.15** ***
Americium	.03	.03	0.15** ***	0.15** ***
Tritium	500	500	500	500
Uranium	3	4	16.8 µg/l	16.8 µg/l
B. Other site-specific standard applicable to segments 2,3,4a, 4b, and 5.				
Curium	60	60	60	60
Neptunium	30	30	30	30

*Statewide standards also apply for radionuclides not listed above.

**0.15pCi/l Statewide Basic Standards.

***For plutonium and americium measurements in Segment 5 in Woman Creek and Segment 5 in Walnut Creek, attainment will be assessed based on the results of a 12-month flow-weighted rolling average concentration (computed monthly).

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

Notice of Proposed Rulemaking

Tracking number

2019-00401

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-32

Rule title

REGULATION NO. 32 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR
ARKANSAS RIVER BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

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Title

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COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Proposed revisions and proposed Statements of Basis, Specific Statutory Authority and Purpose have been submitted by the following:

- Exhibit 1 - Regulation #32, Water Quality Control Division (division);
- Exhibit 2 - Regulation #33, division;
- Exhibit 3 - Regulation #34, division;
- Exhibit 4 - Regulation #35, division;
- Exhibit 5 - Regulation #36, division;
- Exhibit 6 - Regulation #37, division;
- Exhibit 7 - Regulation #38, division;
- Exhibit 8 - Regulation #32, Resurrection Mining Company; and
- Exhibit 9 - Regulation #33, Climax Molybdenum Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 9, with expiration dates on or before December 31, 2021, will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.

Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 3:30 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN: 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator

EXHIBIT 1
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 32 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR ARKANSAS RIVER BASIN

5 CCR 1002-32

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

32.6 TABLES

(2) Abbreviations:

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water + Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/~~2021~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2021~~2024.
 - (a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (c) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

32.63 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION January 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modification should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

A. Temporary Modifications for Standards Other than Arsenic

The commission took no action on the following temporary modification:

Middle Arkansas Segment 2: temporary modifications of the acute and chronic temperature standards (expire 7/1/2021). Colorado Parks and Wildlife continues to make progress to resolve the uncertainty. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

The commission took no action on temporary modifications that were set to expire on or before the effective date of this hearing. The commission deleted the following temporary modifications, which were allowed to expire:

Upper Arkansas Segment 8b (cadmium and zinc)

B. Temporary Modifications for Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 32.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division's Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division's Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and

characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the “current condition” temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division’s Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-32

**REGULATION NO. 32
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
ARKANSAS RIVER BASIN**

**APPENDIX 32-1
Stream Classifications and Water Quality Standards Tables**

Effective 06/30/2019

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

1b. Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.

COARUA01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Aq Life Cold 1	DM	MWAT		acute	chronic	
Reviewable	Recreation E	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Other:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Temporary Modification(s):		pH	6.5 - 9.0	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Expiration Date of 12/31/ 2024 2024		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	210
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
		Inorganic (mg/L)					
		acute	chronic				
		Ammonia	TVS	TVS			
		Boron	---	---			
		Chloride	---	250			
		Chlorine	0.019	0.011			
		Cyanide	0.005	---			
		Nitrate	10	---			
		Nitrite	0.05	---			
		Phosphorus	---	0.11			
		Sulfate	---	WS			
		Sulfide	---	0.002			

2a. Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.

COARUA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
		Inorganic (mg/L)					
		acute	chronic				
		Ammonia	TVS	TVS			
		Boron	---	0.75			
		Chloride	---	250			
		Chlorine	0.019	0.011			
		Cyanide	0.005	---			
		Nitrate	10	---			
		Nitrite	0.05	---			
		Phosphorus	---	0.11*			
		Sulfate	---	WS			
		Sulfide	---	0.002			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

2c. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.							
COARUA02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS
*Designation: 9/30/00 Base-line does not apply		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		acute	chronic		Iron	---	WS
*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7998[ln hardness]-3.1725)		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(acute) = See 32.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
*Uranium(chronic) = See 32.5(3) for details.		Chloride	---	250	Lead(T)	50	---
*Zinc(acute) = 0.978*e^(0.8537[ln(hardness)]+2.2178)		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
*Zinc(chronic) = 0.986*e^(0.8537[ln(hardness)]+2.0469)		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

3. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.							
COARUA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		acute	chronic		Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

3. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.							
COARUA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid					Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Ammonia	TVS	TVS	Iron(T)	---	1000
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		Boron	---	0.75	Lead	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Chloride	---	250	Lead(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

4a. Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence.							
COARUA04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Ammonia	TVS	TVS	Iron(T)	---	1000
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		Boron	---	0.75	Lead	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Chloride	---	250	Lead(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
*Temperature =		Cyanide	0.005	---	Mercury(T)	---	0.01
DM=CSII and MWAT=CSII from 11/1-3/31		Nitrate	10	---	Molybdenum(T)	---	150
DM= 24.8 and MWAT=22.1 from 4/1-10/31		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS
4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge (38.390243, -105.068648), due east of Florence, to the inlet of Pueblo Reservoir.							
COARUA04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid					Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS. TVS(tr). WS. temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

5a. All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 5b through 12b.

COARUA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium VI	TVS	TVS
<div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).</div> <div>*Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866) \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))}$</div> <div>*Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909) \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))}$</div> <div>*Uranium(acute) = See 32.5(3) for details.</div> <div>*Uranium(chronic) = See 32.5(3) for details.</div>		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of Trout Creek from its source to Trout Creek Reservoir, including all tributaries and wetlands.

COARUA05B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866)} \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))$ *Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909)} \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))$ *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS	
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
					Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
				acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
			Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

7. Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.								
COARUA07	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS	
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838)) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS	
		acute	chronic	Iron	---	WS		
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	0.11	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		8b. Mainstem of Iowa Gulch from a point immediately below the historic upper ASARCO water supply intake at 39.224327, -106.223432 to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch).						
		COARUA08B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	100		
Qualifiers:		D.O. (mg/L)	---	6.0	Cadmium	SSE*	TVS	
Other:		D.O. (spawning)	---	7.0	Chromium III	TVS	TVS	
Temporary Modification(s):		pH	6.5 - 9.0	---	Chromium III(T)	---	100	
Cadmium(chronic) = 1.2		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS	
Zinc(acute) = 593		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS	
Zinc(chronic) = 325					Iron(T)	---	1000	
Expiration Date of 6/30/2020		Inorganic (mg/L)			Lead	TVS	TVS	
*Cadmium(acute) = (1.136672-[ln(hardness)*0.041838])*e^(0.9789*ln(hardness)-3.5146) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		acute	chronic	Manganese	TVS	TVS		
		Ammonia	TVS	TVS	Mercury(T)	---	0.01	
		Boron	---	0.75	Molybdenum(T)	---	150	
		Chloride	---	---	Nickel	TVS	TVS	
		Chlorine	0.019	0.011	Selenium	TVS	TVS	
		Cyanide	---	---	Silver	TVS	TVS(tr)	
		Nitrate	100	---	Uranium	varies*	varies*	
		Nitrite	0.05	---	Zinc	TVS	TVS	
		Phosphorus	---	0.11				
		Sulfate	---	---				
		Sulfide	---	0.002				

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

12a. Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.							
COARUA12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium VI	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Cadmium(acute) = e ^{^(0.9789*ln(hardness)-3.866)} *(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e ^{^(0.7977*ln(hardness)-3.909)} *(1.101672-(ln(hardness)*0.041838)) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12b. Mainstem of Cottonwood Creek (Chaffee County), from the source to the confluence with the Arkansas River; South Fork of the Arkansas, including all tributaries and wetlands, from the National Forest boundary to the confluence with the Arkansas River.							
COARUA12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

13. All tributaries to the Arkansas River, including wetlands, which are on National Forest lands, from the confluence with Brown's Creek to the inlet to Pueblo Reservoir, except for specific listings in segments 12b, 14a, 14c and 15-27.

COARUA13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

14b. All tributaries to the Arkansas River, including wetlands, which are not on National Forest lands, from the confluence with Brown's Creek to the Chaffee/Fremont County line, except for the specific listing in segment 12b.

COARUA14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

15a. Mainstem of Badger Creek from the source to the confluence with the Arkansas, including all tributaries and wetlands. Mainstem of Texas Creek from the forest service boundary to the confluence with the Arkansas River, including all tributaries and wetlands which are not on forest service land.

COARUA15A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

15b. Mainstem of Grape Creek, including all tributaries and wetlands, from the source to the outlet of De Weese Reservoir, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).

COARUA15B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

16c. Mainstem of Tallahassee Creek from a point immediately below the confluence with South Tallahassee Creek to the confluence with the Arkansas River.							
COARUA16C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
17a. Mainstem of Cottonwood Creek (Fremont County), including all tributaries and wetlands, from the source to a point immediately below the confluence with North Waugh Creek.							
COARUA17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17a. Mainstem of Cottonwood Creek (Fremont County), including all tributaries and wetlands, from the source to a point immediately below the confluence with North Waugh Creek.							
COARUA17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

18. Mainstem of Carrant Creek (Park County), including all tributaries and wetlands, from the source to the confluence with Tallahassee Creek, except for the specific listings in 17a, 17b, and 17c.

COARUA18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

19. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the source to immediately below the confluence with High Creek.

COARUA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

24. Mainstem of East and West Beaver Creeks, including all tributaries and wetlands, from the source to the confluence with Beaver Creek; mainstem of Beaver Creek from the source to the point of diversion to Brush Hollow Reservoir.							
COARUA24	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
37. All lakes and reservoirs tributary to the mainstem of Fourmile Creek from the source to the confluence with the Arkansas River. This segment includes Wrights Reservoir.							
COARUA37	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

2. Mainstem of the Arkansas River from the outlet of Pueblo Reservoir to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.							
COARMA02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
temperature(ac/ch) = current conditions		Inorganic (mg/L)			Iron	---	WS
Expiration Date of 7/1/2021		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3. Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.							
COARMA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	26.3	17.1
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

5a. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary.							
COARMA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
5b. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill.							
COARMA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the Saint Charles River, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately above the CF&I diversion canal (38.045800, -104.802787) near Burnt Mill.							
COARMA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Iron	---	WS
*Uranium(acute) = See 32.5(3) for details.					Iron(T)	---	1000
*Uranium(chronic) = See 32.5(3) for details.					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

7a. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the source to the San Isabel National Forest boundary, except for specific listings in segment 1.
Mainstem of Graneros Creek, from the source to the San Isabel National Forest boundary, except for specific listings in segment 1. All tributaries to Muddy Creek, including wetlands, from the source to the San Isabel National Forest boundary.

COARMA07A Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---
	Recreation E	acute chronic		Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)		Copper	TVS TVS
*Uranium(acute) = See 32.5(3) for details.		acute chronic		Iron	--- WS
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS TVS	Iron(T)	--- 1000
		Boron	--- 0.75	Lead	TVS TVS
		Chloride	--- 250	Lead(T)	50 ---
		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
		Cyanide	0.005 ---	Mercury(T)	--- 0.01
		Nitrate	10 ---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	Nickel	TVS TVS
		Phosphorus	--- 0.11	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	Silver	TVS TVS(tr)
				Uranium	varies* varies*
				Zinc	TVS TVS

7b. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.

COARMA07B Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II CS-II	Arsenic	340 ---
	Recreation E	acute chronic		Arsenic(T)	--- 0.02
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150	Chromium III(T)	50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)		Copper	TVS TVS
*Uranium(acute) = See 32.5(3) for details.		acute chronic		Iron	--- WS
*Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS TVS	Iron(T)	--- 1000
		Boron	--- 0.75	Lead	TVS TVS
		Chloride	--- 250	Lead(T)	50 ---
		Chlorine	0.019 0.011	Manganese	TVS TVS/WS
		Cyanide	0.005 ---	Mercury(T)	--- 0.01
		Nitrate	10 ---	Molybdenum(T)	--- 150
		Nitrite	0.05 ---	Nickel	TVS TVS
		Phosphorus	--- 0.11	Nickel(T)	--- 100
		Sulfate	--- WS	Selenium	TVS TVS
		Sulfide	--- 0.002	Silver	TVS TVS(tr)
				Uranium	varies* varies*
				Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

9. Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.							
COARMA09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	TVS	TVS	
Expiration Date of 12/31/20242024		Ammonia	TVS	TVS	Iron	---	WS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4).		Boron	---	0.75	Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 32.5(4).		Chloride	---	250	Lead	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Chlorine	0.019	0.011	Lead(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	700	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
11a. Mainstem of the Huerfano River including all tributaries and wetlands, from the source to 570 Road near Malachite, except for the specific listings in segment 1. Pass Creek, including all tributaries and wetlands, from the source to 565 Road. Muddy Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Bruff Creek, except for the specific listings in segment 1. Mainstem of Turkey Creek (in Huerfano County) from the source to 620 Road, except for the specific listings in segment 1.							
COARMA11A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nicel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

11a. Mainstem of the Huerfano River including all tributaries and wetlands, from the source to 570 Road near Malachite, except for the specific listings in segment 1. Pass Creek, including all tributaries and wetlands, from the source to 565 Road. Muddy Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Bruff Creek, except for the specific listings in segment 1. Mainstem of Turkey Creek (in Huerfano County) from the source to 620 Road, except for the specific listings in segment 1.

COARMA11A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
	Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

11b. Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.

COARMA11B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute		chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

13a. All tributaries, including wetlands, to the Cucharas River within the San Isabel National Forest boundaries, except for the specific listings in segment 1. Mainstem of the Cucharas River, from the source to a point immediately above the confluence with Middle Creek, except for the specific listings in segment 1. Wahatoya Creek, including all tributaries and wetlands, from the source to the confluence with the Cucharas River, except for the specific listings in segment 1. All tributaries to Middle Creek, including wetlands, from the source to a point immediately below the confluence of North and South Middle Creeks.

COARMA13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

13b. Mainstem of the Cucharas River from a point immediately above the confluence with Middle Creek to the confluence with North Abeyta Creek (37.567852, -104.907046). All tributaries, including wetlands, to the Cucharas River from the San Isabel National Forest boundary to a point immediately below North Abeyta Creek (37.567852, -104.907046), except for specific listings in Segment 13a. Mainstem of Middle Creek, including all tributaries and wetlands, from a point immediately below the confluence of North and South Middle Creeks to the confluence with the Cucharas River, except for specific listings in 13a.

COARMA13B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17. All tributaries to Apache Creek, including wetlands, from the source to a point immediately below the confluence of North and South Apache Creeks, except for the specific listings in segment 1. All tributaries, including wetlands, to the Huerfano River above the confluence with the Cucharas River that are within the San Isabel National Forest boundaries, except for the specific listings in segment 1 and 11a.

COARMA17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

18a. Mainstem of Boggs Creek from the source to Pueblo Reservoir.							
COARMA18A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

18b. Turkey Creek (Pueblo County) from U.S. Highway 50 to Pueblo Reservoir. Unnamed tributary to Arkansas River, that flows from the south and whose confluence with the Arkansas River is located at 38.267623, -104.668298. Mainstem of Rush Creek (Pueblo County) from the source to the confluence with the Arkansas River.							
COARMA18B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

18b. Turkey Creek (Pueblo County) from U.S. Highway 50 to Pueblo Reservoir. Unnamed tributary to Arkansas River, that flows from the south and whose confluence with the Arkansas River is located at 38.267623, -104.668298. Mainstem of Rush Creek (Pueblo County) from the source to the confluence with the Arkansas River.							
COARMA18B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle Arkansas River Basin

20. Pueblo Reservoir.						
COARMA20	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	6.0	Cadmium	TVS(tr)	TVS
	DUWS	D.O. (spawning)	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	5*	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid				Copper	TVS	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)		Iron	---	WS
		acute	chronic	Iron(T)	---	1000
*chlorophyll a (ug/L)(chronic) = See assessment location at 32.6(4).		Ammonia	TVS	Lead	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Boron	0.75	Lead(T)	50	---
*Uranium(chronic) = See 32.5(3) for details.		Chloride	250	Manganese	TVS	TVS/WS
*Temperature =		Chlorine	0.019	Mercury(T)	---	0.01
DM=CLL and MWAT=CLL from 1/1-3/31		Cyanide	0.005	Molybdenum(T)	---	150
DM= CLL and MWAT=23.6 from 4/1-12/31		Nitrate	10	Nickel	TVS	TVS
		Nitrite	0.05	Nickel(T)	---	100
		Phosphorus	---	Selenium	TVS	TVS
		Sulfate	WS	Silver	TVS	TVS(tr)
		Sulfide	0.002	Uranium	varies*	varies*
				Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

1a. Mainstem of Fountain Creek, including all tributaries and wetlands, from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 1b.

COARF001A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

1b. Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.

COARF001B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

3a. All tributaries to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for the mainstem of Monument Creek in the Air Force Academy lands and specific listings in segment 3b. Cheyenne Creek, including tributaries and wetlands from the source to the confluence with Fountain Creek. Bear Creek below Gold Camp Road to the confluence with Fountain Creek. Little Fountain Creek from the source to Highway 115. Rock Creek from the source to Highway 115. North Monument Creek from the source to the confluence with Monument Creek. Beaver Creek from the source to the confluence with Monument Creek.

COARFO03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

3b. Bear Creek, and all tributaries, from the source to a point immediately upstream of Gold Camp Road.

COARFO03B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Fountain Creek Basin

5a. Jimmy Camp Creek, including all tributaries and wetlands from the source to Old Pueblo Road (38.673200, -104.696739). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek.

COARFO05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

8. All lakes and reservoirs tributary to the mainstem of Fountain Creek from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 9.

COARF008	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Classification: DUWS applies to Big Tooth Reservoir, Lake Moraine, Woodmoor Lake		Boron	---	0.75	Lead(T)	50	---
*Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Chloride	---	250	Manganese	TVS	TVS/WS
*Uranium(acute) = See 32.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---	0.01
*Uranium(chronic) = See 32.5(3) for details.		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

1b. Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.						
COARLA01B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Water + Fish Standards Apply		chlorophyll a (mg/m ²)	---	---	Chromium III	---
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
Temporary Modification(s):		Inorganic (mg/L)		Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	TVS	TVS
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Iron	---
Discharger Specific Variance(s):		Boron	---	0.75	Iron(T)	---
Selenium(chronic) = See Section 32.6(6)(d)(ii) for details on variance for the City of Las Animas.		Chloride	---	250	Lead	TVS
Expiration Date of 12/31/2025		Chlorine	0.019	0.011	Lead(T)	50
*Uranium(acute) = See 32.5(3) for details.		Cyanide	0.005	---	Manganese	TVS
*Uranium(chronic) = See 32.5(3) for details.		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.5	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	902	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

1c. Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.						
COARLA01C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Water + Fish Standards Apply		chlorophyll a (mg/m ²)	---	---	Chromium III	---
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50
Temporary Modification(s):		Inorganic (mg/L)		Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	TVS	TVS
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Iron	---
*Uranium(acute) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---
*Uranium(chronic) = See 32.5(3) for details.		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.5	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	1900	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

3a. Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.

COARLA03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5a. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Guajatoyah Creek; mainstem of the Middle Fork of the Purgatoire River, including all tributaries and wetlands, from the source to the Bar Ni Ranch Road at Stonewall Gap; Mainstem of the South Fork of the Purgatoire River, including all tributaries and wetlands, from the source to Tercio.

COARLA05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

5b. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from a point immediately below the confluence with Guajatoyah Creek to the confluence with the Purgatoire River. Mainstem of the Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to the confluence with the North Fork of the Purgatoire River. Mainstem of the South Fork of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.

COARLA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	4.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5c. Purgatoire mainstem from Trinidad Lake outlet works to I-25. Mainstem of Raton Creek from the source to the confluence of Purgatoire River.							
COARLA05C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 32.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 32.5(4). *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	2.0	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

9a. Mainstems of Adobe, Buffalo, Cheyenne, Clay, Gageby, Horse, Two Butte, Wildhorse and Wolf Creeks from their sources to their confluences with the Arkansas River. Mainstems of Chacuacho Creek, San Francisco Creek, Trinchera Creek and Van Bremer Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Willow Creek from Highway 287 to the confluence with the Arkansas River. Mainstem of Big Sandy Creek from the source to the El Paso/Elbert county line. Mainstem of South Rush Creek from the source to the confluence with Rush Creek. Mainstem of Middle Rush Creek from the source to the confluence with North Rush Creek. North Rush Creek from the source to the confluence with South Rush Creek. Mainstem of Rush Creek to the Lincoln County Line. Mainstem of Antelope Creek from the source to the confluence with Rush Creek; the West May Valley drain from the Fort Lyon Canal to the confluence with the Arkansas River.

COARLA09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 32.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

9b. Mainstem of Apache Creek from the source to the confluence with the North Rush Creek. Mainstem of Breckenridge Creek from the source to the confluence with Horse Creek. Mainstem of Little Horse Creek from the source to the confluence with Horse Creek. Mainstem of Bob Creek from the source to Meredith Reservoir. Mainstem of Big Sandy Creek within Prowers County. Mainstem of Rule Creek from the Bent/Las Animas county line to John Martin Reservoir. Mainstem of Muddy Creek from the south boundary of the Setchfield State Wildlife Area to the confluence with Rule Creek. Mainstem of Caddoa Creek from CC Road to the confluence with the Arkansas River. Mainstem of Cat Creek from the source to the confluence with Clay Creek. Mainstem of Mustang Creek from the source to the confluence with Apishapa River. Mainstem of Chicosa Creek from the source to the Arkansas River. Mainstem of Smith Canyon from the Otero/Las Animas county line to the confluence with the Purgatoire River. Mainstem of Mud Creek from V Road to the confluence with the Arkansas River. Mainstems of Frijole Creek and Luning Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Blackwell Arroyo from its source to the confluence with Luning Arroyo. Mainstem of San Isidro Creek from the source to the confluence with San Francisco Creek.							
COARLA09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Arkansas River Basin

11. John Martin Reservoir.							
COARLA11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024			acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
19. All lakes and reservoirs tributary to the Arkansas River, except for specific listings in segments 10-18 and Middle Arkansas Basin segments 19-28.							
COARLA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024			acute	chronic	Copper	TVS	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

19. All lakes and reservoirs tributary to the Arkansas River, except for specific listings in segments 10-18 and Middle Arkansas Basin segments 19-28.							
COARLA19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (ug/L)	---	20*	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic		Copper	TVS	TVS
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	0.083*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

EXHIBIT 2
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 33 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR UPPER COLORADO RIVER BASIN AND NORTH PLATTE RIVER (PLANNING REGION 12)

5 CCR 1002-33

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

33.6 TABLES

(2) Abbreviations:

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water+Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/~~2021~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2021~~2024.
 - (a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (c) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

33.63 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2019 EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The Commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modification should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

A. Temporary Modifications for Standards Other than Arsenic

The commission extended the following temporary modification:

Blue River Segment 14: temporary modification of the chronic molybdenum standard (expires 6/30/2023). The commission extended this temporary modification from 6/30/2020 to 6/30/2023 to provide time for information to become available to support development of an updated molybdenum standard to protect the Water Supply use. In addition, Climax Molybdenum Company continues to make progress to investigate molybdenum sources/source control, influent control measures, water management alternatives, available blending, potential treatment and treatment optimization options, and the expected effluent quantity and quality that could be achieved with each alternative.

An extension of the temporary modification is needed due to the delay in the release of the updated version of the Agency of Toxic Substances and Disease Registry's (ATSDR) draft toxicological profile for molybdenum, which will inform development of an updated molybdenum table value standard. It is unknown when the ATSDR toxicological profile will be available, which has resulted in the indefinite continuation of the commission's consideration of a revised molybdenum standard. As a result of this delay, the commission extended the "current condition" temporary modification to June 30, 2023. When the ATSDR toxicological profile becomes available, a hearing to consider a revised molybdenum standard will be scheduled expeditiously.

During the 2018 temporary modifications rulemaking hearing (see 33.61), the commission directed the division to develop a numeric operative value(s) to replace the existing narrative operative value of "current condition" if this temporary modification was extended. The intended purpose of this change was to establish a baseline condition which must be preserved in Blue River Segment 14 and facilitate future evaluations of status quo preservation in the waterbody and effluent. However, due to differences in statistical methods and the form of molybdenum used in standards assessment versus permitting, the commission determined that adoption of a numeric operative value may inadvertently cause permit compliance issues, and therefore retained the narrative "current condition" operative value for this temporary modification. Maintenance of status quo will instead be addressed through discharge permit limits and evaluation of instream data, with the baseline instream condition characterized in this and previous (33.61) statement of basis.

To address the requirement to maintain status quo in effluent, the division has developed implementation guidance to translate narrative “current condition” temporary modifications into numeric limits in discharge permits using past performance data as a baseline. Climax restarted operations and began producing molybdenum concentrate in May 2012. The “current condition” temporary modification was adopted in June 2014, after operations resumed at Climax. For the purposes of molybdenum in Segment 14, the relevant baseline is the water quality condition represented by data collected from May 2012 to June 2014, when the temporary modification was originally adopted.

To address the requirement to maintain status quo instream, the 50th percentile molybdenum concentration of 170 µg/L in Tenmile Creek from the May 2012 to June 2014 period of record will be used as a baseline to compare to data collected after the temporary modification was adopted in June 2014. Comparisons are to be conducted using the ambient standards assessment technique in Appendix B of the 303(d) listing methodology and using water quality data from the two sites on Tenmile Creek near Frisco (Climax site “Frisco 3rd Ave” and Denver Water site “Ten Mile Creek above Dillon”). Use of the ambient standards assessment methodology to compare the baseline period water quality (May 2012 to June 2014) to current water quality (July 2014 to April 2019) indicates that the lower confidence limit of the 50th percentile molybdenum concentration is currently not higher than the baseline. Based on this information, at this time, the commission finds “status quo” is currently being preserved.

The commission expects that Climax will continue to provide written reports detailing its ongoing molybdenum investigations to all stakeholders each year by July 1. Further, the commission encourages Climax to continue sharing information and data with the public and interested parties on a routine and ongoing basis.

B. Temporary Modifications for Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 33.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division’s Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division’s Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources

of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the “current condition” temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division’s Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-33

**REGULATION NO. 33
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
UPPER COLORADO RIVER BASIN AND
NORTH PLATTE RIVER (PLANNING REGION 12)**

**APPENDIX 33-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~12/31/2019~~06/30/2020

Abbreviations and Acroynms

Aq	=	Aquatic
°C	=	degrees Celsius
CL	=	cold lake temperature tier
CLL	=	cold large lake temperature tier
CS-I	=	cold stream temperature tier one
CS-II	=	cold stream temperature tier two
D.O.	=	dissolved oxygen
DM	=	daily maximum temperature
DUWS	=	direct use water supply
E. coli	=	<i>Escherichia coli</i>
EQ	=	existing quality
mg/L	=	milligrams per liter
mg/m ²	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
UP	=	use-protected
WS	=	water supply
WS-I	=	warm stream temperature tier one
WS-II	=	warm stream temperature tier two
WS-III	=	warm stream temperature tier three
WL	=	warm lake temperature tier

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

1. Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Rocky Mountain National Park.							
COUCUC01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
2. Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Arapahoe National Recreation Area, except for the specific listing in Segment 5.							
COUCUC02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

3. Mainstem of the Colorado River from the outlet of Lake Granby to below the confluence with the Roaring Fork River.							
COUCUC03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
4. All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to above the confluence with the Roaring Fork River, which are on National Forest lands, except for the specific listings in Segments 2, 8, 9 and 10a.							
COUCUC04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

5. Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence with the Colorado River.							
COUCUC05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
6a. All tributaries to the Colorado River, including all wetlands, from the border of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Blue River and Muddy Creek, which are not on National Forest lands, except for the specific listings in Segments 5, 6b, 8 and 10a-c.							
COUCUC06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

6a. All tributaries to the Colorado River, including all wetlands, from the border of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Blue River and Muddy Creek, which are not on National Forest lands, except for the specific listings in Segments 5, 6b, 8 and 10a-c.							
COUCUC06A		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
			Inorganic (mg/L)		Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

7a. All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, which are not on National Forest lands, except for specific listings in Segment 7b, 7c, 7d, 7e and in the Blue River, Eagle River, and Roaring Fork River basins.

COUCUC07A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) ---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)		Copper	TVS TVS
*Uranium(acute) = See 33.5(3) for details.		acute		Iron	--- WS
*Uranium(chronic) = See 33.5(3) for details.		chronic		Iron(T)	--- 1000
*Temperature =		Ammonia	TVS	TVS	Lead TVS TVS
See 33.6(4) for temperature standards.		Boron	---	0.75	Lead(T) 50 ---
		Chloride	---	250	Manganese TVS TVS/WS
		Chlorine	0.019	0.011	Mercury(T) --- 0.01
		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	0.05	---	Nickel(T) --- 100
		Phosphorus	---	0.11	Selenium TVS TVS
		Sulfate	---	WS	Silver TVS TVS(tr)
		Sulfide	---	0.002	Uranium varies* varies*
				Zinc	TVS TVS

7b. All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River. Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek, Piney River and Blacktail Creek, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest lands.

COUCUC07B	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) ---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)		Copper	TVS TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		acute		Iron	--- WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		chronic		Iron(T)	--- 1000
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead TVS TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T) 50 ---
		Chloride	---	250	Manganese TVS TVS/WS
		Chlorine	0.019	0.011	Mercury(T) --- 0.01
		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	0.05	---	Nickel(T) --- 100
		Phosphorus	---	0.11*	Selenium TVS TVS
		Sulfate	---	WS	Silver TVS TVS(tr)
		Sulfide	---	0.002	Uranium varies* varies*
				Zinc	TVS TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

8. Mainstem of the Williams Fork River, including all tributaries and wetlands, from the source to the confluence with the Colorado River, except for those tributaries in Segment 9.							
COUCUC08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Iron(chronic) = Point of compliance at Aspen Canyon Ranch well. *Manganese(chronic) = Point of compliance at Aspen Canyon Ranch well. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS*
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS*
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	190
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
10a. Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge (39.933728, -105.789785). All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segments 2 and 9.							
COUCUC10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

10a. Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge (39.933728, -105.789785). All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segments 2 and 9.							
COUCUC10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Colorado River Basin

10b. Mainstem of the Fraser River from a point immediately below the Rendezvous Bridge (39.933728, -105.789785) to a point immediately below the Hammond No 1 Ditch (39.952113, -105.814481).

COUCUC10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

10c. Mainstem of the Fraser River from a point immediately below the Hammond No 1 Ditch (39.952113, -105.814481) to the confluence with the Colorado River.

COUCUC10C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

1. Mainstem of the Blue River from the source to above the confluence with French Gulch.							
COUCBL01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
2a. Mainstem of the Blue River from above the confluence with French Gulch to a point one half mile below Coyne Valley Road (39.523189, -106.050805).							
COUCBL02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	4	4
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Zinc(acute) = e^(1.25 (ln(hard)+0.799))		Chloride	---	250	Manganese	TVS	TVS/WS
*Zinc(chronic) = e^(1.25 (ln(hard)+0.799))		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	SSE*	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

2b. Mainstem of the Blue River from a point one half mile below Coyne Valley Road (39.523189, -106.050805) to above the confluence with the Swan River.							
COUCBL02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	SSE*	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Cadmium(acute) = 1/2e^(1.0166(ln(hard)-3.132))		acute	chronic	Iron(T)	---	1000	
*Cadmium(chronic) = 1/2e^(1.0166(ln(hard)-3.132))		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
*Uranium(chronic) = See 33.5(3) for details.		Chloride	---	250	Manganese	TVS	TVS/WS
*Zinc(acute) = e^(0.9805(ln(hard)+1.402))		Chlorine	0.019	0.011	Mercury(T)	---	0.01
*Zinc(chronic) = e^(0.9805(ln(hard)+1.402))		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	SSE*	SSE*

2c. Mainstem of the Blue River from above the confluence with the Swan River to Dillon Reservoir.							
COUCBL02C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		acute	chronic	Iron	---	WS	
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(acute) = See 33.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

4a. All direct tributaries, including wetlands, to Dillon Reservoir and all tributaries, including wetlands, to the Blue River above Dillon Reservoir, except for specific listings in Segments 1, 2a, 2b, 2c, 4b, 6a, 10-14 and 16.

COUCBL04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/ 2024 <u>2024</u>					Chromium VI	TVS	TVS
*Cadmium(acute) = $e^{(0.9789 \ln(\text{hardness}) - 3.866) \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))}$ *Cadmium(chronic) = $e^{(0.7977 \ln(\text{hardness}) - 3.909) \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))}$ *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

6a. Mainstem of the Snake River, including all tributaries and wetlands, from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8 and 9.

COUCBL06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/ 2024 <u>2024</u>					Chromium VI	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Cadmium(acute) = $e^{(0.9789 \ln(\text{hardness}) - 3.866) \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))}$ *Cadmium(chronic) = $e^{(0.7977 \ln(\text{hardness}) - 3.909) \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))}$ *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

8. Mainstem of Keystone Gulch, including all tributaries and wetlands, from the source to the confluence with the Snake River. Mainstem of Chihuahua Creek, including all tributaries and wetlands, from the source to the confluence with Peru Creek. Mainstem of the North Fork Snake River, including all tributaries and wetlands, from the source to the confluence with the Snake River. Mainstem of Jones Gulch, including all tributaries and wetlands, from the source to the confluence with the Snake River.

COUCBL08	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM		MWAT	acute		chronic		
	Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
		Recreation E	acute		chronic	Arsenic(T)		---	0.02
		Water Supply	D.O. (mg/L)		---	6.0	Cadmium		TVS(tr)
Qualifiers:		D.O. (spawning)		---	7.0	Cadmium(T)		5.0	---
Other:		pH		6.5 - 9.0	---	Chromium III		---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)		---	150*	Chromium III(T)		50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		---	126	Chromium VI		TVS	TVS
Expiration Date of 12/31/ 2024 2024						Copper		TVS	TVS
<div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Uranium(acute) = See 33.5(3) for details.</div> <div>*Uranium(chronic) = See 33.5(3) for details.</div>		Inorganic (mg/L)			Iron		---	WS	
				acute	chronic	Iron(T)		---	1000
		Ammonia		TVS	TVS	Lead		TVS	TVS
		Boron		---	0.75	Lead(T)		50	---
		Chloride		---	250	Manganese		TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury(T)		---	0.01
		Cyanide		0.005	---	Molybdenum(T)		---	150
		Nitrate		10	---	Nickel		TVS	TVS
		Nitrite		0.05	---	Nickel(T)		---	100
		Phosphorus		---	0.11*	Selenium		TVS	TVS
		Sulfate		---	WS	Silver		TVS	TVS(tr)
		Sulfide		---	0.002	Uranium		varies*	varies*
						Zinc		TVS	TVS/TVS(sc)

14. Mainstem of Tenmile Creek, including all tributaries and wetlands, from a point immediately above the confluence with West Tenmile Creek to Dillon Reservoir, except for the specific listings in Segment 16.

COUCBL14	Classifications	Physical and Biological			Metals (ug/L)				
Designation	Agriculture	DM		MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---		
	Recreation E	acute		chronic	Arsenic(T)		---	0.02	
	Water Supply	D.O. (mg/L)		---	6.0	Cadmium		TVS(tr)	TVS
Qualifiers:		D.O. (spawning)		---	7.0	Cadmium(T)		5.0	---
Other:		pH		6.5 - 9.0	---	Chromium III		---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)		---	150*	Chromium III(T)		50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		---	126	Chromium VI		TVS	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>						Copper		TVS	TVS
Molybdenum(chronic) = current conditions						Iron		---	WS
Expiration Date of 6/30/ 2020 <u>2023</u>						Iron(T)		---	1000
<div>*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).</div> <div>*Uranium(acute) = See 33.5(3) for details.</div> <div>*Uranium(chronic) = See 33.5(3) for details.</div> <div>*TempMod: Molybdenum = Adopted 6/9/2014</div>						Lead		TVS	TVS
		Ammonia		TVS	TVS	Lead(T)		50	---
		Boron		---	0.75	Manganese		TVS	TVS/WS
		Chloride		---	250	Mercury(T)		---	0.01
		Chlorine		0.019	0.011	Molybdenum(T)		---	210
		Cyanide		0.005	---	Nickel		TVS	TVS
		Nitrate		10	---	Nickel(T)		---	100
		Nitrite		0.05	---	Selenium		TVS	TVS
		Phosphorus		---	0.11*	Silver		TVS	TVS(tr)
		Sulfate		---	WS	Uranium		varies*	varies*
		Sulfide		---	0.002	Zinc		TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

17. Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.							
COUCBL17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listings in Segment 16.							
COUCBL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listings in Segment 16.							
COUCBL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

22. Dillon Reservoir and all lakes and reservoirs tributary to the Blue River above Dillon Reservoir, except for specific listings in Segment 21.							
COUCBL22	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
	DUWS*	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024 *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS Applies only to Goose Pasture Tarn *Phosphorus(chronic) = 0.0074 mg/l for Dillon Reservoir in the top 15 meters of the water column for the months of July, August, September & October. Additional total phosphorus or Chla standards adopted for this segment do not apply to Dillon Reservoir. *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.0074*	Selenium	TVS	TVS
		Phosphorus	---	0.025*	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	varies*	varies*
Sulfide	---	0.002	Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

2. Mainstem of the Eagle River from the source to above the compressor house bridge at Belden (39.526879, -106.394950).								
COUCEA02	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838)) *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS	
					Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	
		3. All tributaries to the Eagle River, including wetlands, from the source to above the compressor house bridge at Belden (39.526879, -106.394950), except for the specific listings in Segments 1 and 4.						
COUCEA03	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
Expiration Date of 12/31/20242024					Copper	TVS	TVS	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS	
					Iron(T)	---	1000	
					Lead	TVS	TVS	
					Lead(T)	50	---	
					Manganese	TVS	TVS/WS	
					Mercury(T)	---	0.01	
					Molybdenum(T)	---	150	
					Nickel	TVS	TVS	
					Nickel(T)	---	100	
					Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS/TVS(sc)	

3. All tributaries to the Eagle River, including wetlands, from the source to above the compressor house bridge at Belden (39.526879, -106.394950), except for the specific listings in Segments 1 and 4.

COUCEA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
	Reviewable						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

5b. Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691) to a point immediately above the confluence with Martin Creek.

COUCEA05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>					Copper	---	SSE*
					Copper	SSE*	---
*Designation: 9/30/00 Baseline does not apply *Cadmium(chronic) = (1.101672-[ln(hardness)*(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725) *Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865 *Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+2.1302 from 1/1 - 4/30 0.978*e^0.8537[ln(hardness)]+1.4189 from 5/1 - 12/31 *Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.9593 from 1/1 - 4/30 0.986*e^0.8537[ln(hardness)]+1.2481 from 5/1 - 12/31		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

5c. Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.						
COUCEA05C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---	
	Recreation E	acute chronic	Arsenic(T)	--- 0.02		
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	--- SSE*	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium	SSE* ---	
Other:		pH	6.5 - 9.0 ---	Cadmium(T)	5.0 ---	
Temporary Modification(s):		chlorophyll a (mg/m²)	--- ---	Chromium III	--- TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium III(T)	50 ---	
Expiration Date of 12/31/20242024					Chromium VI	TVS TVS
		Inorganic (mg/L)		Copper	--- SSE*	
		acute chronic	Copper	SSE* ---		
*Designation: 9/30/00 Baseline does not apply		Ammonia	TVS TVS	Iron	--- WS	
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Boron	--- 0.75	Iron(T)	--- 1000	
Cadmium(chronic) = (1.101672-[ln(hardness)(0.041838)])* e^(0.7998 [ln(hardness)]-3.1725)		Chloride	--- 250	Lead	TVS TVS	
*Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865		Chlorine	0.019 0.011	Lead(T)	50 ---	
*Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-0.4845		Cyanide	0.005 ---	Manganese	TVS TVS/WS	
*Uranium(acute) = See 33.5(3) for details.		Nitrate	10 ---	Mercury(T)	--- 0.01	
*Uranium(chronic) = See 33.5(3) for details.		Nitrite	0.05 ---	Molybdenum(T)	--- 150	
*Zinc(acute) = 0.978*e^0.8537[ln(hardness)]+1.4189		Phosphorus	--- ---	Nickel	TVS TVS	
*Zinc(chronic) = 0.986*e^0.8537[ln(hardness)]+1.2481		Sulfate	--- WS	Nickel(T)	--- 100	
		Sulfide	--- 0.002	Selenium	TVS TVS	
				Silver	TVS TVS(tr)	
				Uranium	varies* varies*	
				Zinc	--- SSE*	
				Zinc	SSE* ---	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

6. All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.

COUCEA06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/ 2024 2024					Chromium VI	TVS	TVS
*Cadmium(acute) = $e^{(0.9789 \ln(\text{hardness}) - 3.866) * (1.136672 - (\ln(\text{hardness}) * 0.041838))}$ *Cadmium(chronic) = $e^{(0.7977 \ln(\text{hardness}) - 3.909) * (1.101672 - (\ln(\text{hardness}) * 0.041838))}$ *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

8. Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.

COUCEA08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = MWAT= 14 from 6/1 - 6/30 MWAT=CS-I from 7/1 - 9/30 MWAT=12 from 10/1 - 10/15 MWAT=CS-I from 10/16 - 5/31		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

9a. Mainstem of the Eagle River from above Gore Creek to a point immediately below the confluence with Squaw Creek.							
COUCEA09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	varies*	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

9b. Mainstem of the Eagle River from a point immediately below the confluence with Squaw Creek to a point immediately below the confluence with Rube Creek.							
COUCEA09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

9c. Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.							
COUCEA09C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
10a. All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.							
COUCEA10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Eagle River Basin

10b. Abrams Creek, including all tributaries and wetlands, from the source to the eastern boundary of the United States Bureau of Land Management lands.							
COUCEA10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
12. Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks, except for those tributaries included in Segment 1.							
COUCEA12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

2. Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.						
COUCRF02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---	
	Recreation E	acute chronic		Arsenic(T)	--- 0.02	
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---	
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	--- 150	Chromium III(T)	50 ---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS	
Expiration Date of 12/31/20242024				Copper	TVS TVS	
		Inorganic (mg/L)		Iron	--- WS	
		acute chronic		Iron(T)	--- 1000	
		Ammonia	TVS TVS	Lead	TVS TVS	
		Boron	--- 0.75	Lead(T)	50 ---	
		Chloride	--- 250	Manganese	TVS TVS/WS	
		Chlorine	0.019 0.011	Mercury(T)	--- 0.01	
		Cyanide	0.005 ---	Molybdenum(T)	--- 150	
		Nitrate	10 ---	Nickel	TVS TVS	
		Nitrite	0.05 ---	Nickel(T)	--- 100	
		Phosphorus	--- 0.11	Selenium	TVS TVS	
		Sulfate	--- WS	Silver	TVS TVS(tr)	
		Sulfide	--- 0.002	Uranium	varies* varies*	
				Zinc	TVS TVS/TVS(sc)	

3a. Mainstem of the Roaring Fork River, from a point immediately below the confluence with Hunter Creek, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b.						
COUCRF03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Arsenic	340 ---	
	Recreation E	acute chronic		Arsenic(T)	--- 0.02	
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium	TVS(tr) TVS	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T)	5.0 ---	
Other:		pH	6.5 - 9.0 ---	Chromium III	--- TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	--- 150*	Chromium III(T)	50 ---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI	TVS TVS	
Expiration Date of 12/31/20242024				Copper	TVS TVS	
		Inorganic (mg/L)		Iron	--- WS	
		acute chronic		Iron(T)	--- 1000	
		Ammonia	TVS TVS	Lead	TVS TVS	
		Boron	--- 0.75	Lead(T)	50 ---	
		Chloride	--- 250	Manganese	TVS TVS/WS	
		Chlorine	0.019 0.011	Mercury(T)	--- 0.01	
		Cyanide	0.005 ---	Molybdenum(T)	--- 150	
		Nitrate	10 ---	Nickel	TVS TVS	
		Nitrite	0.05 ---	Nickel(T)	--- 100	
		Phosphorus	--- 0.11*	Selenium	TVS TVS	
		Sulfate	--- WS	Silver	TVS TVS(tr)	
		Sulfide	--- 0.002	Uranium	varies* varies*	
				Zinc	TVS TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

3c. Mainstem of the Roaring Fork River from a point immediately below the confluence with the Frypanpan River to the confluence with the Colorado River.							
COUCRF03C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details. *Temperature = See 33.6(4) for temperature standards.		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

4. Mainstem of Brush Creek from the source to the confluence with the Roaring Fork River.							
COUCRF04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

4. Mainstem of Brush Creek from the source to the confluence with the Roaring Fork River.							
COUCRF04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

6. Mainstem of the Fryingpan River from the confluence with the North Fork Fryingpan River to the confluence with the Roaring Fork River.								
COUCRF06	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT					
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation E	acute	chronic			Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS	
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)				Iron	---	WS
		acute	chronic			Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
				Zinc	TVS	TVS/TVS(sc)		

8. Mainstem of the Crystal River, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River, except for the specific listings in Segments 1, 9, 10a and 10b.

COUCRF08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
	Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

9. Mainstem of Coal Creek, including all tributaries and wetlands, from the source to the confluence with the Crystal River.							
COUCRF09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

10a. Mainstem of Thompson Creek, including all tributaries and wetlands, from the source to the confluence with the Crystal River, except for specific listings in Segment 10b.							
COUCRF10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Roaring Fork River Basin

10b. Mainstem of North Thompson Creek, including all tributaries and wetlands, from the source to the White River National Forest boundary. Mainstem of Middle Thompson Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with the South Branch of Middle Thompson Creek.

COUCRF10B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

12. All lakes and reservoirs tributary to the Roaring Fork River, except for the specific listings in Segment 11.

COUCRF12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies* ^B	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (ug/L)	---	8*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.025*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

4a. All tributaries to the North Platte River, including all wetlands, from the source to the Colorado/Wyoming border, except for those tributaries included in Segments 1, 4b, 5a, 5b, 6, 7a and 7b.

COUCNP04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

4b. Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River, except for specific listings in Segments 7a and 7b. Mainstem of the Canadian River from below 12E Road (40.720033, -106.088912) to the confluence with the North Platte River. All tributaries to the Canadian River, including wetlands, which enter the mainstem from the southwest from below 12E Road to the confluence with the North Platte River.

COUCNP04B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Platte River Basin

5a. Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.							
COUCNP05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.							
COUCNP05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

5b. Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.							
COUCNP05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>					Copper	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

2a. Mainstem of the Yampa River from the confluence of the Bear River and Phillips Creek to a point immediately above the confluence with Oak Creek.							
COUCYA02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)		Iron	---	WS	
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

2b. Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.							
COUCYA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
temperature(MWAT) = current conditions 7/1 - 9/30		Inorganic (mg/L)		Iron	---	WS	
temperature(MWAT) = current conditions 11/1 - 11/30		acute	chronic	Iron(T)	---	1000	
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		Chloride	---	250	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 33.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---	0.01
*Temperature = See 33.6(4) for temperature standards.		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

3. All tributaries to the Yampa River, including all wetlands, from the source to above the confluence with the Elk River, except for specific listings in Segments 1 and 4-7. Mainstem of the Bear River, including all tributaries and wetlands, from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River.

COUCYA03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

5. Mainstem of Chimney Creek and Phillips Creek, including all tributaries and wetlands, which are not on National Forest lands, from their sources to the confluence with the Yampa River.

COUCYA05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Water Supply		acute	chronic	Arsenic(T)	---	0.02
	Recreation P	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

6. Mainstem of Oak Creek, including all tributaries and wetlands, from the source to a point 0.25 mile below County Road 27 (40.279241, -106.965405).							
COUCYA06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
7. Mainstem of Oak Creek, including all tributaries and wetlands, from a point 0.25 mile below County Road 27 (40.279241, -106.965405) to the confluence with the Yampa River.							
COUCYA07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

8. Mainstem of the Elk River, including all tributaries and wetlands, from the source to the confluence with the Yampa River, except for those tributaries included in Segments 1 and 20a. Mainstem of the West Fork Elk River from the source to the confluence with the Yampa River.						
COUCYA08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E		acute	chronic	Arsenic(T)	---
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/20242024					Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 33.5(4).		Inorganic (mg/L)			Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).			acute	chronic	Iron(T)	---
*Uranium(acute) = See 33.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS
*Uranium(chronic) = See 33.5(3) for details.		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
						TVS/TVS(sc)
11. Fish Creek, including all tributaries and wetlands, from the source to County Road 27 (40.355559, -107.105131), except for specific listings in Segment 20a.						
COUCYA11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Water Supply		acute	chronic	Arsenic(T)	---
	Recreation N	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	630	Chromium VI	TVS
Expiration Date of 12/31/20242024					Copper	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---
*Uranium(chronic) = See 33.5(3) for details.			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Manganese(T)	---
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS
						TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

13a. Mainstem of Trout Creek, including all tributaries and wetlands, from the source to the headgate of Spruce Hill Ditch (40.317190, -107.005110), except for specific listings in Segments 1 and 20a. Mainstem of Middle Creek, including all tributaries and wetlands, from the source to County Road 27 (40.339183, -107.025533), except for specific listings in Segment 20a.

COUCYA13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

13c. Mainstem of Trout Creek, including all tributaries and wetlands, from the headgate of Spruce Hill Ditch (40.317190, -107.005110) to the confluence with Fish Creek, except for specific listings in Segment 13b.

COUCYA13C	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E	acute		chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 *Uranium(acute) = See 33.5(3) for details. *Uranium(chronic) = See 33.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS	
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
					Copper	TVS	TVS	
		Inorganic (mg/L)			Iron	---	WS	
				acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Yampa River Basin

13f. Mainstem of Trout Creek, including all tributaries and wetlands, from a point immediately below the confluence with Fish Creek to the confluence with the Yampa River.							
COUCYA13F	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*Uranium(acute) = See 33.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 33.5(3) for details.		acute	chronic		Iron(T)	---	1000
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
See 33.6(4) for temperature standards.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

EXHIBIT 3
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

**REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN RIVER
AND DOLORES RIVER BASINS**

5 CCR 1002-34

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

34.6 TABLES

(2) Abbreviations:

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water + Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is:
As(ch)=current condition, expiring on 12/31/~~2024~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2024~~2024.
 - (A) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (B) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (C) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

34.50 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modification should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

A. Temporary Modifications for Standards Other than Arsenic

The commission extended the following temporary modifications:

La Plata Segment 7a (COSPSJ07a): The commission extended the temporary modifications for Ammonia (ac/ch) = current condition on La Plata Segment 7a until 06/30/2021. Vista Verde continues to make progress on resolving the uncertainty regarding the degree to which the ammonia loading from Vista Verde's effluent discharge is irreversible, and is working with the division to complete an alternatives analysis to resolve this uncertainty and determine how much water quality improvement is feasible. Vista Verde will participate in the small ammonia lagoons discharger specific variance (DSV) rulemaking hearing, which is anticipated to take place by December of 2020.

La Plata Segment 9 (COSPSJ09): The commission extended the temporary modifications for Ammonia (ac/ch) = current condition on La Plata Segment 9 until 06/30/2021. Lee Mobile Home Park continues to make progress on resolving the uncertainty regarding the degree to which the ammonia loading from Lee Mobile Home Park's effluent discharge is irreversible, and is working with the division to complete an alternatives analysis to resolve this uncertainty and determine how much water quality improvement is feasible. Vista Verde will participate in the small ammonia lagoons discharger specific variance (DSV) rulemaking hearing, which is anticipated to take place by December of 2020.

B. Temporary Modifications for Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 34.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division's Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division's Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the "current condition" temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division's Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-34

**REGULATION NO. 34
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
SAN JUAN RIVER AND DOLORES RIVER BASINS**

**APPENDIX 34-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2019~~06/30/2020

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

2. Mainstem of the Navajo River from the Colorado/New Mexico border to the confluence with the San Juan River.						
COSJSJ02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4. All tributaries to the San Juan River, Rio Blanco, and Navajo River including all wetlands which are within the Weminuche Wilderness area and South San Juan Wilderness Area.						
COSJSJ04	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

5. The East and West Forks of the San Juan River, including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence of the mainstem of the San Juan River. All tributaries to the San Juan River from a point below the confluence with the West Fork to a point below the confluence with Fourmile Creek.

COSJSJ05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
Sulfide	---	0.002	Selenium	TVS	TVS		
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Zinc	TVS	TVS(sc)		

6a. Mainstem of the San Juan River from a point immediately below the confluence with the West Fork to Highway 160 in Pagosa Springs.

COSJSJ06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

9a. Mainstem of the Rio Blanco, including all tributaries and wetlands, from a point immediately below the confluence with Leche Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 10.

COSJSJ09A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-II		CS-II	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02
Qualifiers:		D.O. (spawning)		---	---		---
Other:		pH		6.5 - 9.0	---		---
Temporary Modification(s):		chlorophyll a (mg/m ²)		---	150		---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		---	126		---
Expiration Date of 12/31/2024					Chromium III(T)		50
					Chromium III(T)		---
					Chromium VI		TVS
					Copper		TVS
					Iron		TVS
					Iron(T)		---
					Iron(T)		1000
					Lead		TVS
					Lead(T)		TVS
					Lead(T)		50
					Lead(T)		---
					Manganese		TVS
					Manganese		TVS/WS
					Mercury		---
					Mercury		0.01(t)
					Molybdenum(T)		---
					Molybdenum(T)		150
					Nickel		TVS
					Nickel		TVS
					Nickel(T)		---
					Nickel(T)		100
					Selenium		TVS
					Selenium		TVS
					Silver		TVS
					Silver		TVS(tr)
					Uranium		---
					Uranium		---
					Zinc		TVS
					Zinc		TVS(sc)

11a. All tributaries to the San Juan River, including wetlands, from a point immediately below the confluence with Fourmile Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 6a, 6b, 9a, 9b and 11c.

COSJSJ11A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	WS-II		WS-II	---		---
	Recreation E	5/1 - 10/31			acute		chronic
	Recreation N	11/1 - 4/30			340		---
	Water Supply	---		5.0	---		0.02
Qualifiers:		pH		6.5 - 9.0	---		---
Other:		chlorophyll a (mg/m ²)		---	150		---
Temporary Modification(s):		E. Coli (per 100 mL)		5/1 - 10/31	---		126
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		11/1 - 4/30	---		630
Expiration Date of 12/31/2024					Chromium III		---
					Chromium III(T)		TVS
					Chromium III(T)		50
					Chromium III(T)		---
					Chromium VI		TVS
					Chromium VI		TVS
					Copper		TVS
					Copper		TVS
					Iron		---
					Iron		WS
					Iron(T)		---
					Iron(T)		1000
					Lead		TVS
					Lead		TVS
					Lead(T)		50
					Lead(T)		---
					Manganese		TVS
					Manganese		TVS/WS
					Mercury		---
					Mercury		0.01(t)
					Molybdenum(T)		---
					Molybdenum(T)		150
					Nickel		TVS
					Nickel		TVS
					Nickel(T)		---
					Nickel(T)		100
					Selenium		TVS
					Selenium		TVS
					Silver		TVS
					Silver		TVS(tr)
					Uranium		---
					Uranium		---
					Zinc		TVS
					Zinc		TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Juan River Basin

11c. McCabe Creek from the source to the confluence with the San Juan River.									
COSJSJ11C	Classifications	Physical and Biological				Metals (ug/L)			
Designation	Agriculture			DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---	
	Recreation E	Temperature °C	4/1 - 10/31	25.1*	21.6* ^C	Arsenic	340	---	
	Water Supply					Arsenic(T)	---	0.02	
Qualifiers:				acute	chronic	Beryllium	---	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2021</u> <u>2024</u> *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.		D.O. (mg/L)			---	5.0	Cadmium	TVS	TVS
		pH			6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m²)			---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)			---	126	Chromium III(T)	50	---
		Inorganic (mg/L)					Chromium VI	TVS	TVS
				acute	chronic	Copper	TVS	TVS	
		Ammonia			TVS	TVS	Iron	---	WS
		Boron			---	0.75	Iron(T)	---	1000
		Chloride			---	250	Lead	TVS	TVS
		Chlorine			0.019	0.011	Lead(T)	50	---
		Cyanide			0.005	---	Manganese	TVS	TVS/WS
		Nitrate			10	---	Mercury	---	0.01(t)
		Nitrite			0.05	---	Molybdenum(T)	---	150
		Phosphorus			---	0.11	Nickel	TVS	TVS
		Sulfate			---	WS	Nickel(T)	---	100
Sulfide			---	0.002	Selenium	TVS	TVS		
						Silver	TVS	TVS	
						Uranium	---	---	
						Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

1. All tributaries to the Piedra River, including all wetlands, which are within the Weminuche Wilderness Area.							
COSJPI01	Classifications		Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic	
OW	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply		D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

2a. East Fork Piedra River and Middle Fork Piedra River, including all tributaries and wetlands, from the boundary of the Weminuche Wilderness Area to the confluence with the mainstem of the Piedra River, except for the specific listing in Segment 3.								
COSJPI02A	Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	4/1 - 10/31	acute	chronic	Arsenic	340	---	
	Recreation N	11/1 - 3/31	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	4/1 - 10/31	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024		E. Coli (per 100 mL)	11/1 - 3/31	---	630	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	0.11	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS(tr)	
					Uranium	---	---	
					Zinc	TVS	TVS(sc)	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

4b. Mainstem of the Piedra River from the Southern Ute Indian Reservation boundary to a point above the confluence with Stollsteimer Creek.								
COSJPI04B	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 10/31	28.8*	22.8* °C	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)		---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
				Inorganic (mg/L)		Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		0.05	---	Nickel(T)	---	100
		Phosphorus		---	---	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS(tr)
Sulfide		---	0.002	Uranium	---	---		
				Zinc	TVS	TVS		
4c. Mainstem of the Piedra River from a point above the confluence with Stollsteimer Creek to Navajo Reservoir.								
COSJPI04C	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 10/31	28.8*	22.8* °C	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Southern Ute Indian Reservation *Temperature(4/1 - 10/31) = See Section 34.6(6) for assessment locations.		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)		---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
				Inorganic (mg/L)		Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		0.05	---	Nickel(T)	---	100
		Phosphorus		---	---	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS(tr)
Sulfide		---	0.002	Uranium	---	---		
				Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

5a. All tributaries to the Piedra River, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with the First Fork of the Piedra River. Devil Creek, including all tributaries, from the source to a point below the confluence with Dunagan Canyon.

COSJPI05A	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1		Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E	5/1 - 10/31	acute		chronic	Arsenic	340	---	
	Recreation N	11/1 - 4/30	D.O. (mg/L)		---	6.0	Arsenic(T)	---	0.02
	Water Supply		D.O. (spawning)		---	7.0	Beryllium	---	---
Qualifiers:			pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
Other:			chlorophyll a (mg/m²)		---	150	Cadmium(T)	5.0	---
Temporary Modification(s):			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III(T)	50	---
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>			Inorganic (mg/L)			Chromium VI	TVS	TVS	
			acute		chronic	Copper	TVS	TVS	
			Ammonia	TVS	TVS	Iron	---	WS	
			Boron	---	0.75	Iron(T)	---	1000	
			Chloride	---	250	Lead	TVS	TVS	
			Chlorine	0.019	0.011	Lead(T)	50	---	
			Cyanide	0.005	---	Manganese	TVS	TVS/WS	
			Nitrate	10	---	Mercury	---	0.01(t)	
			Nitrite	0.05	---	Molybdenum(T)	---	150	
			Phosphorus	---	0.11	Nickel	TVS	TVS	
			Sulfate	---	WS	Nickel(T)	---	100	
			Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS(tr)	
						Uranium	---	---	
						Zinc	TVS	TVS(sc)	

5b. All tributaries to the Piedra River, from a point immediately below the confluence with the First Fork of the Piedra River to a point immediately below the confluence with Devil Creek, except for the specific listings in Segment 5a.

COSJPI05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Piedra River Basin

7. Hatcher Reservoir, Stevens Reservoir, Sullenbuger Reservoir, Village Lake and Forest Lake.									
COSJPI07	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute		chronic		
Reviewable	Aq Life Warm 1		Temperature °C	WL	WL	Aluminum	---	---	
	Recreation E	2/2 - 11/30		acute	chronic	Arsenic	340	---	
	Recreation N	12/1 - 3/1	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02	
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---	
	DUWS*		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS	
Qualifiers:			E. Coli (per 100 mL)	3/2 - 11/30	---	126	Cadmium(T)	5.0	---
Other:			E. Coli (per 100 mL)	12/1 - 3/1	---	630	Chromium III	---	TVS
Temporary Modification(s):						Chromium III(T)	50	---	
Arsenic(chronic) = hybrid						Chromium VI	TVS	TVS	
Expiration Date of 12/31/ 2024 2024						Copper	TVS	TVS	
*Classification: DUWS applies to Hatcher and Stevens Reservoirs only.						Iron	---	WS	
						Iron(T)	---	1000	
						Lead	TVS	TVS	
						Lead(T)	50	---	
						Manganese	TVS	TVS/WS	
						Mercury	---	0.01(t)	
						Molybdenum(T)	---	150	
						Nickel	TVS	TVS	
						Nickel(T)	---	100	
						Selenium	TVS	TVS	
						Silver	TVS	TVS	
						Uranium	---	---	
						Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

1. All tributaries to the Los Pinos River, including all wetlands, which are within the Weminuche Wilderness Area.						
COSJPN01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
2a. Mainstem of the Los Pinos River from the boundary of the Weminuche Wilderness Area to the boundary of the Southern Ute Indian Reservation except for the specific listing in Segment 3.						
COSJPN02A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

2b. Mainstem of the Los Pinos River from the boundary of the Southern Ute Indian Reservation to the Pine Ditch Diversion (37.1906, -107.58778).						
COSJPN02B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4. All tributaries to the Los Pinos River and Vallecito Reservoir, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with Bear Creek , except for the specific listing in Segment 5; mainstems of Beaver Creek, Ute Creek, and Spring Creek from their sources to the boundary of the Southern Ute Indian Reservation.						
COSJPN04	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

5. Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.						
COSJPN05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
			Uranium	---		
			Zinc	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Los Pinos River Basin

6. All tributaries to the Los Pinos River, including all wetlands, from a point immediately below the confluence with Bear Creek to the boundary of the Southern Ute Indian Reservation except for specific listings in Segment 4.

COSJPN06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Cold 2 Recreation E Water Supply	DM		MWAT	acute	chronic	
Reviewable		Temperature °C	CS-II	CS-II	Aluminum	---	---
		acute	chronic		Arsenic	340	---
		D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:	Fish Ingestion	D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Beryllium(T)	---	100
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s):	Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>	Inorganic (mg/L)			Chromium III	TVS	TVS
		acute		chronic	Chromium III(T)	---	100
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.11	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

4b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge (37.458620, -107.799194).						
COSJAF04B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum(T)	TVS
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	SSE*
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/2024		Inorganic (mg/L)		Chromium III	---	TVS
*Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866) \cdot (1.136672 - \ln(\text{hardness}) \cdot 0.041838))}$ *Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909) \cdot (1.101672 - \ln(\text{hardness}) \cdot 0.041838))}$		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS
5a. Mainstem of the Animas River, including wetlands, from Bakers Bridge (37.458620, -107.799194) to the Southern Ute Indian Reservation boundary.						
COSJAF05A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	---	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

5b. Mainstem of the Animas River, including wetlands, from the Southern Ute Indian Reservation boundary (37.214880 -107.855102) to Basin Creek.						
COSJAF05B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	TVS
*Southern Ute Indian Reservation		Inorganic (mg/L)		50	Chromium VI	---
		acute	chronic	TVS	Copper	TVS
		Ammonia	TVS	TVS	Iron	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	WS
		Chlorine	0.019	0.011	Lead(T)	1000
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	TVS
		Nitrite	0.05	---	Molybdenum(T)	TVS/WS
		Phosphorus	---	---	Nickel	---
		Sulfate	---	WS	Nickel(T)	0.01(t)
		Sulfide	---	0.002	Selenium	150
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---
						TVS
						TVS
						TVS
						TVS
						TVS
5c. Mainstem of the Animas River, including wetlands, from Basin Creek to above the confluence with the Florida River.						
COSJAF05C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	TVS
*Southern Ute Indian Reservation		Inorganic (mg/L)		50	Chromium VI	---
		acute	chronic	TVS	Copper	TVS
		Ammonia	TVS	TVS	Iron	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	WS
		Chlorine	0.019	0.011	Lead(T)	1000
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	TVS/WS
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	0.01(t)
		Sulfate	---	WS	Nickel(T)	150
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---
						TVS
						TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

5d. Mainstem of the Animas River, including wetlands from above the confluence with the Florida River to New Mexico state line.							
COSJAF05D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	TVS	TVS
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
*Southern Ute Indian Reservation		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

6. Mainstem of the Animas River from the source to the outlet of Denver Lake. Mainstem, including all tributaries and wetlands of Cinnamon Creek, Grouse Gulch, Picayne Gulch, and Minnie Gulch. All tributaries and wetlands to the Animas River from immediately above Maggie Gulch to a point immediately above Elk Creek except for those listed under segments 3c, 7, 8 and 9. South Mineral Creek and all other tributaries and wetlands to Mineral Creek, except for those specifically listed in segments 8 and 9.						
COSJAF06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium	SSE*
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/ 2024 <u>2024</u>		Inorganic (mg/L)			Chromium III	---
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))					Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

10a. Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.						
COSJAF10A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS/TVS(sc)

10b. Mainstem of the Florida River from the outlet of Lemon Reservoir to the Florida Farmers Canal Headgate (37.295157, -107.791794).						
COSJAF10B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

11a. Mainstem of the Florida River from the Florida Farmers Canal Headgate (37.295157, -107.791794) to the Southern Ute Indian Reservation boundary (37.214724, -107.746734).						
COSJAF11A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
11b. Mainstem of the Florida River from the Southern Ute Indian Reservation boundary (37.214724, -107.746734) to the confluence with the Animas River.						
COSJAF11B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

11c. All tributaries to the Florida River from the Southern Ute Indian Reservation boundary to the confluence with the Animas River.						
COSJAF11C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/ 2021 2024		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
*Southern Ute Indian Reservation		Ammonia	TVS	TVS	Iron	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5).		Boron	---	0.75	Iron(T)	---
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

12a. All tributaries to the Animas River from a point immediately above the confluence with Elk Creek to a point immediately below the confluence with Hermosa Creek except for specific listings in Segments 12b, 12c and 15. All tributaries to the Florida River from the source to below the confluence with Mud Spring Creek, except the specific listing in Segment 1.						
COSJAF12A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2021 2024					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5).		Ammonia	TVS	TVS	Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

13a. Mainstem of Junction Creek including all tributaries, from the U.S. Forest Boundary to the confluence with Animas River.						
COSJAF13A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

13b. All tributaries to the Animas River from a point immediately below the confluence with Hermosa Creek to the Southern Ute Indian Reservation boundary except for the specific listings in Segments 12d, 13a, 13c, 14a and 14b; all tributaries to the Florida River, from a point immediately below the confluence with Mud Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 13d.						
COSJAF13B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

13e. All tributaries to the Animas River from the Southern Ute Indian Reservation boundary to below the confluence with Basin Creek.						
COSJAF13E	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium VI	TVS
*Southern Ute Indian Reservation		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

13f. All tributaries to the Animas River from below the confluence with Basin Creek to the Colorado/New Mexico border, except for Segments 11b and 11c.						
COSJAF13F	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium VI	TVS
*Southern Ute Indian Reservation		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

14a. Mainstem of Lightner Creek, including all tributaries, from the source to below the confluence with Deep Creek.						
COSJAF14A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

14b. Mainstem of Lightner Creek from below the confluence with Deep Creek to the confluence with the Animas River.						
COSJAF14B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Animas and Florida River Basins

22. Electra Lake. Lake Nighthorse.						
COSJAF22	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CLL	CLL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2021 2024					Chromium III(T)	50
*chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.025*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

1. Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.									
COSJLP01	Classifications			Physical and Biological			Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1			Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E			acute	chronic	Arsenic	340	---	
	Water Supply			D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:				D.O. (spawning)	---	7.0	Beryllium	---	---
Other:				pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):				chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid				E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Expiration Date of 12/31/20242024							Chromium III(T)	50	---
				Inorganic (mg/L)			Chromium VI	TVS	TVS
				acute	chronic	Copper	TVS	TVS	
				Ammonia	TVS	TVS	Iron	---	WS
				Boron	---	0.75	Iron(T)	---	1000
				Chloride	---	250	Lead	TVS	TVS
				Chlorine	0.019	0.011	Lead(T)	50	---
				Cyanide	0.005	---	Manganese	TVS	TVS/WS
				Nitrate	10	---	Mercury	---	0.01(t)
				Nitrite	0.05	---	Molybdenum(T)	---	150
				Phosphorus	---	0.11	Nickel	TVS	TVS
				Sulfate	---	WS	Nickel(T)	---	100
				Sulfide	---	0.002	Selenium	TVS	TVS
							Silver	TVS	TVS(tr)
							Uranium	---	---
							Zinc	TVS	TVS(sc)
2b. Mainstem of the La Plata River from the boundary of the Southern Ute Indian Reservation to above the confluence with Cherry Creek.									
COSJLP02B	Classifications			Physical and Biological			Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1			Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E 5/1 - 10/31			acute	chronic	Arsenic	340	---	
	Recreation P 11/1 - 4/30			D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
				pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:				chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS
Other:				E. Coli (per 100 mL) 5/1 - 10/31	---	126	Cadmium(T)	5.0	---
Temporary Modification(s):				E. Coli (per 100 mL) 11/1 - 4/30	---	205	Chromium III	---	TVS
Arsenic(chronic) = hybrid							Chromium III(T)	50	---
Expiration Date of 12/31/20242024				Inorganic (mg/L)			Chromium VI	TVS	TVS
				acute	chronic	Copper	TVS	TVS	
*Southern Ute Indian Reservation				Ammonia	TVS	TVS	Iron	---	WS
				Boron	---	0.75	Iron(T)	---	1000
				Chloride	---	250	Lead	TVS	TVS
				Chlorine	0.019	0.011	Lead(T)	50	---
				Cyanide	0.005	---	Manganese	TVS	TVS/WS
				Nitrate	10	---	Mercury	---	0.01(t)
				Nitrite	0.05	---	Molybdenum(T)	---	150
				Phosphorus	---	0.17	Nickel	TVS	TVS
				Sulfate	---	WS	Nickel(T)	---	100
				Sulfide	---	0.002	Selenium	TVS	TVS
							Silver	TVS	TVS
							Uranium	---	---
							Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

2c. Mainstem of the La Plata River from the confluence with Cherry Creek to above the confluence with Long Hollow.						
COSJLP02C	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024		acute	chronic	Chromium III(T)	50	---
*Southern Ute Indian Reservation		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
2d. Mainstem of the La Plata River from Long Hollow to the Colorado/New Mexico border.						
COSJLP02D	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024		acute	chronic	Chromium III(T)	50	---
*Southern Ute Indian Reservation		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

3d. East Cherry Creek from the source to the confluence with Cherry Creek.						
COSJLP03D	Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1		Temperature °C	CS-I CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply		D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:			D.O. (spawning)	---	Beryllium	---
Other:			pH	6.5 - 9.0	Cadmium	TVS(tr) TVS
Temporary Modification(s):			chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	TVS
			Inorganic (mg/L)		Chromium VI	50
			acute	chronic	Copper	---
			Ammonia	TVS	Iron	TVS
			Boron	---	Iron(T)	WS
			Chloride	0.75	Lead	---
			Chlorine	250	Lead(T)	TVS
			Cyanide	0.019	Lead(T)	50
			Nitrate	0.011	Manganese	---
			Nitrite	---	Mercury	TVS
			Phosphorus	0.005	Molybdenum(T)	TVS/WS
			Sulfate	10	Nickel	---
			Sulfide	---	Nickel(T)	0.01(t)
				WS	Selenium	---
				0.002	Silver	150
					Uranium	TVS
					Zinc	TVS(tr)

						TVS(sc)

4a. Mainstem of the Mancos River, including all wetlands and tributaries, from the source of the East, West and Middle Forks to the San Juan National Forest Boundary.						
COSJLP04A	Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1		Temperature °C	CS-I CS-I	Aluminum	---
	Recreation E	5/1 - 10/31	acute	chronic	Arsenic	---
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:			D.O. (spawning)	---	Beryllium	---
Other:			pH	6.5 - 9.0	Cadmium	TVS(tr) TVS
Temporary Modification(s):			chlorophyll a (mg/m ²)	---	Cadmium(T)	---
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)	150	Chromium III	---
Expiration Date of 12/31/2024			E. Coli (per 100 mL)	5/1 - 10/31	Chromium III(T)	TVS
				11/1 - 4/30	Chromium VI	50
			Inorganic (mg/L)		Copper	---
			acute	chronic	Iron	TVS
			Ammonia	TVS	Iron(T)	WS
			Boron	---	Lead	---
			Chloride	0.75	Lead(T)	TVS
			Chlorine	250	Lead(T)	50
			Cyanide	0.019	Manganese	---
			Nitrate	0.011	Mercury	TVS
			Nitrite	---	Molybdenum(T)	TVS/WS
			Phosphorus	0.005	Nickel	---
			Sulfate	10	Nickel(T)	0.01(t)
			Sulfide	---	Selenium	---
				WS	Silver	150
				0.002	Uranium	TVS
					Zinc	TVS(tr)

						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

5. Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation and mainstem of Weber Canyon from source to boundary of the Ute Mountain Ute Indian Reservation.									
COSJLP05	Classifications		Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1		Temperature °C	WS-II	WS-II	Aluminum	---	---	
	Recreation E	5/1 - 10/31	acute	chronic		Arsenic	340	---	
	Recreation N	11/1 - 4/30	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02	
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---	
Qualifiers:			chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS	
Other:			E. Coli (per 100 mL)	5/1 - 10/31	---	126	Cadmium(T)	5.0	---
Temporary Modification(s):			E. Coli (per 100 mL)	11/1 - 4/30	---	630	Chromium III	---	TVS
Arsenic(chronic) = hybrid						Chromium III(T)	50	---	
Expiration Date of 12/31/20242024			Inorganic (mg/L)			Chromium VI	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5).			acute	chronic		Copper	TVS	TVS	
		Ammonia	TVS	TVS		Iron	---	WS	
		Boron	---	0.75		Iron(T)	---	1000	
		Chloride	---	250		Lead	TVS	TVS	
		Chlorine	0.019	0.011		Lead(T)	50	---	
		Cyanide	0.005	---		Manganese	TVS	TVS/WS	
		Nitrate	10	---		Mercury	---	0.01(t)	
		Nitrite	0.05	---		Molybdenum(T)	---	150	
		Phosphorus	---	0.17*		Nickel	TVS	TVS	
		Sulfate	---	WS		Nickel(T)	---	100	
		Sulfide	---	0.002		Selenium	TVS	TVS	
						Silver	TVS	TVS	
						Uranium	---	---	
						Zinc	TVS	TVS	

7a. Mainstem of McElmo Creek from the source to the confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.								
COSJLP07A	Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1		Temperature °C	WS-II	WS-II	Aluminum	---	---
Recreation E		acute	chronic		Arsenic	340	---	
Qualifiers:			D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:			pH	6.5 - 9.0	---	Beryllium	---	---
Temporary Modification(s):			chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
Ammonia(ac/ch) = current conditions			E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
Expiration Date of 6/30/20202021			Inorganic (mg/L)			Chromium III(T)	---	100
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5). *TempMod: Ammonia = Adopted 08/14/2006			acute	chronic		Chromium VI	TVS	TVS
Ammonia	TVS	TVS		Copper	TVS	TVS		
Boron	---	0.75		Iron(T)	---	2200		
Chloride	---	---		Lead	TVS	TVS		
Chlorine	0.019	0.011		Manganese	TVS	TVS		
Cyanide	0.005	---		Mercury	---	0.01(t)		
Nitrate	100	---		Molybdenum(T)	---	150		
Nitrite	0.05	---		Nickel	TVS	TVS		
Phosphorus	---	0.17*		Selenium	TVS	TVS		
Sulfate	---	---		Silver	TVS	TVS		
Sulfide	---	0.002		Uranium	---	---		
				Zinc	TVS	TVS		

7a. Mainstem of McElmo Creek from the source to the confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.

COSJLP07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	7.6
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
Ammonia(ac/ch) = current conditions		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
Expiration Date of 6/30/ <u>20202021</u>		Inorganic (mg/L)			Chromium III(T)	---	100
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5). <u>*TempMod: Ammonia = Adopted 08/14/2006</u>		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	2200
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

La Plata River, Mancos River, McElmo Creek and San Juan River in Montezuma County and Dolores County

9. Unnamed tributary to Ritter Draw (confluence at 37.4059, -108.5325).							
COSJLP09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other: Temporary Modification(s): Ammonia(ac/ch) = current conditions Expiration Date of 6/30/ 2020 2021 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 34.5(5). *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5). *TempMod: Ammonia = Adopted 08/14/2006		pH	6.5 - 9.0	---	Beryllium	---	---
		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
		Inorganic (mg/L)			Chromium III(T)	---	100
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.17*	Selenium	TVS	TVS
		Sulfate	---	250	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS
12. All lakes and reservoirs tributary to the La Plata River from the source to the Hay Gulch diversion south of Hesperus.							
COSJLP12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024 *chlorophyll a (ug/L)(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS	
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.025*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
			Silver	TVS	TVS(tr)		
			Uranium	---	---		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

1. All tributaries to the Dolores River and West Dolores River, including all wetlands, tributaries, which are within the Lizard Head Wilderness area.

COSJDO01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

2. Mainstem of the Dolores River from the source to a point immediately above the confluence with Horse Creek.

COSJDO02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

3. Mainstem of the Dolores River from a point immediately above the confluence with Horse Creek to a point immediately above the confluence with Bear Creek.						
COSJDO03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4a. Mainstem of the Dolores River from a point immediately above the confluence with Bear Creek to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line).						
COSJDO04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

4b. McPhee Reservoir and Summit Reservoir.									
COSJDO04B	Classifications	Physical and Biological				Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 4/30	CLL	CLL	Aluminum	---	---	
	Recreation E	Temperature °C	4/1 - 12/31	CLL*	varies* B	Arsenic	340	---	
	Water Supply					Arsenic(T)	---	0.02	
	DUWS*					Beryllium	---	---	
Qualifiers:		D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)	TVS	
Other:		D.O. (spawning)	---	7.0		Cadmium(T)	5.0	---	
Temporary Modification(s):		pH	6.5 - 9.0	---		Chromium III	---	TVS	
Arsenic(chronic) = hybrid		chlorophyll a (ug/L)	---	8*		Chromium III(T)	50	---	
Expiration Date of 12/31/20242024		E. Coli (per 100 mL)	---	126		Chromium VI	TVS	TVS	
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 34.5(5), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to McPhee Reservoir only. *Phosphorus(chronic) = applies only above the facilities listed at 34.5(5), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = Summit Reservoir MWAT = 21.0 McPhee Reservoir MWAT = 21.1						Copper	TVS	TVS	
		Inorganic (mg/L)					Iron	---	WS
			acute	chronic		Iron(T)	---	1000	
		Ammonia	TVS	TVS		Lead	TVS	TVS	
		Boron	---	0.75		Lead(T)	50	---	
		Chloride	---	250		Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011		Mercury	---	0.01(t)	
		Cyanide	0.005	---		Molybdenum(T)	---	150	
		Nitrate	10	---		Nickel	TVS	TVS	
		Nitrite	0.05	---		Nickel(T)	---	100	
		Phosphorus	---	0.025*		Selenium	TVS	TVS	
		Sulfate	---	WS		Silver	TVS	TVS(tr)	
		Sulfide	---	0.002		Uranium	---	---	
						Zinc	TVS	TVS	
		5a. All tributaries to the Dolores River and West Dolores River, including all wetlands, from the source to a point immediately below the confluence with the West Dolores River except for specific listings in Segments 1 and 5b through 10.							
COSJDO05A	Classifications	Physical and Biological				Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---		
	Recreation E		acute	chronic	Arsenic	340	---		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02		
		D.O. (spawning)	---	7.0	Beryllium	---	---		
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS		
Other:		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---		
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS		
Arsenic(chronic) = hybrid					Chromium III(T)	50	---		
Expiration Date of 12/31/20242024		Inorganic (mg/L)				Chromium VI	TVS	TVS	
*Zinc(chronic) = Chronic zinc sculpin standard applies to Silver Creek and Fish Creek.			acute	chronic	Copper	TVS	TVS		
		Ammonia	TVS	TVS	Iron	---	WS		
		Boron	---	0.75	Iron(T)	---	1000		
		Chloride	---	250	Lead	TVS	TVS		
		Chlorine	0.019	0.011	Lead(T)	50	---		
		Cyanide	0.005	---	Manganese	TVS	TVS/WS		
		Nitrate	10	---	Mercury	---	0.01(t)		
		Nitrite	0.05	---	Molybdenum(T)	---	150		
		Phosphorus	---	0.11	Nickel	TVS	TVS		
		Sulfate	---	WS	Nickel(T)	---	100		
		Sulfide	---	0.002	Selenium	TVS	TVS		
					Silver	TVS	TVS(tr)		
					Uranium	---	---		
					Zinc	TVS	TVS(sc)*		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr=trout
 sc=sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

5b. Mainstem of Rio Lado from the source to the confluence with the Dolores River. Mainstem of Spring Creek from the source to the confluence with Stoner Creek. Mainstem of Little Taylor Creek from the source to the confluence with Taylor Creek.							
COSJDO05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS(sc)

8. Mainstem of Horse Creek from the source to the confluence with the Dolores River.							
COSJDO08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Dolores River Basin

11c. All tributaries to McPhee Reservoir, except for the specific listings in Segments 4a and 11b. All tributaries to the Dolores River from the outlet of McPhee Reservoir to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line). Beaver Creek and Plateau Creek, including all tributaries, from the source to the confluence with the Dolores River.

COSJDO11C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr=trout
sc=sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 34.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.

TABLE 1
ANIMAS RIVER BASIN
AQUATIC LIFE INDICATOR GOAL: BROOK TROUT

Segment 3a
Acute Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Zn	720	780	1060	1200	760	410	280	340	380	440	510	590

Chronic Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Mn	TVS	TVS	2571	2179	TVS	TVS	TVS	TVS	TVS	TVS	TVS	TVS
Zn	720	780	1060	1200	760	410	280	340	380	440	510	590

Segment 4a

Acute Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Al(Trec)	3100	3550	2800	2020	1010	740	700	1360	1490	1610	2280	2570
Zn	460	520	620	570	430	250	170	240	290	340	380	420

Chronic Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
pH	5.9-9.0	5.7-9.0	6.2-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	5.9-9.0
Al(Trec)	3100	3550	2800	2020	1010	740	700	1360	1490	1610	2280	2570
Fe	3473	2961	3776	3404	2015	1220	1286	1830	1623	2258	2631	3511
Zn	460	520	620	570	430	250	170	240	290	340	380	420

Segment 9

Acute Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
Al(Trec)	4680	4950	4560	3800	1390	1350	1290	2040	2570	2680	3450	4050

Chronic Standards

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
pH	4.9-9.0	4.8-9.0	4.9-9.0	5.9-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.2-9.0	5.4-9.0
Al(Trec)	4680	4950	4560	3800	1390	1350	1290	2040	2570	2680	3450	4050
Cu	TVS	TVS	TVS	18	20	TVS	TVS	TVS	TVS	TVS	TVS	TVS
Fe	3420	3800	4370	3370	3150	2210	2275	2280	3020	3580	3620	3490
Zn	TVS	TVS	TVS	TVS	230	TVS	TVS	TVS	TVS	TVS	TVS	TVS

EXHIBIT 4
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS

5 CCR 1002-35

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

35.6 TABLES

(2) Abbreviations:

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water + Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/~~2024~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2024~~2024.
 - (a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (c) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

35.47 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modifications should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

A. Temporary Modifications for Standards Other than Arsenic

The commission took no action on the following temporary modification:

Upper Gunnison Segment 21: temporary modification of the chronic uranium standard (expires 12/31/2022). As requested by the commission at 35.45(N), Homestake Mining Company provided an update on its work to resolve the uncertainty in the chronic uranium standard. Homestake continues to make progress on resolving the uncertainty underlying the temporary modification and determining the lowest practical level of uranium that can be achieved. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

B. Temporary Modifications for Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 35.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division's Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division's Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado

waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the “current condition” temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division’s Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

WATER QUALITY CONTROL COMMISSION

5 CCR 1002-35

REGULATION NO. 35

CLASSIFICATIONS AND NUMERIC STANDARDS

FOR

GUNNISON AND LOWER DOLORES RIVER BASINS

APPENDIX 35-1

Stream Classifications and Water Quality Standards Tables

Effective ~~06/30/2020~~ 06/30/2019

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

1. All tributaries to the Gunnison River, including and wetlands, within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas.						
COGUUG01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.02	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
2. All tributaries and wetlands from Beaver Creek to Meyers Gulch, from the West Elk Wilderness boundary to their confluences with Blue Mesa Reservoir, Morrow Point Reservoir, or the Gunnison River, excluding Steuben Creek, Willow Creek, and Soap Creek and their tributaries.						
COGUUG02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.02	---	Mercury	---
		Phosphorus	---	0.11	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

4. Mainstem of the Taylor River, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, except for specific listings in Segment 1.						
COGUUG04	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/20242024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

5a. Mainstem of the East River, including all tributaries and wetlands, from its source to a point immediately above the confluence with the Slate River, except for specific listings in Segment 1.						
COGUUG05A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/20242024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nicel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

5b. Mainstem of the East River from a point immediately above the Slate River to the confluence with the Gunnison River.						
COGUUG05B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

6b. Cement Creek and all its tributaries and wetlands from the source to a point immediately above the confluence with Horse Basin Creek.						
COGUUG06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

8. Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.						
COGUUG08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I* ^C	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

9. All tributaries and wetlands to the Slate River except for specific listings in Segments 1, 10a, 10b, 11, 12 and 13.						
COGUUG09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

12. Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately above the Keystone Mine discharge (38.867117, -107.023627) to the confluence with the Slate River, with the exception of Wildcat Creek.							
COGUUG12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	---	SSE*
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Expiration Date of 12/31/20242024					Chromium III	---	TVS
Cadmium(ac/ch) = 3.5/2.79* 4/1 - 6/30		Inorganic (mg/L)			Chromium III(T)	50	---
Copper(ac/ch) = current condition* 4/1 - 6/30			acute	chronic	Chromium VI	TVS	TVS
Zinc(chronic) = 576* 4/1 - 6/30		Ammonia	TVS	TVS	Copper	TVS	TVS
Expiration Date of 12/31/2022		Boron	---	0.75	Iron	---	WS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Chloride	---	250	Iron(T)	---	1000
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		Chlorine	0.019	0.011	Lead	TVS	TVS
*TempMod: Cadmium(4/1 - 6/30) = Coal Creek		Cyanide	0.005	---	Lead(T)	50	---
*TempMod: Copper(4/1 - 6/30) = Coal Creek		Nitrate	10	---	Manganese	TVS	TVS/191
*TempMod: Zinc(4/1 - 6/30) = Coal Creek		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

13. Mainstem of Woods Creek from the source to the confluence with Washington Gulch.							
COGUUG13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid					Chromium III(T)	50	---
Expiration Date of 12/31/ <u>2021</u> <u>2024</u>		Inorganic (mg/L)			Chromium VI	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

14. Mainstem of the Gunnison River from its inception at the confluence of the East and Taylor rivers to the inlet of Blue Mesa Reservoir.						
COGUUG14	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

15b. South Beaver Creek, including all tributaries and wetlands, from the source to the Saguache/Gunnison County line.						
COGUUG15B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

18a. Mainstem of Tomichi Creek and its wetlands from the source to the confluence with Porphyry Creek.						
COGUUG18A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

18b. Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.						
COGUUG18B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	Aluminum	---
	Recreation U	Temperature °C	4/1 - 10/31	CS-II*	Arsenic	340
	Water Supply				Arsenic(T)	---
Qualifiers:		acute	chronic		Beryllium	---
Other:		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Temporary Modification(s):		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		pH	6.5 - 9.0	---	Chromium III	---
Expiration Date of 12/31/ 2024 2024		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic		Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

19. All tributaries to Tomichi Creek, including wetlands, which are within the boundaries of the Gunnison National Forest, except for specific listings in Segments 20 through 24. Mainstems of Barret, Razor, and Quartz Creeks from their sources to their confluences with Tomichi Creek. Hot Springs Creek from its source to the inlet of Hot Springs Reservoir.

COGUUG19	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation U	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III(T)	50	---
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

21. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.						
COGUUG21	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
Uranium(chronic) = current condition*		Inorganic (mg/L)			Chromium VI	TVS
Expiration Date of 12/31/2022			acute	chronic	Copper	TVS
*TempMod: Uranium = Mainstem of Marshall Creek		Ammonia	TVS	TVS	Iron	---
from the confluence with Indian Creek to the		Boron	---	0.75	Iron(T)	---
confluence with Tomichi Creek		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Uranium(T)	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

22. Mainstem of Gold Creek from Browns Gulch to the confluence with Quartz Creek.						
COGUUG22	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/20242024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
26. All tributaries, including wetlands, which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, or the segments of the Gunnison River that interconnect those reservoirs, except for specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32.						
COGUUG26	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation U	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/20242024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

26. All tributaries, including wetlands, which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, or the segments of the Gunnison River that interconnect those reservoirs, except for specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32.							
COGUUG26	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation U	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		Inorganic (mg/L)			Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

29a. Mainstem of the Lake Fork of the Gunnison including all tributaries and wetlands, from the source to a point immediately above the confluence with Eaton Creek. Cebolla Creek, including all tributaries and wetlands, from the source to the Hinsdale/Gunnison County line. Powderhorn Creek, including all tributaries and wetlands, from the source to the confluence with Cebolla Creek. This segment excludes the specific listings in Segments 1, 29b, 30, 31, and 32.							
COGUUG29A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	---	SSE*
Other:		chlorophyll a (mg/m²)	---	150*	Cadmium	SSE*	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid					Chromium III	---	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Chromium III(T)	50	---
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4). *Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		acute	chronic	Chromium VI	TVS	TVS	
	Ammonia	TVS	TVS	Copper	TVS	TVS	
	Boron	---	0.75	Iron	---	WS	
	Chloride	---	250	Iron(T)	---	1000	
	Chlorine	0.019	0.011	Lead	TVS	TVS	
	Cyanide	0.005	---	Lead(T)	50	---	
	Nitrate	10	---	Manganese	TVS	TVS/WS	
	Nitrite	0.05	---	Mercury	---	0.01(t)	
	Phosphorus	---	0.11*	Molybdenum(T)	---	150	
	Sulfate	---	WS	Nickel	TVS	TVS	
	Sulfide	---	0.002	Nickel(T)	---	100	
				Selenium	TVS	TVS	
				Silver	TVS	TVS(tr)	
				Uranium	---	---	
				Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

30. Mainstem of Henson Creek, including all tributaries and wetlands, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listings in Segments 31 and 32.								
COGUUG30	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other:		pH	6.5 - 9.0	---	Cadmium	---	SSE*	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---	
Expiration Date of 12/31/ <u>20242024</u>					Chromium III	---	TVS	
<div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div>					Chromium III(T)	50	---	
						Chromium VI	TVS	TVS
						Copper	TVS	TVS
						Iron	---	WS
						Iron(T)	---	1000
						Lead	TVS	TVS
						Lead(T)	50	---
						Manganese	TVS	TVS/WS
						Mercury	---	0.01(t)
						Molybdenum(T)	---	150
						Nickel	TVS	TVS
						Nickel(T)	---	100
						Selenium	TVS	TVS
						Silver	TVS	TVS(tr)
						Uranium	---	---
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Gunnison River Basin

38. Lake San Cristobal, Taylor Park Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, and Silver Jack Reservoir.								
COGUUG38	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture			DM	MWAT	acute chronic		
Reviewable	Aq Life Cold 1	Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---
	Recreation E	Temperature °C	4/1 - 12/31	varies*	varies*	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:				acute	chronic	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 35.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(4/1 - 12/31) = Lake San Cristobal, Taylor Park Reservoir, and Blue Mesa Reservoir MWAT=16.6 All others MWAT=CLL Lake San Cristobal, Taylor Park Reservoir, and Blue Mesa Reservoir DM=24.2 All others DM=CLL <td colspan="2">D.O. (mg/L)</td> <td>---</td> <td>6.0</td> <td>Cadmium</td> <td>TVS(tr)</td> <td>TVS</td>		D.O. (mg/L)		---	6.0	Cadmium	TVS(tr)	TVS
		D.O. (spawning)		---	7.0	Cadmium(T)	5.0	---
		pH		6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (ug/L)		---	8*	Chromium III(T)	50	---
		E. Coli (per 100 mL)		---	126	Chromium VI	TVS	TVS
						Copper	TVS	TVS
		Inorganic (mg/L)				Iron	---	WS
				acute	chronic	Iron(T)	---	1000
		Ammonia		TVS	TVS	Lead	TVS	TVS
		Boron		---	0.75	Lead(T)	50	---
		Chloride		---	250	Manganese	TVS	TVS/WS
		Chlorine		0.019	0.011	Mercury	---	0.01(t)
		Cyanide		0.005	---	Molybdenum(T)	---	150
		Nitrate		10	---	Nickel	TVS	TVS
		Nitrite		0.05	---	Nickel(T)	---	100
		Phosphorus		---	0.025*	Selenium	TVS	TVS
		Sulfate		---	WS	Silver	TVS	TVS(tr)
		Sulfide		---	0.002	Uranium	---	---
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

1. All tributaries to North Fork of the Gunnison River, including all wetlands, within the West Elk or Raggeds Wilderness Areas.						
COGUNF01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/20242024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS/TVS(sc)
2. Mainstem of North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Anthracite Creek to the Black Bridge (41.75 Drive) above Paonia.						
COGUNF02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/20242024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

3. Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the Gunnison River.													
COGUNF03	Classifications			Physical and Biological				Metals (ug/L)					
Designation	Agriculture			DM		MWAT		acute		chronic			
Reviewable	Aq Life Cold 1			Temperature °C	11/16 - 3/15	CS-II	CS-II	Aluminum	---	---			
	Recreation E 4/1 - 9/30			Temperature °C	3/16 - 11/15	26.5*	21.9* °C	Arsenic	340	---			
	Recreation P 10/1 - 3/31							Arsenic(T)	---	0.02			
	Water Supply			acute		chronic		Beryllium	---	---			
Qualifiers:				D.O. (mg/L)		---		6.0	Cadmium	TVS(tr)	TVS		
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Temperature(3/16 - 11/15) = See temperature assessment location at 35.6(6)				D.O. (spawning)		---		7.0	Cadmium(T)	5.0	---		
				pH		6.5 - 9.0		---		Chromium III	---	TVS	
				chlorophyll a (mg/m²)		---		---		Chromium III(T)	50	---	
				E. Coli (per 100 mL)		4/1 - 9/30		---		126	Chromium VI	TVS	TVS
				E. Coli (per 100 mL)		10/1 - 3/31		---		205	Copper	TVS	TVS
				Inorganic (mg/L)						Iron	---	WS	
				acute		chronic		Iron(T)	---	1000			
				Ammonia		TVS		TVS	Lead	TVS	TVS		
				Boron		---		0.75		Lead(T)	50	---	
				Chloride		---		250		Manganese	TVS	TVS/WS	
				Chlorine		0.019		0.011		Mercury	---	0.01(t)	
				Cyanide		0.005		---		Molybdenum(T)	---	150	
				Nitrate		10		---		Nickel	TVS	TVS	
				Nitrite		0.05		---		Nickel(T)	---	100	
				Phosphorus		---		---		Selenium	TVS	TVS	
				Sulfate		---		WS		Silver	TVS	TVS(tr)	
				Sulfide		---		0.002		Uranium	---	---	
						Zinc	TVS	TVS					
4a. Tributaries and wetlands to Muddy Creek within national forest boundaries. Anthracite Creek, including all tributaries and wetlands, from the source to the confluence with Muddy Creek. All tributaries to the North Fork of the Gunnison from its inception at the confluence of Muddy Creek and Anthracite Creek to the confluence with the Gunnison River within national forest boundaries. This segment excludes the specific listings in Segments 1 and 4c.													
COGUNF04A	Classifications			Physical and Biological				Metals (ug/L)					
Designation	Agriculture			DM		MWAT		acute		chronic			
Reviewable	Aq Life Cold 1			Temperature °C	CS-I		CS-I	Aluminum	---	---			
	Recreation E			acute		chronic		Arsenic	340	---			
	Water Supply			D.O. (mg/L)		---		6.0	Arsenic(T)	---	0.02		
Qualifiers:				D.O. (spawning)		---		7.0	Beryllium	---	---		
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).				pH		6.5 - 9.0		---		Cadmium	TVS(tr)	TVS	
				chlorophyll a (mg/m²)		---		150*		Cadmium(T)	5.0	---	
				E. Coli (per 100 mL)		---		126		Chromium III	---	TVS	
				Inorganic (mg/L)						Chromium III(T)	50	---	
				acute		chronic		Chromium VI	TVS	TVS			
				Ammonia		TVS		TVS	Copper	TVS	TVS		
				Boron		---		0.75		Iron	---	WS	
				Chloride		---		250		Iron(T)	---	1000	
				Chlorine		0.019		0.011		Lead	TVS	TVS	
				Cyanide		0.005		---		Lead(T)	50	---	
				Nitrate		10		---		Manganese	TVS	TVS/WS	
				Nitrite		0.05		---		Mercury	---	0.01(t)	
				Phosphorus		---		0.11*		Molybdenum(T)	---	150	
				Sulfate		---		WS		Nickel	TVS	TVS	
				Sulfide		---		0.002		Nickel(T)	---	100	
										Selenium	TVS	TVS	
										Silver	TVS	TVS(tr)	
						Uranium	---	---					
						Zinc	TVS	TVS/TVS(sc)					

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

```
tr = trout
```

```
sc = sculpin
```

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

5a. Mainstems of Hubbard Creek, Terror Creek, and Minnesota Creek, from the national forest boundary to their confluences with the North Fork of the Gunnison River; mainstem of Jay Creek from its source to its confluence with the North Fork of the Gunnison River.

COGUNF05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-I		CS-I	Aluminum		---
	Recreation P	acute		chronic	Arsenic		340
	Water Supply	D.O. (mg/L)		6.0	Arsenic(T)		0.02
Qualifiers:		D.O. (spawning)		7.0	Beryllium		---
Other:		pH		6.5 - 9.0	Cadmium		TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)		150	Cadmium(T)		5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		205	Chromium III		TVS
Expiration Date of 12/31/2024					Chromium III(T)		50
		Inorganic (mg/L)			Chromium VI		TVS
		acute		chronic	Copper		TVS
		Ammonia		TVS	Iron		---
		Boron		0.75	Iron(T)		1000
		Chloride		250	Lead		TVS
		Chlorine		0.019	Lead(T)		50
		Cyanide		0.005	Manganese		TVS
		Nitrate		10	Mercury		0.01(t)
		Nitrite		0.05	Molybdenum(T)		150
		Phosphorus		0.11	Nickel		TVS
		Sulfate		WS	Nickel(T)		100
		Sulfide		0.002	Selenium		TVS
					Silver		TVS(tr)
					Uranium		---
					Zinc		TVS

5b. Mainstem of Roatcap Creek, including all tributaries and wetlands, from the source to the confluence with the North Fork of the Gunnison. Leroux Creek from the national forest boundary to its confluence with the North Fork of the Gunnison River.

COGUNF05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-II		CS-II	Aluminum		---
	Recreation P	acute		chronic	Arsenic		340
	Water Supply	D.O. (mg/L)		6.0	Arsenic(T)		0.02
Qualifiers:		D.O. (spawning)		7.0	Beryllium		---
Other:		pH		6.5 - 9.0	Cadmium		TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)		150	Cadmium(T)		5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		205	Chromium III		TVS
Expiration Date of 12/31/2024					Chromium III(T)		50
		Inorganic (mg/L)			Chromium VI		TVS
		acute		chronic	Copper		TVS
		Ammonia		TVS	Iron		---
		Boron		0.75	Iron(T)		1000
		Chloride		250	Lead		TVS
		Chlorine		0.019	Lead(T)		50
		Cyanide		0.005	Manganese		TVS
		Nitrate		10	Mercury		0.01(t)
		Nitrite		0.05	Molybdenum(T)		150
		Phosphorus		0.11	Nickel		TVS
		Sulfate		WS	Nickel(T)		100
		Sulfide		0.002	Selenium		TVS
					Silver		TVS(tr)
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

sc = sculpin

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

North Fork of the Gunnison River Basin

6b. Mainstem and all tributaries to Bear Creek and Stevens Gulch. All tributaries, including wetlands, to the North Fork of the Gunnison River that are north of the North Fork of the Gunnison River, from a point immediately above the confluence with Roatcap Creek to the confluence with the Gunnison River, and are not within national forest boundaries; all tributaries, including wetlands, to the North Fork of the Gunnison River that are south of the North Fork of the Gunnison River, from a point immediately above the confluence with Minnesota Creek to the confluence with the Gunnison River, and are not within national forest boundaries, excluding the specific listings in Segments 5a and 5b.							
COGUNF06B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Aluminum	---	---
	Recreation P		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

1. All tributaries to the Uncompahgre River, including all wetlands, which are within the Mt. Sneffels or Uncompahgre Wilderness Areas.

COGUUN01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III(T)	50	---
		acute	chronic		Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

3a. Mainstem of the Uncompahgre River from a point immediately above the confluence with Red Mountain Creek to a point immediately above the confluence with Cascade Creek.

COGUUN03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	---	SSE*
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	SSE*	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic		Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	7438
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.05	---	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3b. Mainstem of the Uncompahgre River from a point immediately above the confluence with Cascade Creek to a point immediately above the confluence with Dexter Creek.						
COGUUN03B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I*	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	SSE*
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/ 2024 2024					Chromium III	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4). *Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866) \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))}$ *Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909) \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))}$ *Temperature = Temperature = summer criteria apply from 6/1-10/15		Inorganic (mg/L)			Chromium III(T)	50
			acute	chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	WS
		Chloride	---	250	Iron(T)	2971
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	150
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS(tr)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3c. Mainstem of the Uncompahgre River from a point immediately above the confluence with Dexter Creek to a point immediately below the confluence with Dallas Creek.						
COGUUN03C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	SSE*
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	---
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4). *Cadmium(acute) = $e^{(0.9789 \cdot \ln(\text{hardness}) - 3.866)} \cdot (1.136672 - (\ln(\text{hardness}) \cdot 0.041838))$ *Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909)} \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))$		acute		chronic	Chromium III(T)	TVS
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	WS
		Chlorine	0.019	0.011	Iron(T)	1793
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	---
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.11*	Mercury	TVS/WS
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	150
					Nickel(T)	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---
						TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

3f. Mainstem of the Uncompahgre River from a point immediately above the outlet of the South Canal to a point immediately above the Highway 90 bridge in Montrose.						
COGUUN03F	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	SSE*
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/ 2024 2024					Chromium III	---
					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))
 *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))

4a. Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Gunnison Road.						
COGUUN04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid					Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	0.5	---	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

4b. Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.							
COGUUN04B		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute		chronic	
	UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
		Recreation P	acute	chronic	Arsenic	340	---
		Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	205	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---	TVS	
Expiration Date of 12/31/20242024		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

10a. All tributaries to the Uncompahgre River, including all wetlands, from a point immediately below the confluence with Dexter Creek to the South Canal near Uncompahgre, except for specific listings in Segments 1, 10b, and 11.							
COGUUN10A		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute		chronic	
	Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
		Recreation P	acute	chronic	Arsenic	340	---
		Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)		Chromium III(T)	50	---	
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4).		acute	chronic	Chromium VI	TVS	TVS	
*Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

11. Mainstem of Coal Creek from the source to the Park Ditch, mainstem of Dallas Creek from the source of the East and West Forks to the confluence with the Uncompahgre River; mainstem of Cow Creek from the Uncompahgre Wilderness Area boundary to a point immediately below the confluence with Nate Creek, tributaries to Cow Creek from the Uncompahgre Wilderness Area boundary to the confluence with the Uncompahgre River; mainstems of Billy Creek, Onion Creek and Beaton Creek from their sources to their confluences with Uncompahgre River; mainstem of Beaver Creek from the source to the confluence with the East Fork of Dallas Creek; and mainstem of Pleasant Valley Creek from the source to the confluence with Dallas Creek.

COGUUN11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation P	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 <u>2024</u>					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Uncompahgre River Basin

12. All tributaries to the Uncompahgre River, including all wetlands, from the South Canal near Uncompahgre to the confluence with the Gunnison River, except for specific listings in Segments 13, 14, 15a and 15b.

COGUUN12	Classifications	Physical and Biological			Metals (ug/L)		
Designation		DM	MWAT		acute	chronic	
UP	Agriculture	WS-II	WS-II	Temperature °C	---	---	Aluminum
	Aq Life Warm 1	acute	chronic		340	---	Arsenic
	Recreation P	---	5.0	D.O. (mg/L)	---	0.02	Arsenic(T)
	Water Supply						
Qualifiers:		pH	6.5 - 9.0	---	---	---	Beryllium
Other:		chlorophyll a (mg/m ²)	---	150	---	---	Cadmium
Temporary Modification(s):		E. Coli (per 100 mL)	---	205	---	---	Cadmium(T)
Arsenic(chronic) = hybrid		Inorganic (mg/L)			---	---	Chromium III
Expiration Date of 12/31/2024					---	100	Chromium III(T)
		acute	chronic		---	---	Chromium VI
		TVS	TVS	Ammonia	---	---	Copper
		---	0.75	Boron	---	---	Iron
		---	250	Chloride	---	---	Iron(T)
		0.019	0.011	Chlorine	---	1400	Lead
		0.005	---	Cyanide	---	---	Lead(T)
		10	---	Nitrate	---	---	Manganese
		0.05	---	Nitrite	---	---	Mercury
		---	0.17	Phosphorus	---	0.01(t)	Molybdenum(T)
		---	WS	Sulfate	---	---	Nickel
		---	0.002	Sulfide	---	---	Nickel(T)
					---	---	Selenium
					---	---	Silver
					---	---	Uranium
					---	---	Zinc

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

1. Mainstem of the Gunnison River from the outlet of Crystal Reservoir to Highway 65 (38.772574, -108.002634).						
COGULG01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024		Inorganic (mg/L)			Chromium III(T)	50
		acute	chronic		Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	0.05	---	Mercury	---
		Phosphorus	---	---	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
2. Mainstem of the Gunnison River from Highway 65 (38.772574, -108.002634) to the confluence with the Colorado River.						
COGULG02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2024		acute	chronic		Chromium III(T)	50
Selenium(chronic) = current conditions		Ammonia	TVS	TVS	Chromium VI	TVS
Expiration Date of 12/31/2022		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	480	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

3. All tributaries to the Gunnison River, including all wetlands, which are within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork Gunnison River sub-basin, Uncompahgre River sub-basins, and Segments 10, 11a, 11b, and 12.

COGULG03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

7b. Mainstem of Surface Creek from the point of diversion of water supply (38.965216, -107.876031) to the confluence with Tongue Creek; mainstem of Tongue Creek from its inception at the confluence of Ward Creek and Dirty George Creek to the confluence with the Gunnison River; mainstem of Youngs Creek from the national forest boundary to the confluence with Kiser Creek; mainstem of Kiser Creek from the national forest boundary to the confluence with Ward Creek.

COGULG07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation P	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Expiration Date of 12/31/ 2021 2024		Inorganic (mg/L)			Chromium III(T)	50	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11*	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Gunnison Basin

8a. Mainstem of Surface Creek, including all tributaries, from the national forest boundary to the point of diversion for public water supply (38.965216, -107.876031).							
COGULG08A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
*Manganese(chronic) = WS, TVS and 1000 ug/L		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute		chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	varies*
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

2. All tributaries and wetlands, to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, except for specific listings in Segments 1, 6a, 6b, 7 and 8.							
COGUSM02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E		acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium	SSE*	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium III	---	
<div>*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))</div> <div>*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))</div>			Inorganic (mg/L)		Chromium III(T)	50	
						Chromium VI	TVS
						Copper	TVS
						Iron	---
						Iron(T)	---
						Lead	TVS
						Lead(T)	50
						Manganese	TVS
						Mercury	---
						Molybdenum(T)	---
						Nickel	TVS
						Nickel(T)	---
						Selenium	TVS
						Silver	TVS
						Uranium	---
						Zinc	TVS
							TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

3b. Mainstem of the San Miguel River from a point immediately above the confluence of Marshall Creek to a point immediately above the confluence of the South Fork San Miguel River.						
COGUSM03B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	SSE*
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	SSE*
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/20242024					Chromium III	---
					Chromium III(T)	50
					Chromium VI	TVS
					Copper	---
					Copper	---
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

4b. Mainstem of the San Miguel River from a point immediately below the CC ditch to a point immediately below the confluence of Naturita Creek.									
COGUSM04B	Classifications	Physical and Biological				Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic		
Reviewable	Aq Life Warm 1	Temperature °C	11/1 - 2/29	13	9	Aluminum	---	---	
	Recreation E	Temperature °C	3/1 - 10/31	30.9	23.3	Arsenic	340	---	
	Water Supply					Arsenic(T)	---	0.02	
Qualifiers:		acute		chronic	Beryllium			---	---
Other:		D.O. (mg/L)		---	5.0	Cadmium		TVS	TVS
Temporary Modification(s):		pH		6.5 - 9.0	---	Cadmium(T)		5.0	---
Arsenic(chronic) = hybrid		chlorophyll a (mg/m²)		---	---	Chromium III		---	TVS
Expiration Date of 12/31/20242024		E. Coli (per 100 mL)		---	126	Chromium III(T)		50	---
		Inorganic (mg/L)			Chromium VI		TVS	TVS	
		acute		chronic	Copper		TVS	TVS	
		Ammonia		TVS	TVS	Iron		---	WS
		Boron		---	0.75	Iron(T)		---	1000
		Chloride		---	250	Lead		TVS	TVS
		Chlorine		0.019	0.011	Lead(T)		50	---
		Cyanide		0.005	---	Manganese		TVS	TVS/WS
		Nitrate		10	---	Mercury		---	0.01(t)
		Nitrite		0.5	---	Molybdenum(T)		---	150
		Phosphorus		---	---	Nickel		TVS	TVS
		Sulfate		---	WS	Nickel(T)		---	100
		Sulfide		---	0.002	Selenium		TVS	TVS
						Silver		TVS	TVS
						Uranium		---	---
						Zinc		TVS	TVS
7. Mainstem of Howard Fork and including tributaries and wetlands, from a point immediately below the confluence of Swamp Gulch to its confluence with the South Fork of the San Miguel River.									
COGUSM07	Classifications	Physical and Biological				Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		---	---	
	Recreation E	acute		chronic	Arsenic		340	---	
	Water Supply	D.O. (mg/L)		---	6.0	Arsenic(T)		---	0.02
Qualifiers:		D.O. (spawning)		---	7.0	Beryllium		---	---
Other:		pH		6.5 - 9.0	---	Cadmium		TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)		---	150	Cadmium(T)		5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		---	126	Chromium III		---	TVS
Expiration Date of 12/31/20242024						Chromium III(T)		50	---
		Inorganic (mg/L)			Chromium VI		TVS	TVS	
		acute		chronic	Copper		TVS	TVS	
		Ammonia		TVS	TVS	Iron		---	WS
		Boron		---	0.75	Iron(T)		---	1000
		Chloride		---	250	Lead		TVS	TVS
		Chlorine		0.019	0.011	Lead(T)		50	---
		Cyanide		0.005	---	Manganese		TVS	TVS/WS
		Nitrate		10	---	Mercury		---	0.01(t)
		Nitrite		0.05	---	Molybdenum(T)		---	150
		Phosphorus		---	0.11	Nickel		TVS	TVS
		Sulfate		---	WS	Nickel(T)		---	100
		Sulfide		---	0.002	Selenium		TVS	TVS
						Silver		TVS	TVS(tr)
						Uranium		---	---
						Zinc		TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS San Miguel River Basin

8. Mainstem of the South Fork of the San Miguel River from its inception at the confluence of the Howard and Lake Forks to its confluence with the San Miguel River.							
COGUSM08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/80
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
9. All tributaries to the San Miguel River, including all wetlands, from a point immediately below the confluence of Leopard Creek to the Dolores River that are within the boundaries of the Uncompahgre National Forest, except for the listings in Segment 10a.							
COGUSM09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

10b. Mainstem of Naturita Creek and Tabeguache Creek from the point it exits the Uncompahgre National Forest at the most downstream boundary to the confluence with the San Miguel River.

COGUSM10B Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		chlorophyll a (mg/m ²)	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	Cadmium(T)	5.0
		Inorganic (mg/L)		Chromium III	---
		acute	chronic	Chromium III(T)	50
		Ammonia	TVS	Chromium VI	TVS
		Boron	---	Copper	TVS
		Chloride	---	Iron	WS
		Chlorine	0.019	Iron(T)	1000
		Cyanide	0.005	Lead	TVS
		Nitrate	10	Lead(T)	50
		Nitrite	0.05	Manganese	TVS
		Phosphorus	---	Mercury	0.01(t)
		Sulfate	---	Molybdenum(T)	150
		Sulfide	---	Nickel	TVS
			0.002	Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

12a. All tributaries and wetlands to Naturita Creek. All tributaries and wetlands to the San Miguel River from a point immediately below the confluence with Leopard Creek to a point immediately above Horsefly Creek. This segment excludes the listings in Segments 9, 11a, 11b, 12b, and 12c.

COGUSM12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Water + Fish Standards		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Other:					Chromium III(T)	50	---
					Chromium VI	TVS	TVS
Temporary Modification(s):					Copper	TVS	TVS
					Iron	---	WS
Arsenic(chronic) = hybrid					Iron(T)	---	1000
					Lead	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

San Miguel River Basin

12b. All tributaries and wetlands to the San Miguel River from a point immediately above Horsefly Creek to the confluence with the Dolores River, excluding the listings in Segments 9, 11a, 12a, and 12c. Maverick Draw, including all tributaries and wetlands, from its source to the confluence with Naturita Creek.						
COGUSM12B Classifications		Physical and Biological			Metals (ug/L)	
Designation			DM	MWAT	acute	chronic
UP	Agriculture					
	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III	TVS
			acute	chronic	Chromium III(T)	50
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 35.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 35.5(4).		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	0.05	---	Manganese	TVS
		Phosphorus	---	0.17*	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	150
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Uranium(T)	16.8-30 ^A
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

1a. Mainstem of the Dolores River from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to a point immediately above the confluence with Big Canyon Creek near Dove Creek.

COGULD01A	Classifications	Physical and Biological				Metals (ug/L)						
Designation	Agriculture			DM	MWAT	acute		chronic				
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/22	CS-II	CS-II	Aluminum	---	---				
	Recreation E	Temperature °C	3/23 - 10/31	26.6	23.8	Arsenic	340	---				
	Water Supply					Arsenic(T)	---	0.02				
Qualifiers:						acute		chronic				
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u>						Beryllium	---	---				
		D.O. (mg/L)				---	6.0	Cadmium	TVS(tr)	TVS		
		D.O. (spawning)				---	7.0	Cadmium(T)	5.0	---		
		pH				6.5 - 9.0	---	Chromium III	---	TVS		
		chlorophyll a (mg/m ²)				---	---	Chromium III(T)	50	---		
		E. Coli (per 100 mL)				---	126	Chromium VI	TVS	TVS		
						Copper					TVS	TVS
		Inorganic (mg/L)				Iron					---	WS
						Iron(T)					---	1000
						acute	chronic	Lead	TVS	TVS		
		Ammonia				TVS	TVS	Lead(T)	50	---		
		Boron				---	0.75	Manganese	TVS	TVS/WS		
		Chloride				---	250	Mercury	---	0.01(t)		
		Chlorine				0.019	0.011	Molybdenum(T)	---	150		
		Cyanide				0.005	---	Nickel	TVS	TVS		
		Nitrate				10	---	Nickel(T)	---	100		
		Nitrite				0.05	---	Selenium	TVS	TVS		
		Phosphorus				---	---	Silver	TVS	TVS(tr)		
		Sulfate				---	WS	Uranium	TVS	---		
		Sulfide				---	0.002	Uranium(T)	---	16.8-30 ^A		
				Zinc					TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

1b. Mainstem of the Dolores River from a point immediately above the confluence with Big Canyon Creek near Dove Creek to a point immediately above the Highway 141 road crossing near Slick Rock.

COGULD01B	Classifications	Physical and Biological				Metals (ug/L)		
Designation	Agriculture	DM		MWAT		acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/22	CS-II	9.1	Aluminum	---	---
	Recreation E	Temperature °C	3/23 - 10/31	27.6	24.7	Arsenic	340	---
	Water Supply					Arsenic(T)	---	0.02
Qualifiers:		acute		chronic		Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)	TVS
		D.O. (spawning)	---	7.0		Cadmium(T)	5.0	---
		pH	6.5 - 9.0	---		Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	---		Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126		Chromium VI	TVS	TVS
		Inorganic (mg/L)				Copper	TVS	TVS
						Iron	---	WS
		acute		chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS		Lead	TVS	TVS
		Boron	---	0.75		Lead(T)	50	---
		Chloride	---	250		Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011		Mercury	---	0.01(t)
		Cyanide	0.005	---		Molybdenum(T)	---	150
		Nitrate	10	---		Nickel	TVS	TVS
		Nitrite	0.05	---		Nickel(T)	---	100
		Phosphorus	---	---		Selenium	TVS	TVS
		Sulfate	---	WS		Silver	TVS	TVS(tr)
		Sulfide	---	0.002		Uranium	TVS	---
						Uranium(T)	---	16.8-30 ^A
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

2. Mainstem of the Dolores River from the Highway 141 road crossing near Slick Rock to the Colorado/Utah border.							
COGULD02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	0.5	---	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Dolores River Basin

5. Mainstem of West Creek from the source to the confluence with the Dolores River. Roc Creek including all tributaries and wetlands from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. La Sal Creek, including all tributaries and wetlands, from the Utah/Colorado border to the confluence with the Dolores River. Mesa Creek, including all tributaries and wetlands, from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

COGULD05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2021 2024		Inorganic (mg/L)			Chromium III(T)	50	---
		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Mercury	---	0.01(t)
		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	TVS	---
					Uranium(T)	---	16.8-30 ^A
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Reserved.
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.

EXHIBIT 5
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 36 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR RIO GRANDE BASIN

5 CCR 1002-36

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

36.6 TABLES

(2) Abbreviations

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water + Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/~~2024~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2024~~2024.
 - (a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (c) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

36.44 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modifications should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

Temporary Modifications for Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 36.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division's Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division's Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the "current condition" temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of

evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division's Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-36

**REGULATION NO. 36
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
RIO GRANDE BASIN**

**APPENDIX 36-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2020~~06/30/2019

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

1. All tributaries to the Rio Grande, including all wetlands, within the Weminuche Wilderness Area.							
CORGRG01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 36.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
2. Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3.							
CORGRG02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		acute	chronic	Iron(T)	---	1000	
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

4a. Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.								
CORGRG04A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS	varies*	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
Expiration Date of 12/31/20242024					Copper	TVS	TVS	
*Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations. *Manganese(chronic) = See 36.6(4) for site-specific standards and assessment locations. *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details. *Zinc(acute) = See 36.6(4) for site-specific standards and assessment locations. *Zinc(chronic) = See 36.6(4) for site-specific standards and assessment locations.		Inorganic (mg/L)			Iron	---	WS	
			acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	varies*	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	---	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	varies*	varies*	
		4b. Mainstem of the Rio Grande from a point immediately above the confluence with South Fork Rio Grande to the Hwy 285 crossing.						
		CORGRG04B	Classifications	Physical and Biological			Metals (ug/L)	
		Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---	
	Recreation E		acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---	
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS	
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838)) *Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838)) *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		Inorganic (mg/L)			Copper	TVS	TVS	
			acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000	
		Boron	---	0.75	Lead	TVS	TVS	
		Chloride	---	250	Lead(T)	50	---	
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS	
		Cyanide	0.005	---	Mercury(T)	---	0.01	
		Nitrate	10	---	Molybdenum(T)	---	150	
		Nitrite	0.05	---	Nickel	TVS	TVS	
		Phosphorus	---	---	Nickel(T)	---	100	
		Sulfate	---	WS	Selenium	TVS	TVS	
		Sulfide	---	0.002	Silver	TVS	TVS(tr)	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

4c. Mainstem of the Rio Grande from the Hwy 285 crossing to the Rio Grande/Alamosa County line.							
CORGRG04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

5a. All tributaries to the Rio Grande, including all wetlands, from immediately above the confluence with Willow Creek to the Hwy 112 bridge near Del Norte, excluding the listings in segments 5b through 10.							
CORGRG05A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Chromium VI	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		acute	chronic		Copper	TVS	TVS
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

9a. Mainstem of the South Fork Rio Grande, including all tributaries and wetlands, from the source to a point just below the confluence with Decker Creek, excluding the specific listings in segment 1. Mainstem of Beaver Creek, including all tributaries and wetlands, from the source to the inlet of Beaver Creek Reservoir.							
CORGRG09A		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).					Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).					Iron(T)	---	1000
*Uranium(acute) = See 36.5(3) for details.					Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

9b. Mainstem of the South Fork Rio Grande, including all tributaries and wetlands, from a point just below the confluence with Decker Creek to the confluence with the Rio Grande, excluding the specific listings in segment 9a.							
CORGRG09B		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4).					Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).					Iron(T)	---	1000
*Uranium(acute) = See 36.5(3) for details.					Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury(T)	---	0.01
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

11. Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to the confluence with the Rio Grande.							
CORGRG11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

12. Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to Conejos County Road G (37.07831, -105.75665).							
CORGRG12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Water Supply	acute	chronic	Arsenic(T)	---	0.02	
	Recreation E	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.5	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

14. Mainstems of Dry Pole Creek, Limekiln Creek, Nicomodes Gulch, Raton Creek, and Dry Creek, including all tributaries and wetlands, within the boundaries of the Rio Grande National Forest.						
CORGRG14	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/20242024					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS
19. Mainstem of Rock Creek, including all tributaries and wetlands, from the source to the Monte Vista Canal (37.52773, -106.16826).						
CORGRG19	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/20242024					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

21a. Mainstem of Ute Creek, including all tributaries and wetlands, from the source to the crossing at 37.5000, -105.39643.							
CORGRG21A		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.			Inorganic (mg/L)		Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

21b. Mainstem of Ute Creek, including all tributaries and wetlands, from the crossing at 37.5000, -105.39643 to Hwy 160.							
CORGRG21B		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	CS-I*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.			Inorganic (mg/L)		Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.					Iron(T)	---	1000
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
DM=CS-I from 10/1-5/31		Boron	---	0.75	Lead(T)	50	---
DM=22.3 from 6/1-9/30		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

21b. Mainstem of Ute Creek, including all tributaries and wetlands, from the crossing at 37.5000, -105.39643 to Hwy 160.							
CORGRG21B		Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	CS-I*	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

28. Mainstem of Rito Seco, including all tributaries and wetlands, from the source to the road crossing at 37.218809, -105.411762.							
CORGRG28	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
30. Mainstem of Culebra Creek, including all tributaries and wetlands, from the source to the Culebra Sanchez Canal diversion, excluding the specific listings in segment 31. East Fork and West Fork of Costilla Creek, including all tributaries and wetlands, within Colorado.							
CORGRG30	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

30. Mainstem of Culebra Creek, including all tributaries and wetlands, from the source to the Culebra Sanchez Canal diversion, excluding the specific listings in segment 31. East Fork and West Fork of Costilla Creek, including all tributaries and wetlands, within Colorado.							
CORGRG30	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Rio Grande Basin

31. Mainstem of Culebra Creek from the Sanchez Canal diversion to Hwy 159. Mainstem of Ventero Creek from the Colorado/New Mexico border to the confluence with Culebra Creek. Mainstem of Costilla Creek, including all tributaries and wetlands within Colorado, excluding the listings for the East and West Forks in segment 30.						
CORGRG31	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340
	Recreation E	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS
		Inorganic (mg/L)			Iron	---
		acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury(T)	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	0.05	---	Nickel(T)	---
		Phosphorus	---	0.11*	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	varies*
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

13. Mainstem of Hot Creek from the source to the confluence with La Jara Creek.							
CORGAL13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
14a. Mainstem of the Conejos River, including all tributaries and wetlands, from the source to immediately below the confluence with Elk Creek, excluding the specific listings in segment 1.							
CORGAL14A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

14a. Mainstem of the Conejos River, including all tributaries and wetlands, from the source to immediately below the confluence with Elk Creek, excluding the specific listings in segment 1.							
CORGAL14A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.			Inorganic (mg/L)		Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

14b. Mainstem of the Conejos River, including all tributaries and wetlands, from a point immediately below the confluence with Elk Creek to a point immediately above the confluence with Fox Creek.

CORGAL14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		acute	chronic		Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

15. Mainstem of the Conejos River from a point immediately above the confluence with Fox Creek to the confluence with the Rio San Antonio.

CORGAL15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Copper	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 36.5(4).		acute	chronic		Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 36.5(4).		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11*	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

17a. Mainstem of Rio de Los Pinos, including all tributaries and wetlands within Colorado, excluding the specific listings in segment 1.							
CORGAL17A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

17b. Mainstem of the Rio San Antonio from the Colorado/New Mexico border to Hwy 285.							
CORGAL17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Alamosa River/La Jara Creek/Conejos River Basins

18. Mainstem of the Rio San Antonio from Hwy 285 to the confluence with the Conejos River.							
CORGAL18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture Aq Life Warm 2 Water Supply Recreation E	DM	MWAT	acute		chronic	
Reviewable		Temperature °C	WS-II	WS-II	Arsenic	340	---
		acute	chronic	Arsenic(T)	---	0.02	
		D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:	Water + Fish Standards Apply	pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid	*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 36.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 36.5(4). *Uranium(acute) = See 36.5(3) for details. *Uranium(chronic) = See 36.5(3) for details.	acute	chronic	Copper	TVS	TVS	
Expiration Date of 12/31/ 2021 2024		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

3. All tributaries to the Closed Basin excluding the listings in segments 1, 2a, 2b, 2c, and 4 through 13.

CORGCB03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 36.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 36.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4. Mainstem of San Luis Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Piney Creek, excluding the specific listings in segments 8, 9a, and 9b. Garner Creek, including all tributaries and wetlands, from the Rio Grande Forest Boundary to the mouth.

CORGCB04	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

9b. Mainstem of Kerber Creek from a point immediately above the confluence with Brewery Creek to the confluence with San Luis Creek.							
CORGCB09B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Goal Qualifier for Agriculture and Water Supply		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):					Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Copper	---	SSE*
Expiration Date of 12/31/20242024		acute	chronic	Copper	SSE*	TVS	
*Cadmium(acute) = e^(0.7852ln[hard]-1.545)		Ammonia	TVS	TVS	Copper	TVS	---
*Cadmium(chronic) = e^(0.7852ln[hard]-2.906)		Boron	---	0.75	Iron	---	300
*Copper(acute) = e^(0.8889ln[hard]+0.53)		Chloride	---	250	Iron(T)	---	1000
*Copper(chronic) = e^(0.8889ln[hard]-1.519)		Chlorine	0.019	0.011	Lead	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Cyanide	0.005	---	Lead(T)	50	---
*Uranium(chronic) = See 36.5(3) for details.		Nitrate	10	---	Manganese	TVS	TVS/WS
*Zinc(acute) = e^(0.8179ln[hard]+3.757)		Nitrite	0.05	---	Mercury(T)	---	0.01
*Zinc(chronic) = e^(0.8179ln[hard]+2.907)		Phosphorus	---	0.11	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	---	SSE*
					Zinc	SSE*	TVS
					Zinc	TVS	---

11. All tributaries to the Closed Basin within the Rio Grande National Forest boundaries excluding the listings in segments 1, 2a, 2b, 2c, 4, 9a, 9b, 10, 12a, 12b, and 12c.							
CORGCB11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
Recreation E	acute	chronic	Arsenic(T)	---	0.02		
Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
	D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Qualifiers:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 36.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

11. All tributaries to the Closed Basin within the Rio Grande National Forest boundaries excluding the listings in segments 1, 2a, 2b, 2c, 4, 9a, 9b, 10, 12a, 12b, and 12c.							
CORGCB11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

12a. Mainstem of Saguache Creek, including all tributaries and wetlands, from the boundary of the La Garita Wilderness Area to a point just below the confluence with Ford Creek, excluding the specific listings in segments 1 and 12b.

CORGCB12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	---	SSE*
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	SSE*	---
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/ 2024 2024					Chromium VI	TVS	TVS
*Cadmium(acute) = e^(0.9789*ln(hardness)-3.866)*(1.136672-(ln(hardness)*0.041838))		Inorganic (mg/L)			Copper	TVS	TVS
*Cadmium(chronic) = e^(0.7977*ln(hardness)-3.909)*(1.101672-(ln(hardness)*0.041838))		acute		chronic	Iron	---	WS
*Uranium(acute) = See 36.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
*Uranium(chronic) = See 36.5(3) for details.		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

12b. Mainstem of Saguache Creek from a point just below the confluence of Fourmile Creek to a point just below the confluence with Ford Creek.

CORGB12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II*	varies* °C	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>20242024</u>					Copper	TVS	TVS
*Uranium(acute) = See 36.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 36.5(3) for details.		acute		chronic	Iron(T)	---	1000
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
MWAT=CS-II from 11/1-3/31		Boron	---	0.75	Lead(T)	50	---
MWAT=18.6 from 4/1-10/31		Chloride	---	250	Manganese	TVS	TVS/WS
See temperature assessment locations at 36.6(4).		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #36 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Closed Basin-San Luis Valley River Basin

12c. Mainstem of Saguache Creek, including all tributaries and wetlands, from a point just below the confluence with Ford Creek to Hwy 285.							
CORGCB12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2021 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nicel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 36.6 for details on TVS, TVS(tr), WS, temperature standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) *Reserved.*
- (C) For certain site-specific temperature standards, the temperature excursions listed in Table I - Footnote 5(c) of 31.16 do not apply. Assessment of ambient-based temperature standards should be conducted in a way that represents similar conditions to those under which the criteria were developed (i.e., air, low flow, and warming event excursions should not apply). Similarly, where site-specific adjustments to the winter shoulder season have been adopted, the winter shoulder season excursion does not apply.

EXHIBIT 6
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 37 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR LOWER COLORADO RIVER BASIN

5 CCR 1002-37

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

37.6 TABLES

(2) Abbreviations:

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water+Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/~~2021~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2021~~2024.
 - (a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (c) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

37.41 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The Commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modifications should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

A. Temporary Modifications for Standards Other than Arsenic

The commission took no action on the following temporary modification:

Lower Colorado Segment 4e: temporary modification of the acute and chronic copper standards (expires 6/3/2021). Tri-State Generation and Transmission Association, Inc. continues to make progress to resolve the uncertainty and is working to develop a proposal for site-specific copper standards in the December 2020 temporary modifications rulemaking hearing. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

B. Temporary Modification Updates – Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 37.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division's Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division's Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado

waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the “current condition” temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division’s Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-37

**REGULATION NO. 37
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
LOWER COLORADO RIVER BASIN**

**APPENDIX 37-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2020~~12/31/2019

Abbreviations and Acroynms

Aq	=	Aquatic
°C	=	degrees Celsius
CL	=	cold lake temperature tier
CLL	=	cold large lake temperature tier
CS-I	=	cold stream temperature tier one
CS-II	=	cold stream temperature tier two
D.O.	=	dissolved oxygen
DM	=	daily maximum temperature
DUWS	=	direct use water supply
E. coli	=	<i>Escherichia coli</i>
mg/L	=	milligrams per liter
mg/m ²	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
UP	=	use-protected
WS	=	water supply
WS-I	=	warm stream temperature tier one
WS-II	=	warm stream temperature tier two
WS-III	=	warm stream temperature tier three
WL	=	warm lake temperature tier

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

2. Mainstem of the Yampa River from a point immediately below the confluence with Elkhead Creek to the confluence with the Green River.							
COLCLY02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
3a. All tributaries to the Yampa River, including all wetlands, from a point immediately below the confluence with Elkhead Creek to a point immediately below the confluence with the Little Snake River, except for listings in Segments 3b through 15, 17a, 17b and 18.							
COLCLY03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Water Supply	acute	chronic		Arsenic(T)	---	0.02
	Recreation P	D.O. (mg/L)	---	5.0	Beryllium(T)	---	100
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
Water + Fish Standards Apply		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Other:		E. Coli (per 100 mL)	---	205	Chromium III	---	TVS
Temporary Modification(s):		Inorganic (mg/L)			Chromium III(T)	50	---
Arsenic(chronic) = hybrid		acute	chronic		Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024		Ammonia	TVS	TVS	Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/WS
		Nitrite	0.05	---	Manganese(T)	---	200
		Phosphorus	---	0.17	Mercury(T)	---	0.01
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

3c. Mainstem of Milk Creek, including all tributaries and wetlands, from Thornburgh (County Rd 15) to the confluence with the Yampa River, except for listings in Segment 3b and 3e.						
COLCLY03C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0
Other:		chlorophyll a (mg/m ²)	---	150	Chromium III	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	205	Chromium III(T)	50
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024		acute	chronic	Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury(T)	---
		Nitrite	0.05	---	Molybdenum(T)	---
		Phosphorus	---	0.17	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	varies*
					Zinc	TVS
						TVS

4. North and South Fork of Fortification Creek, including all wetlands and tributaries, from their sources to their confluence. Little Cottonwood Creek, including all tributaries and wetlands from the source to the confluence with Fortification Creek.						
COLCLY04	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340
	Recreation P	acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:		pH	6.5 - 9.0	---	Chromium III	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)		Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		acute	chronic	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---
		Boron	---	0.75	Lead	TVS
		Chloride	---	250	Lead(T)	50
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury(T)	---
		Nitrate	10	---	Molybdenum(T)	---
		Nitrite	0.05	---	Nickel	TVS
		Phosphorus	---	0.11	Nickel(T)	---
		Sulfate	---	WS	Selenium	TVS
		Sulfide	---	0.002	Silver	TVS
					Uranium	varies*
					Zinc	TVS
						TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

5. Mainstem of Fortification Creek from the confluence of the North Fork and South Fork to the confluence with the Yampa River.							
COLCLY05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
9. Mainstems of the East and South Forks of the Williams Fork River, including all wetlands and tributaries, which are within the boundary of Routt National Forest, except for listings in Segment 8 and 12c.							
COLCLY09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>20242024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

10. Mainstem of the East Fork of the Williams Fork River including all tributaries and wetlands, from the boundary of Routt National Forest to the confluence with the South Fork of the Williams Fork River.							
COLCLY10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)
12a. Mainstem of the South Fork of the Williams Fork River and Beaver Creek, including all tributaries and wetlands, from the boundary of Routt National Forest to their mouths. Milk Creek, including all tributaries and wetlands, from the source to a point just below the confluence with Clear Creek. Morapos Creek, including all wetlands and tributaries, from the source to the confluence with the Williams Fork River.							
COLCLY12A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

12c. Mainstem of Beaver Creek, including all wetlands and tributaries, which are within the Routt National Forest.							
COLCLY12C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
15. Those portions of the Little Snake River which are in Colorado, from its first crossing of the Colorado/Wyoming border to a point immediately above the confluence with Powder Wash (Moffatt County).							
COLCLY15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E		acute	chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

15. Those portions of the Little Snake River which are in Colorado, from its first crossing of the Colorado/Wyoming border to a point immediately above the confluence with Powder Wash (Moffatt County).							
COLCLY15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
	Aq Life Cold 1	Temperature °C	CS-II	CS-II	acute	chronic	
Reviewable	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
					Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
					Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
Sulfate	---	WS	Silver	TVS	TVS(tr)		
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS/TVS(sc)		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Yampa/Green River

16. Mainstem of the Little Snake River from a point immediately above the confluence with Powder Wash to the confluence with the Yampa River.							
COLCLY16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Water + Fish Standards Apply		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Other:		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		acute	chronic	Copper	TVS	TVS	
Expiration Date of 12/31/20242024		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	4400
*Uranium(chronic) = See 37.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
18. Mainstem of Slater Creek, including all tributaries and wetlands, from the source to a point just below the confluence with Second Creek. The mainstems of Fourmile and Willow Creeks, including all tributaries and wetlands, from their sources to the boundary of the Routt National Forest.							
COLCLY18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

4a. All tributaries to the North Fork White River, including all wetlands, from the Flat Tops Wilderness Area boundary to the confluence with the South Fork White River, except for listings in Segment 1 and 4b.

COLCWH04A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

4b. Lost Creek, including tributaries and wetlands, from the source to the confluence with the North Fork White River. Snell Creek, including all wetlands and tributaries, from the source to the confluence with the North Fork White River.

COLCWH04B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

7. Mainstem of the White River from a point immediately above the confluence with Miller Creek to a point immediately above the confluence with Piceance Creek.										
COLCWH07	Classifications		Physical and Biological			Metals (ug/L)				
Designation	Agriculture		DM	MWAT	acute		chronic			
Reviewable	Aq Life Cold 1		Temperature °C	CS-II	CS-II	Arsenic	340	---		
	Recreation E 3/2 - 11/30			acute	chronic	Arsenic(T)	---	0.02		
	Recreation P 12/1 - 3/1		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS		
	Water Supply		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		
Qualifiers:			pH	6.5 - 9.0	---	Chromium III	---	TVS		
Other:			chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---		
Temporary Modification(s):			E. Coli (per 100 mL)	3/2 - 11/30	---	126	Chromium VI	TVS	TVS	
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)	12/1 - 3/1	---	205	Copper	TVS	TVS	
Expiration Date of 12/31/20242024			Inorganic (mg/L)			Iron	---	WS		
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.				acute	chronic	Iron(T)	---	1000		
			Ammonia	TVS	TVS	Lead	TVS	TVS		
			Boron	---	0.75	Lead(T)	50	---		
			Chloride	---	250	Manganese	TVS	TVS/WS		
			Chlorine	0.019	0.011	Mercury(T)	---	0.01		
			Cyanide	0.005	---	Molybdenum(T)	---	150		
			Nitrate	10	---	Nickel	TVS	TVS		
			Nitrite	0.05	---	Nickel(T)	---	100		
			Phosphorus	---	0.11*	Selenium	TVS	TVS		
			Sulfate	---	WS	Silver	TVS	TVS(tr)		
			Sulfide	---	0.002	Uranium	varies*	varies*		
						Zinc	TVS	TVS		
			9d. Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River.							
			COLCWH09D	Classifications		Physical and Biological			Metals (ug/L)	
			Designation	Agriculture		DM	MWAT	acute		chronic
Reviewable	Aq Life Cold 2		Temperature °C	CS-II	CS-II	Arsenic	340	---		
	Recreation E			acute	chronic	Arsenic(T)	---	0.02		
	Water Supply		D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS		
Qualifiers:			D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---		
Water + Fish Standards Apply			pH	6.5 - 9.0	---	Chromium III	---	TVS		
Other:			chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---		
Temporary Modification(s):			E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS		
Arsenic(chronic) = hybrid						Copper	TVS	TVS		
Expiration Date of 12/31/20242024			Inorganic (mg/L)			Iron	---	WS		
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.				acute	chronic	Iron(T)	---	1000		
			Ammonia	TVS	TVS	Lead	TVS	TVS		
			Boron	---	0.75	Lead(T)	50	---		
			Chloride	---	250	Manganese	TVS	TVS/WS		
			Chlorine	0.019	0.011	Mercury(T)	---	0.01		
			Cyanide	0.005	---	Molybdenum(T)	---	150		
			Nitrate	10	---	Nickel	TVS	TVS		
			Nitrite	0.05	---	Nickel(T)	---	100		
			Phosphorus	---	0.11	Selenium	TVS	TVS		
			Sulfate	---	WS	Silver	TVS	TVS(tr)		
			Sulfide	---	0.002	Uranium	varies*	varies*		
						Zinc	TVS	TVS		

9d. Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River.

COLCWH09D	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Water + Fish Standards Apply		pH	6.5 - 9.0	---	Chromium III	---	TVS
Other:		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid					Copper	TVS	TVS
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Iron	---	WS
		acute		chronic	Iron(T)	---	1000
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

10b. Mainstem of Big Beaver Creek, Miller Creek, and North Elk Creek, including their tributaries and wetlands, from their boundary with National Forest lands to their confluences with the White River. Mainstem of Coal Creek, including all tributaries and wetlands, from the source to the confluence with the White River.								
COLCWH10B	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---	
	Recreation P	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---	
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS	
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS	
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS	
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS	
		acute	chronic	Iron(T)	---	1000		
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Lead(T)	50	---	
		Chloride	---	250	Manganese	TVS	TVS/WS	
		Chlorine	0.019	0.011	Mercury(T)	---	0.01	
		Cyanide	0.005	---	Molybdenum(T)	---	150	
		Nitrate	10	---	Nickel	TVS	TVS	
		Nitrite	0.05	---	Nickel(T)	---	100	
		Phosphorus	---	0.11	Selenium	TVS	TVS	
		Sulfate	---	WS	Silver	TVS	TVS(tr)	
		Sulfide	---	0.002	Uranium	varies*	varies*	
					Zinc	TVS	TVS	
		12. Mainstem of the White River from a point immediately above the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek.						
		COLCWH12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic			
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---	
	Recreation E	acute	chronic	Arsenic(T)	---	0.02		
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS	
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---	
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III	---	TVS	
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---	
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS	
Expiration Date of 12/31/ 2024 2024		acute	chronic	Copper	TVS	TVS		
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury(T)	---	0.01	
		Nitrite	0.05	---	Molybdenum(T)	---	150	
		Phosphorus	---	---	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium	varies*	varies*	
					Zinc	TVS	TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

14a. Mainstem of Piceance Creek from the source to a point just below the confluence with Hunter Creek.							
COLCWH14A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
						Zinc	TVS

20. Mainstem of Black Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with Piceance Creek, except for the listing in Segment 19.							
COLCWH20	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
						Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

White River

21. Mainstem of the White River from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border.							
COLCWH21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	100
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic		Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
23. Mainstems of East Douglas Creek and West Douglas Creek, including all tributaries and wetlands, from their sources to their confluence.							
COLCWH23	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		acute	chronic		Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

1. Mainstem of the Colorado River from the confluence with the Roaring Fork River to immediately below the confluence with Rifle Creek.							
COLCLC01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details. *Temperature = See 37.6(4) for temperature standards.		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic	Iron	---	WS	
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	---	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
			Zinc	TVS	TVS		
2a. Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.							
COLCLC02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m ²)	---	---	Chromium III	---	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

2b. Mainstem of the Colorado River from a point immediately above the confluence with Rapid Creek to immediately above the confluence of the Gunnison River.							
COLCLC02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	---	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic	Copper	TVS	TVS	
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

4c. The mainstem of South Canyon Creek from the South Canyon Hot Springs to the confluence with the Colorado River.							
COLCLC04C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-III	WS-III	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other:		chlorophyll a (mg/m²)	---	150*	Chromium III	---	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024		acute	chronic	Copper	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4).		Ammonia	TVS	TVS	Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		Boron	---	0.75	Iron(T)	---	1000
*Uranium(chronic) = See 37.5(3) for details.		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

4e. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to immediately above the Last Chance Ditch.							
COLCLC04E	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation N	acute	chronic		Arsenic(T)	---	100
Qualifiers:		D.O. (mg/L)	---	5.0	Cadmium	TVS	SSE*
Other: Temporary Modification(s): Copper(ac/ch) = current conditions Expiration Date of 6/30/2021 *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Cadmium(chronic) = $e^{(0.7977 \cdot \ln(\text{hardness}) - 3.909)} \cdot (1.101672 - (\ln(\text{hardness}) \cdot 0.041838))$ *Iron(T)(chronic) = 3500(T) ug/L on unnamed tributary and 5900(T) ug/L on Dry Creek, see section 37.6(4)(c) for iron assessment locations. *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m²)	---	---	Chromium III(T)	---	100
		E. Coli (per 100 mL)	---	630	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron(T)	---	varies*
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury(T)	---	0.01
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	0.05	---	Silver	TVS	TVS
		Phosphorus	---	0.11*	Uranium	varies*	varies*
		Sulfate	---	---	Zinc	TVS	TVS
Sulfide	---	0.002					
5. All tributaries to the Colorado River, including wetlands, which are within the boundaries of White River National Forest, except for listings in Segments 9a, 9c, and 12c.							
COLCLC05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic		Iron(T)	---	1000
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
Sulfate	---	WS	Silver	TVS	TVS(tr)		
Sulfide	---	0.002	Uranium	varies*	varies*		
			Zinc	TVS	TVS		

5. All tributaries to the Colorado River, including wetlands, which are within the boundaries of White River National Forest, except for listings in Segments 9a, 9c, and 12c.							
COLCLC05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

7a. Mainstem of Mitchell, Canyon, Elk, Garfield, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River.							
COLCLC07A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
7b. Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.							
COLCLC07B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		Inorganic (mg/L)		Iron	---	WS	
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

10. West Rifle Creek, including all tributaries and wetlands, from the source to Rifle Gap Reservoir. East Rifle Creek, including all tributaries and wetlands, from the White River National Forest boundary to Rifle Gap Reservoir. Rifle Creek, including all tributaries and wetlands, from Rifle Gap Reservoir to the confluence with the Colorado River.							
COLCLC10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS
11c. Mainstem of Parachute Creek from the confluence of the West and East Forks to the confluence with the Colorado River. All tributaries and wetlands to Parachute Creek on the west side of Parachute Creek from the confluence of the East and West Forks to the confluence with the Colorado River.							
COLCLC11C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

14b. Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek.

COLCLC14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	---	TVS
		chlorophyll a (mg/m ²)	---	150	Chromium III(T)	50	---
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
		acute	chronic		Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury(T)	---	0.01
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	0.05	---	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	varies*	varies*
					Zinc	TVS	TVS

14c. Mainstem of Roan Creek, including all tributaries and wetlands, from a point immediately below the confluence with Kimball Creek to the confluence with the Colorado River.

COLCLC14C	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details.		chlorophyll a (mg/m ²)	---	150	Chromium III	---	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury(T)	---	0.01
		Nitrite	0.05	---	Molybdenum(T)	---	150
		Phosphorus	---	0.17	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

15a. Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.

COLCLC15A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ 2024 2024					Copper	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 37.5(4).		Inorganic (mg/L)			Iron	---	WS
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).		acute	chronic		Iron(T)	---	1000
*Uranium(acute) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
*Uranium(chronic) = See 37.5(3) for details.		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

15b. All tributaries and wetlands to Buzzard Creek from the Grand Mesa National Forest boundary to the confluence with Plateau Creek.

COLCLC15B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation E	acute		chronic	Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
*Uranium(acute) = See 37.5(3) for details.		acute		chronic	Iron(T)	---	1000
*Uranium(chronic) = See 37.5(3) for details.		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

15c. Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.					
COLCLC15C	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) ---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/ 2021 2024					Copper TVS TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 37.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 37.5(4). *Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details. *Temperature = DM=15.7 and MWAT=11.2 from 10/1-10/31 DM=14.1 and MWAT=CS-II from 11/1-3/31 DM=27.3 and MWAT=21.6 from 4/1-9/30		Inorganic (mg/L)		Iron --- WS	
		acute	chronic	Iron(T) ---	1000
		Ammonia	TVS	TVS	Lead TVS TVS
		Boron	---	0.75	Lead(T) 50 ---
		Chloride	---	250	Manganese TVS TVS/WS
		Chlorine	0.019	0.011	Mercury(T) --- 0.01
		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	0.05	---	Nickel(T) --- 100
		Phosphorus	---	0.11*	Selenium TVS TVS
		Sulfate	---	WS	Silver TVS TVS(tr)
		Sulfide	---	0.002	Uranium varies* varies*
					Zinc TVS TVS
15d. Mainstem of Buzzard Creek from the Grand Mesa National Forest boundary to its confluence with Plateau Creek.					
COLCLC15D	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) ---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium TVS(tr) TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T) 5.0 ---
Other:		pH	6.5 - 9.0	---	Chromium III --- TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Chromium III(T) 50 ---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI TVS TVS
Expiration Date of 12/31/ 2021 2024					Copper TVS TVS
*Uranium(acute) = See 37.5(3) for details. *Uranium(chronic) = See 37.5(3) for details. *Temperature = DM=CS-II and MWAT=CS-II from 11/1-3/31 DM=25.1 and MWAT=18.9 from 4/1-10/31		Inorganic (mg/L)		Iron --- WS	
		acute	chronic	Iron(T) ---	1000
		Ammonia	TVS	TVS	Lead TVS TVS
		Boron	---	0.75	Lead(T) 50 ---
		Chloride	---	250	Manganese TVS TVS/WS
		Chlorine	0.019	0.011	Mercury(T) --- 0.01
		Cyanide	0.005	---	Molybdenum(T) --- 150
		Nitrate	10	---	Nickel TVS TVS
		Nitrite	0.05	---	Nickel(T) --- 100
		Phosphorus	---	0.11	Selenium TVS TVS
		Sulfate	---	WS	Silver TVS TVS(tr)
		Sulfide	---	0.002	Uranium varies* varies*
					Zinc TVS TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout
 sc = sculpin

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

16. Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding listings in segments 5, 15a and 21.

COLCLC16	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	varies*	varies*	Arsenic 340 ---
	Recreation E	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium TVS TVS	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T) 5.0 ---	
Other:		pH	6.5 - 9.0 ---	Chromium III --- TVS	
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150*	Chromium III(T) 50 ---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 126	Chromium VI TVS TVS	
Expiration Date of 12/31/ 2024 2024				Copper TVS TVS	
		Inorganic (mg/L)		Iron --- WS	
		acute	chronic	Iron(T) --- 1000	
		Ammonia	TVS TVS	Lead TVS TVS	
		Boron	--- 0.75	Lead(T) 50 ---	
		Chloride	--- 250	Manganese TVS TVS/WS	
		Chlorine	0.019 0.011	Mercury(T) --- 0.01	
		Cyanide	0.005 ---	Molybdenum(T) --- 150	
		Nitrate	10 ---	Nickel TVS TVS	
		Nitrite	0.05 ---	Nickel(T) --- 100	
		Phosphorus	--- 0.11*	Selenium TVS TVS	
		Sulfate	--- WS	Silver TVS TVS	
		Sulfide	--- 0.002	Uranium varies* varies*	
				Zinc TVS TVS	

17a. Rapid Creek, including all tributaries and wetlands, from its source to below the confluence with Cottonwood Creek (39.130512, -108.301028), including Kruzen Springs.

COLCLC17A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-II CS-II	Arsenic 340 ---	
	Recreation P	acute	chronic	Arsenic(T) --- 0.02	
	Water Supply	D.O. (mg/L)	--- 6.0	Cadmium TVS(tr) TVS	
Qualifiers:		D.O. (spawning)	--- 7.0	Cadmium(T) 5.0 ---	
Other:		pH	6.5 - 9.0 ---	Chromium III --- TVS	
Temporary Modification(s):		chlorophyll a (mg/m ²)	--- 150	Chromium III(T) 50 ---	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	--- 205	Chromium VI TVS TVS	
Expiration Date of 12/31/ 2024 2024				Copper TVS TVS	
		Inorganic (mg/L)		Iron --- WS	
		acute	chronic	Iron(T) --- 1000	
		Ammonia	TVS TVS	Lead TVS TVS	
		Boron	--- 0.75	Lead(T) 50 ---	
		Chloride	--- 250	Manganese TVS TVS/WS	
		Chlorine	0.019 0.011	Mercury(T) --- 0.01	
		Cyanide	0.005 ---	Molybdenum(T) --- 150	
		Nitrate	10 ---	Nickel TVS TVS	
		Nitrite	0.05 ---	Nickel(T) --- 100	
		Phosphorus	--- 0.11	Selenium TVS TVS	
		Sulfate	--- WS	Silver TVS TVS(tr)	
		Sulfide	--- 0.002	Uranium varies* varies*	
				Zinc TVS TVS	

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower Colorado River

17b. Rapid Creek, including all tributaries and wetlands, from below the confluence with Cottonwood Creek (39.130512, -108.301028) to the confluence with the Colorado River.							
COLCLC17B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Lead(T)	50	---
		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nicel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

18. Mainstem of Little Dolores River, including all tributaries and wetlands, from its source to immediately below the confluence with Hay Press Creek.							
COLCLC18	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	varies*	varies*	Arsenic	340	---
	Recreation P	acute	chronic	Arsenic(T)	---	0.02	
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	205	Chromium VI	TVS	TVS
Expiration Date of 12/31/20242024					Copper	TVS	TVS
*Uranium(acute) = See 37.5(3) for details.		Inorganic (mg/L)			Iron	---	WS
*Uranium(chronic) = See 37.5(3) for details.		acute	chronic	Iron(T)	---	1000	
*Temperature =		Ammonia	TVS	TVS	Lead	TVS	TVS
DM=13.9 and MWAT=CS-I from 10/1-4/30		Boron	---	0.75	Lead(T)	50	---
DM=24.4 and MWAT=CS-I from 5/1-9/30		Chloride	---	250	Manganese	TVS	TVS/WS
		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	150
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 37.6 for further details on applied standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

EXHIBIT 7
WATER QUALITY CONTROL DIVISION

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 38 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SOUTH PLATTE RIVER BASIN, LARAMIE RIVER BASIN, REPUBLICAN RIVER BASIN, SMOKY HILL RIVER BASIN

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[Editor's Notes follow the text of the rules at the end of this CCR Document.]

38.6 TABLES

(2) Abbreviations:

(c) Temporary Modification for Water + Fish Chronic Arsenic Standard

- (i) The temporary modification for chronic arsenic standards applied to segments with an arsenic standard of 0.02 µg/l that has been set to protect the Water+Fish qualifier is listed in the temporary modification and qualifiers column as As(ch)=hybrid.
- (ii) For discharges existing on or before 6/1/2013, the temporary modification is: As(ch)=current condition, expiring on 12/31/~~2021~~2024. Where a permit for an existing discharge is reissued or modified while the temporary modification is in effect, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent.
- (iii) For new or increased discharges commencing on or after 6/1/2013, the temporary modification is: As(ch)=0.02-3.0 µg/l (Trec), expiring on 12/31/~~2021~~2024.
 - (a) The first number in the range is the health-based water quality standard previously adopted by the Commission for the segment.
 - (b) The second number in the range is a technology based value established by the Commission for the purpose of this temporary modification.
 - (c) Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range.

38.99 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020; EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Pursuant to the requirements in the Basic Standards (at 31.7(3)), the commission reviewed the status of temporary modifications scheduled to expire before December 31, 2021 to determine whether the temporary modifications should be modified, eliminated, or extended.

For the temporary modifications set to expire after the effective date of this hearing, the commission reviewed progress toward resolving the uncertainty in the underlying standard and/or the extent to which conditions are a result of natural or anthropogenic conditions, and evaluated whether the temporary modifications were still necessary.

A. Temporary Modifications for Standards Other than Arsenic

The commission took no action on the following temporary modifications:

Upper South Platte Segment 15 (COSPUS15): temporary modifications of the chronic chloride, chronic sulfate, and acute and chronic temperature standards (expire 12/31/2020). Public Service Company of Colorado continues to make progress to resolve the uncertainty in the chloride and sulfate standards. Metro Wastewater Reclamation District continues to make progress to resolve the uncertainty in the temperature standard and is working to develop a proposal for a discharger specific variance in the June 2020 rulemaking hearing. The commission made no change to the expiration dates, as the original time allotment was deemed adequate to resolve the uncertainty.

Upper South Platte Segment 16g (COSPUS16g): temporary modification of the acute and chronic temperature standards, 12/1 to 2/29 (expires 12/31/2020). Centennial continues to make progress to resolve the uncertainty in the temperature standard. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

Clear Creek Segment 13b (COSPCL13b): temporary modification of the acute and chronic temperature standards (expires 12/30/2020). City of Black Hawk / Black Hawk Central City Sanitation District continues to make progress to resolve the uncertainty and to investigate what level of temperature reduction is technologically feasible to achieve. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

St. Vrain segments 6 and 7 (COSPSV06 and COSPSV07): temporary modifications of the chronic iron and acute and chronic manganese standards (expire 12/31/2020). Raytheon Boulder continues to make progress to resolve the uncertainty and is working to develop a proposal for site-specific standards in the June 2020 rulemaking hearing. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

Big Thompson River Segment 9 (COSPBT09): temporary modification of the chronic selenium standard (expires 12/31/2020). The Town of Milliken continues to make progress to resolve the

uncertainty. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

The commission modified the temporary modifications on the following segment:

Upper South Platte Segment 10a (COSPUS10a): temporary modification of the acute and chronic temperature standards, 12/1 to 2/29 (expires 12/31/2020). Plum Creek Water Reclamation Authority continues to make progress to resolve the uncertainty. The commission retained the Maximum Weekly Average Temperature temporary modification, but deleted the Daily Maximum (DM) temporary modification because instream temperature data show that the underlying Warm Stream Tier I (WS-I) DM temperature standard is being attained. The commission made no change to the expiration date, as the original time allotment was deemed adequate to resolve the uncertainty.

The commission deleted the temporary modifications on the following segments:

Upper South Platte Segment 14 (COSPUS14): temporary modification of the chronic chloride standard (expires 12/31/2020). The commission deleted this temporary modification because instream chloride data show that the underlying chloride standard is being attained.

Upper South Platte Segment 14 (COSPUS14): temporary modification of the acute and chronic temperature standards, 12/1 to 2/13 (expire 12/31/2020). The commission deleted this temporary modification because instream temperature data show that the underlying WS-I temperature standards are being attained.

Bear Creek Segment 1c (COSPBE01c): temporary modifications of the chronic chlorophyll a and phosphorus standards (12/31/2020). The commission deleted these temporary modifications because progress was not being made on the plan to resolve uncertainty and there are no existing permitted dischargers with demonstrated or predicted compliance problems for these parameters.

Boulder Creek Segment 9 (COSPBO09): temporary modification of the acute and chronic temperature standards, 12/1 to 2/29 (expires 12/31/2020). The commission deleted this temporary modification because instream temperature data show that the underlying Warm Stream Tier II (WS-II) temperature standards are being attained.

Cache la Poudre River Segment 11 (COSPCP11): temporary modification of the acute and chronic temperature standards, 12/1 to 2/29 (expires 12/31/2020). The commission deleted this temporary modification because instream temperature data show that the underlying WS-I temperature standards are being attained.

Cache la Poudre River Segment 12 (COSPCP12): temporary modification of the acute and chronic temperature standards (expires 12/31/2020). The commission deleted this temporary modification because instream temperature data show that the underlying WS-I temperature standards are being attained.

The commission took no action on temporary modifications that were set to expire on or before the effective date of this hearing. The commission deleted the following temporary modifications, which were allowed to expire:

Clear Creek segment 2a (acute and chronic zinc)
Clear Creek segment 2c (chronic copper and chronic cadmium)

B. Temporary Modifications for Arsenic

The temporary modification of the chronic arsenic standard, which applies to numerous segments with a standard of 0.02 µg/l to protect the Water + Fish use, was extended from 12/31/2021 to 12/31/2024. No changes were made to the temporary modification operative values at 38.6(2)(c). For discharges existing on or before 6/1/2013, the temporary modification remains at As(ch)=current condition. For new or increased discharges that commence on or after 6/1/2013, the temporary modification remains at 0.02–3.0 µg/L (total recoverable). The extension provides time to resolve the uncertainty in the underlying standard for arsenic to protect human health. Significant uncertainty remains regarding the appropriate standard to protect the use and the extent to which ambient levels of arsenic are the result of natural or irreversible conditions. In addition, there is widespread instream non-attainment of the underlying standard and predicted or demonstrated compliance problems with permit limits based on the underlying standard, as demonstrated in the division's Prehearing Statement (*to be determined*).

It is anticipated that the uncertainty regarding the appropriate underlying standard for arsenic to protect human health will be resolved by June 2024, with the adoption of new statewide arsenic use-based standards. The division presented [division's Prehearing Statement (*to be determined*)] a detailed plan to resolve the multifaceted uncertainty for arsenic. The plan includes conducting a field study to investigate the proportion of inorganic (versus total) arsenic in the tissue of fish collected from Colorado waters, deriving a bioaccumulation or bioconcentration factor for arsenic, appropriate for use in Colorado, and characterizing ambient levels of arsenic in surface waters and groundwater statewide. As discussed below, the division will also be gathering, through permit requirements, targeted data from facilities benefiting from the arsenic temporary modification. These data will help the division to better understand the contribution of arsenic in effluent from permitted facilities to ambient levels of arsenic in Colorado waters and will inform the extent to which ambient levels of arsenic are the result of natural or irreversible conditions.

Effluent arsenic concentration data from facilities throughout the state demonstrate that many facilities will likely have issues meeting effluent limits based on the anticipated revised arsenic water quality standard to protect human health. As a result, there is a widespread need to make progress to understand sources of arsenic and options for source control and treatment. To ensure such progress is made, when implementing the "current condition" temporary modification in permits, the division will include additional permit Terms and Conditions, which may include requirements for additional monitoring, source identification, and characterization of source control and treatment options for reducing arsenic concentrations in effluent. Under the duration of the temporary modification, facilities would not be required to implement facility improvements to meet a specified effluent limit; however, facilities may be required to evaluate arsenic source control and treatment options for their facility. For purposes of evaluating options to reduce arsenic concentrations in effluent, the arsenic treatment removal recognized in the 2013 Arsenic Rulemaking (3 µg/L) can be used as a point of reference until the uncertainty in the underlying standard is resolved. Implementation guidance for these requirements was included in the division's Prehearing Statement Exhibit (*to be determined*). These requirements are reasonable and would not cause undue economic burden for facilities, but will ensure that progress is being made toward future attainment of the underlying standards and protection of the classified uses. Implementation of these requirements would function to increase the amount of time facilities would have for long-term planning and encourage data collection that would facilitate implementation of the most appropriate source reduction and treatment options and selection of the most appropriate regulatory pathways once the new underlying standard is adopted for arsenic.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-38

**REGULATION NO. 38
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
SOUTH PLATTE RIVER BASIN, LARAMIE RIVER BASIN
REPUBLICAN RIVER BASIN, SMOKY HILL RIVER BASIN**

**APPENDIX 38-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~06/30/2020~~ 06/30/2019

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

1a. Mainstem of the South Platte River from the source of the South and Middle Forks to the inlet of Cheesman Reservoir.							
COSPUS01A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I*	CS-I*	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium III(T)	50	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Temperature = summer criteria apply from 4/1-10/31		Inorganic (mg/L)			Chromium VI	TVS	
		acute chronic			Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

2a. All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for specific listings in Segment 1b, 2b and 2c.							
COSPUS02A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute chronic			
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium III(T)	50	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS	
		acute chronic			Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

2b. Mainstem of Mosquito Creek from the confluence with South Mosquito Creek to its confluence with the Middle Fork of the South Platte River.						
COSPUS02B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	50
					Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	220
2c. South Mosquito Creek from the source to confluence with Mosquito Creek and No Name Creek from the source to the confluence with South Mosquito Creek.						
COSPUS02C	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	50
					Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	1000
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	280

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

3. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with Tarryall Creek to a point immediately above the confluence with the North Fork of the South Platte River, except for specific listings in Segment 1b.

COSPUS03	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/ 2024 2024			126	Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
			0.002	Silver	TVS
				Uranium	---
				Zinc	TVS

4. Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from the source to the confluence with the South Platte River, except for specific listings in Segments 1b, 5a, 5b, and 5c.

COSPUS04	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Water Supply	DM	MWAT	acute	chronic
Reviewable	Agriculture	Temperature °C	CS-I	Aluminum	---
	Aq Life Cold 1	acute	chronic	Arsenic	340
	Recreation E	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/ 2024 2024			126	Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
			0.002	Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

5b. Mainstem of Geneva Creek from the confluence with Scott Gomer Creek to the confluence with the North Fork of the South Platte River; all tributaries of Geneva Creek including wetlands from source to confluence with the North Fork of the South Platte River.

COSPUS05B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-I		CS-I	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02
Qualifiers:		D.O. (spawning)		---	---		---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH		6.5 - 9.0	---		---
		chlorophyll a (mg/m ²)		---	150		---
		E. Coli (per 100 mL)		---	126		---
		Inorganic (mg/L)			Chromium III(T)		---
		acute		chronic	Chromium VI		TVS
		Ammonia		TVS	Copper		TVS
		Boron		---	Iron		WS
		Chloride		---	Iron(T)		1000
		Chlorine		0.019	Lead		TVS
		Cyanide		0.005	Lead(T)		50
		Nitrate		10	Manganese		TVS
		Nitrite		---	Mercury		0.01(t)
		Phosphorus		---	Molybdenum(T)		150
		Sulfate		---	Nickel		TVS
		Sulfide		---	Nickel(T)		100
				0.002	Selenium		TVS
					Silver		TVS(tr)
					Uranium		---
					Zinc		TVS

6a. Mainstem of the South Platte River from the outlet of Cheesman Reservoir to the inlet of Chatfield Reservoir.

COSPUS06A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	CS-II		CS-II	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	---		6.0	---		0.02
Qualifiers:		D.O. (spawning)		---	---		---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH		6.5 - 9.0	---		---
		chlorophyll a (mg/m ²)		---	---		---
		E. Coli (per 100 mL)		---	126		---
		Inorganic (mg/L)			Chromium III(T)		---
		acute		chronic	Chromium VI		TVS
		Ammonia		TVS	Copper		TVS
		Boron		---	Iron		WS
		Chloride		---	Iron(T)		1000
		Chlorine		0.019	Lead		TVS
		Cyanide		0.005	Lead(T)		50
		Nitrate		10	Manganese		TVS
		Nitrite		---	Mercury		0.01(t)
		Phosphorus		---	Molybdenum(T)		150
		Sulfate		---	Nickel		TVS
		Sulfide		---	Nickel(T)		100
				0.002	Selenium		TVS
					Silver		TVS(tr)
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

8. Mainstems of East and West Plum Creek from the source to the boundary of National Forest lands, including all tributaries and wetlands within the Plum Creek drainage which are on National Forest Lands, except for the specific listing in Segment 9.

COSPUS08	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/ 2024 2024				Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	1000
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

10a. Mainstems of East Plum Creek, West Plum Creek, and Plum Creek from the boundary of National Forest lands to Chatfield Reservoir, mainstems of Stark Creek and Gove Creek from the boundary of National Forest lands to their confluence.

COSPUS10A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		pH	6.5 - 9.0	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)		Chromium III	---
Expiration Date of 12/31/ 2024 2024		acute	chronic	Chromium III(T)	50
temperature(DM/MWAT) = current condition*		Ammonia	TVS	Chromium VI	TVS
Expiration Date of 12/31/2020		Boron	---	Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Chloride	---	Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chlorine	0.019	Iron(T)	1000
*TempMod: temperature(12/1 - 2/29) = East Plum Creek and Plum Creek below the PCWRA discharge.		Cyanide	0.005	Lead	TVS
		Nitrate	10	Lead(T)	50
		Nitrite	---	Manganese	TVS
		Phosphorus	---	Mercury	---
		Sulfate	---	Molybdenum(T)	---
		Sulfide	---	Nickel	TVS
				Nickel(T)	100
				Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

12. Mainstem of Garber Creek and Jackson Creek from the boundary of National Forest lands to the confluence with West Plum Creek; mainstem of Bear Creek from the outlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir, to the confluence with West Plum Creek.

COSPUS12	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other:		chlorophyll a (mg/m²)	---	150	Cadmium	TVS	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

13. Mainstem of Deer Creek, including the North and South Forks, from the source to Chatfield Reservoir.

COSPUS13	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

14. Mainstem of the South Platte River from the outlet of Chatfield Reservoir to the Burlington Ditch diversion in Denver, Colorado.						
COSPUS14	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I*	WS-I*	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/ 2024 2024		acute	chronic		Chromium III(T)	50
Chloride(chronic) = current condition		Ammonia	TVS	TVS	Chromium VI	TVS
temperature(DM/MWAT) = current condition	12/1 - 2/13	Boron	---	0.75	Copper	---
Expiration Date of 12/31/2020		Chloride	---	250	Copper	TVS*
		Chlorine	0.019	0.011	Iron	---
*Copper(acute) = Copper BLM-based FMB		Cyanide	0.005	---	Iron(T)	---
Cu FMB(ac)=31.5 ug/l		Nitrate	10	---	Lead	TVS
downstream of Marcy Gulch.		Nitrite	---	0.5	Lead(T)	50
*Copper(chronic) = Copper BLM-based FMB		Phosphorus	---	---	Manganese	TVS
Cu FMB(ch)=20.8 ug/l		Sulfate	---	WS	Mercury	---
downstream of Marcy Gulch.		Sulfide	---	0.002	Molybdenum(T)	---
*Temperature = summer criteria apply from 2/14 - 11/30					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

15. Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado, to a point immediately below the confluence with Big Dry Creek.							
COSPUS15	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	varies*	varies*	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.0-9.0*	---	Beryllium	---	---
Other: Temporary Modification(s): Chloride(chronic) = current condition Sulfate(chronic) = current condition temperature(DM/MWAT) = current condition Expiration Date of 12/31/2020 Discharger Specific Variance(s): Selenium(acute) = TVS: no limit Selenium(chronic) = TVS: 24 µg/L Expiration Date of 12/31/2023 *Ammonia(acute) = See attached table for site-specific standards. *Ammonia(chronic) = See attached table for site-specific standards. *Copper(acute) = Copper BLM-based FMB Cu FMB(ac)=35.1 ug/l Downstream of the Metro Hite WWTF outfall. *Copper(chronic) = Copper BLM-based FMB Cu FMB(ch)= 23.5 ug/l Downstream of the Metro Hite WWTF outfall. *D.O. (mg/L)(acute) = See attached table for site-specific standards. *D.O. (mg/L)(chronic) = See attached table for site-specific standards. *pH(acute) = 6.0 - 9.0 from 64th Ave. downstream 2 miles *Variance: Selenium = see 38.6(6) for details.		pH	6.5 - 9.0	---	Cadmium	TVS	TVS
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	---	TVS*
		Ammonia	TVS*	TVS*	Copper	TVS*	---
		Boron	---	0.75	Iron	---	WS
		Chloride	---	250	Iron(T)	---	1000
		Chlorine	0.019	0.011	Lead	TVS	TVS
		Cyanide	0.005	---	Lead(T)	50	---
		Nitrate	10	---	Manganese	TVS	TVS/400
		Nitrite	---	1.0	Mercury	---	0.01(t)
		Phosphorus	---	---	Molybdenum(T)	---	150
		Sulfate	---	WS	Nickel	TVS	TVS
		Sulfide	---	0.002	Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

16b. Aurora Reservoir.						
COSPUS16B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---
Arsenic(chronic) = hybrid		acute	chronic		Chromium III(T)	50
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
16g. Marcy Gulch, including all wetlands from the source to the confluence with the South Platte.						
COSPUS16G	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Other:		pH	6.5 - 9.0	---	Beryllium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
temperature(DM/MWAT) = current		E. Coli (per 100 mL)	---	126	Chromium III	TVS
condition*		Inorganic (mg/L)			Chromium III(T)	---
Expiration Date of 12/31/2020		acute	chronic		Chromium VI	TVS
*Copper(acute) = Copper BLM-based FMB		Ammonia	TVS	TVS	Copper	---
Cu FMB(ac)=67.1 ug/l		Boron	---	0.75	Copper	TVS*
below the Centennial WWTF.		Chloride	---	---	Iron(T)	---
*Copper(chronic) = Copper BLM-based FMB		Chlorine	0.019	0.011	Lead	TVS
Cu FMB(ch)=43.3 ug/l		Cyanide	0.005	---	Manganese	TVS
below the Centennial WWTF.		Nitrate	100	---	Mercury	---
*Selenium(acute) = See section 38.6(4)(b) for		Nitrite	---	0.5	Molybdenum(T)	---
assessment locations.		Phosphorus	---	---	Nickel	TVS
Selenium(chronic) = See section 38.6(4)(b) for		Sulfate	---	---	Selenium	21
assessment locations.		Sulfide	---	0.002	Silver	TVS
*TempMod: temperature(12/1 - 2/29) = downstream					Uranium	---
of Centennial WWTF					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

19. Lakes and reservoirs in the South Platte River system from headwaters to Chatfield Reservoir, except for specific listings in Segment 18. Includes Antero, Spinney Mountain, Elevenmile, Cheesman, and Strontia Springs.									
COSPUS19	Classifications	Physical and Biological				Metals (ug/L)			
Designation	Agriculture			DM	MWAT			acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	3/1 - 12/31	CLL*	25.0*	Aluminum	---	---	
	Recreation E	Temperature °C	4/1 - 12/31	CLL*	19.6*	Arsenic	340	---	
	Water Supply	Temperature °C	4/1 - 12/31	CLL*	19.8* B	Arsenic(T)	---	0.02	
	DUWS*	Temperature °C	4/1 - 12/31	CLL*	20.2*	Beryllium	---	---	
Qualifiers:		Temperature °C	4/1 - 12/31	CLL*	21.9*	Cadmium	TVS(tr)	TVS	
Other:		Temperature °C	4/1 - 12/31	CLL*	22.6*	Cadmium(T)	5.0	---	
		Temperature °C		CL,CLL	CL,CLL	Chromium III	---	TVS	
				acute	chronic	Chromium III(T)	50	---	
Temporary Modification(s):		D.O. (mg/L)		---	6.0	Chromium VI	TVS	TVS	
Arsenic(chronic) = hybrid		D.O. (spawning)		---	7.0	Copper	TVS	TVS	
Expiration Date of 12/31/ 2024 2024		pH		6.5 - 9.0	---	Iron	---	WS	
*chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Strontia Springs only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Temperature(3/1 - 12/31) = Platte Canyon Res (MWAT=25.0) *Temperature(4/1 - 12/31) = Antero Reservoir (MWAT=19.6) *Temperature(4/1 - 12/31) = Elevenmile Reservoir (MWAT=19.8) *Temperature(4/1 - 12/31) = Spinney Mt Reservoir (MWAT=20.2) *Temperature(4/1 - 12/31) = Cheesman Reservoir (MWAT=21.9) *Temperature(4/1 - 12/31) = Strontia Springs Res (MWAT=22.6)		chlorophyll a (ug/L)		---	8*	Iron(T)	---	1000	
		E. Coli (per 100 mL)		---	126	Lead	TVS	TVS	
						Lead(T)	50	---	
		Inorganic (mg/L)				Manganese	TVS	TVS/WS	
				acute	chronic	Mercury	---	0.01(t)	
		Ammonia		TVS	TVS	Molybdenum(T)	---	150	
		Boron		---	0.75	Nickel	TVS	TVS	
		Chloride		---	250	Nickel(T)	---	100	
		Chlorine		0.019	0.011	Selenium	TVS	TVS	
		Cyanide		0.005	---	Silver	TVS	TVS(tr)	
		Nitrate		10	---	Uranium	---	---	
		Nitrite		---	0.05	Zinc	TVS	TVS	
		Phosphorus		---	0.025*				
		Sulfate		---	WS				
		Sulfide		---	0.002				

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper South Platte River Basin

22a. Lakes and reservoirs in watersheds tributary to the South Platte River from the outlet of Chatfield Reservoir to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16b, 17a, 17b, 17c, 22b, and 23.					
COSPUS22A	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Reviewable	Agriculture				
	Aq Life Warm 2	Temperature °C	WL WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340 ---
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	---
Qualifiers: Water + Fish Standards Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *Classification: DUWS applies to McLellan and Quincy only. *Molybdenum(T)(chronic) = 210 ug/L for McLellan Reservoir	DUWS*	pH	6.5 - 9.0 ---	Beryllium	---
		chlorophyll a (ug/L)	---	Cadmium	TVS TVS
		E. Coli (per 100 mL)	---	Cadmium(T)	5.0 ---
		Inorganic (mg/L)		Chromium III	---
		acute	chronic	Chromium III(T)	50 ---
		Ammonia	TVS TVS	Chromium VI	TVS TVS
		Boron	---	Copper	TVS TVS
		Chloride	---	Iron	---
		Chlorine	0.019 0.011	Iron(T)	---
		Cyanide	0.005 ---	Lead	TVS TVS
		Nitrate	10 ---	Lead(T)	50 ---
		Nitrite	---	Manganese	TVS TVS/WS
		Phosphorus	---	Mercury	---
		Sulfate	---	Molybdenum(T)	---
		Sulfide	---	Molybdenum(T)	---
				Nickel	TVS TVS
				Nickel(T)	---
				Selenium	TVS TVS
				Silver	TVS TVS
				Uranium	---
				Zinc	TVS TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

UPPER SOUTH PLATTE RIVER SEGMENT 15

Site-Specific Minimum Dissolved Oxygen and Ammonia Standards

UNDERLYING STANDARDS

Dissolved Oxygen

Early Life Stage Protection Period (April 1 through July 31)

1-Day^{1,5,6} 3.0 mg/L (acute)

7-Day Average^{1,2,4} 5.0 mg/L

Older Life Stage Protection Period (August 1 through March 31)

1-Day^{1,5} 2.0 mg/L (acute)

7-Day Mean of Minimums^{1,3} 2.5 mg/L

30-Day Average^{1,2} 4.5 mg/L

TEMPORARY MODIFICATION

During the period until October 31, 2001, the Segment 15 dissolved oxygen standards from 88th Avenue north to the end of the Segment shall be the currently existing ambient conditions as monitored in 1992, 1993, and 1994 by the Division and by the Metro District. Beginning November 1, 2001, the standards shall apply to all sections of Segment 15 south of the Brighton Ditch diversion. The standards north of the Brighton Ditch diversion shall continue to be the ambient conditions existing in 1992, 1993, and 1994. Beginning November 1, 2004, the standards shall apply to all sections of Segment 15.

Refer to Section 38(6)(4)(c) for Dissolved Oxygen assessment locations.

Footnotes

1. For the purposes of determining compliance with the standards, dissolved oxygen measurements shall only be taken in the flowing portion of the stream at mid-depth, and at least six inches above the bottom of the channel. All sampling protocols and test procedures shall be in accordance with procedures and protocols approved by the Division.
2. A minimum of four independent daily means must be used to calculate the average for the 7-Day Average standard. A minimum of eight independent daily means must be used to calculate the

average for the 30-Day Average standard. The four days and the eight days must be representative of the 7-Day and the 30-Day periods respectively. The daily means shall be the mean of the daily high and low values. In calculating the mean values, the dissolved oxygen saturation value shall be used in place of any dissolved oxygen measurements which exceed saturation.

3. The 7-Day Mean minimum is the average of the daily minimums measured at the location on each day during any 7-Day period.
4. North of the Lupton Bottoms Ditch diversion, the ELS 7-Day average standards for the period July 1 – June 31 shall be 4.6 mg/L.
5. During a 24 hour day dissolved oxygen levels are likely to be lower during the nighttime when there is no photosynthesis. The dissolved oxygen levels should not drop below the acute standard (ELS acute standard of 3.0 mg/L or the OLS standards of 2.0 mg/L). However, if during the ELS period multiple measurements are below 3.0 mg/L during the same nighttime period, the multiple measurements shall be considered a single exceedance of the acute standard. For measurements below 2.0 mg/L during either the ELS or the OLS periods, each hourly measurement below 2.0 mg/L shall be considered an exceedance of the acute standards.
6. In July, the dissolved oxygen level in Segment 15 may be lower than the 3.0 mg/L acute standard for up to 14 exceedances in any one year and up to a total of 21 exceedances in three years before there is a determination that the acute dissolved oxygen standards is not being met. Exceedances shall be counted as described in Footnote 5.

Ammonia:

Early Life Stage Protection Period (April 1 through July 31)

Ammonia

Warm Water = (mg/l as N)Total

$$acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

$$chronic (Apr 1 - July 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$$

$$chronic (Aug 1 - Mar 31) = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$$

NH₃ = old TVS

Warm Water Acute = 0.62/FT/FP/2^(4 old) in mg/ (N)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cherry Creek Basin

2. Cherry Creek Reservoir.						
COSPCH02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (ug/L)	7/1 - 9/30	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2024			acute	chronic	Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

1a. Mainstem of Bear Creek from the boundary of the Mt. Evans Wilderness area to the inlet of Evergreen Lake.						
COSPBE01A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
Qualifiers:	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
		D.O. (spawning)	---	7.0	Beryllium	---
Other:	pH	6.5 - 9.0	---		Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):	E. Coli (per 100 mL)	---	---	126	Chromium III	---
					Chromium III(T)	50
Expiration Date of 12/31/2024		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

1b. Mainstem of Bear Creek from Harriman Ditch to the inlet of Bear Creek Reservoir.						
COSPBE01B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	11/1 - 3/31	CS-II	Aluminum	---
	Recreation E	Temperature °C	4/1 - 10/31	CS-II	Arsenic	340
Qualifiers:	Water Supply				Arsenic(T)	0.02
			acute	chronic	Beryllium	---
Water + Fish Standards	D.O. (mg/L)	---	---	6.0	Cadmium	TVS(tr)
		D.O. (spawning)	---	7.0	Cadmium(T)	5.0
Other:	pH	6.5 - 9.0	---		Chromium III	---
		chlorophyll a (mg/m ²)	---	---	Chromium III(T)	50
Temporary Modification(s):	E. Coli (per 100 mL)	---	---	126	Chromium VI	TVS
					Copper	TVS
Expiration Date of 12/31/2024		Inorganic (mg/L)			Iron	---
			acute	chronic	Iron(T)	---
		Ammonia	TVS	TVS	Lead	TVS
		Boron	---	0.75	Lead(T)	50
		Chloride	---	250	Manganese	TVS
		Chlorine	0.019	0.011	Mercury	---
		Cyanide	0.005	---	Molybdenum(T)	---
		Nitrate	10	---	Nickel	TVS
		Nitrite	---	0.05	Nickel(T)	---
		Phosphorus	---	---	Selenium	TVS
		Sulfate	---	WS	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

1c. Bear Creek Reservoir.											
COSPBE01C	Classifications		Physical and Biological				Metals (ug/L)				
Designation	Agriculture		DM		MWAT		acute		chronic		
Reviewable	Aq Life Cold 1		Temperature °C	1/1 - 3/31	CLL	CLL	Aluminum	---	---		
	Recreation E		Temperature °C	4/1 - 12/31	CLL	23.3	Arsenic	340	---		
	Water Supply						Arsenic(T)	---	0.02		
					acute	chronic	Beryllium	---	---		
Qualifiers:											
Other:			D.O. (mg/L)		---		6.0	Cadmium	TVS(tr)	TVS	
Temporary Modification(s):			D.O. (spawning)		---		7.0	Cadmium(T)	5.0	---	
Arsenic(chronic) = hybrid			pH		6.5 - 9.0		---	Chromium III	---	TVS	
Expiration Date of 12/31/20242024			chlorophyll a (ug/L)		7/1 - 9/30		---	12.2*	Chromium III(T)	50	---
chlorophyll a (ug/L)(chronic) = current condition			E. Coli (per 100 mL)		---		126	Chromium VI	TVS	TVS	
Phosphorus(chronic) = current condition							Copper	TVS	TVS		
Expiration Date of 12/31/2020			Inorganic (mg/L)				Iron	---	WS		
			acute		chronic		Iron(T)	---	1000		
*chlorophyll a (ug/L)(chronic) = mean concentration measured through collection of samples that are representative of the mixed layer during summer months (July, August, September) and with an exceedance frequency of once in five years.			Ammonia		TVS		TVS	Lead	TVS	TVS	
*Phosphorus(chronic) = mean concentration measured through collection of samples that are representative of the mixed layer during summer months (July, August, September) and with an exceedance frequency of once in five years.			Boron		---		0.75	Lead(T)	50	---	
			Chloride		---		250	Manganese	TVS	TVS/WS	
			Chlorine		0.019		0.011	Mercury	---	0.01(t)	
			Cyanide		0.005		---	Molybdenum(T)	---	150	
			Nitrate		10		---	Nickel	TVS	TVS	
			Nitrite		---		0.05	Nickel(T)	---	100	
			Phosphorus		7/1 - 9/30		---	22.2*	Selenium	TVS	TVS
			Sulfate		---		WS	Silver	TVS	TVS(tr)	
			Sulfide		---		0.002	Uranium	---	---	
							Zinc	TVS	TVS		
1e. Mainstem of Bear Creek from the outlet of Evergreen Lake to the Harriman Ditch.											
COSPBE01E	Classifications		Physical and Biological				Metals (ug/L)				
Designation	Agriculture		DM		MWAT		acute		chronic		
Reviewable	Aq Life Cold 1		Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---		
	Recreation E		Temperature °C	4/1 - 10/31	CS-II	19.3	Arsenic	340	---		
	Water Supply						Arsenic(T)	---	0.02		
					acute	chronic	Beryllium	---	---		
Qualifiers:											
Other:			D.O. (mg/L)		---		6.0	Cadmium	TVS(tr)	TVS	
Temporary Modification(s):			D.O. (spawning)		---		7.0	Cadmium(T)	5.0	---	
Arsenic(chronic) = hybrid			pH		6.5 - 9.0		---	Chromium III	---	TVS	
Expiration Date of 12/31/20242024			chlorophyll a (mg/m²)		---		---	Chromium III(T)	50	---	
			E. Coli (per 100 mL)		---		126	Chromium VI	TVS	TVS	
							Copper	TVS	TVS		
			Inorganic (mg/L)				Iron	---	WS		
			acute		chronic		Iron(T)	---	1000		
Ammonia			TVS		TVS		Lead	TVS	TVS		
Boron			---		0.75		Lead(T)	50	---		
Chloride			---		250		Manganese	TVS	TVS/WS		
Chlorine			0.019		0.011		Mercury	---	0.01(t)		
Cyanide			0.005		---		Molybdenum(T)	---	150		
Nitrate			10		---		Nickel	TVS	TVS		
Nitrite			---		0.05		Nickel(T)	---	100		
Phosphorus			---		---		Selenium	TVS	TVS		
Sulfate			---		WS		Silver	TVS	TVS(tr)		
Sulfide			---		0.002		Uranium	---	---		
							Zinc	TVS	TVS		

1e. Mainstem of Bear Creek from the outlet of Evergreen Lake to the Harriman Ditch.										
COSPBE01E	Classifications	Physical and Biological				Metals (ug/L)				
Designation	Agriculture	DM		MWAT		acute		chronic		
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/31	CS-II	CS-II	Aluminum	---	---		
	Recreation E	Temperature °C	4/1 - 10/31	CS-II	19.3	Arsenic	340	---		
	Water Supply					Arsenic(T)	---	0.02		
Qualifiers:		acute		chronic		Beryllium	---	---		
Other:		D.O. (mg/L)	---	6.0		Cadmium	TVS(tr)	TVS		
Temporary Modification(s):		D.O. (spawning)	---	7.0		Cadmium(T)	5.0	---		
Arsenic(chronic) = hybrid		pH	6.5 - 9.0	---		Chromium III	---	TVS		
Expiration Date of 12/31/ 2024 <u>2024</u>		chlorophyll a (mg/m²)	---	---		Chromium III(T)	50	---		
		E. Coli (per 100 mL)	---	126		Chromium VI	TVS	TVS		
						Copper	TVS	TVS		
		Inorganic (mg/L)				Iron	---	WS		
				acute	chronic		Iron(T)	---	1000	
		Ammonia	TVS	TVS		Lead	TVS	TVS		
		Boron	---	0.75		Lead(T)	50	---		
		Chloride	---	250		Manganese	TVS	TVS/WS		
		Chlorine	0.019	0.011		Mercury	---	0.01(t)		
		Cyanide	0.005	---		Molybdenum(T)	---	150		
		Nitrate	10	---		Nickel	TVS	TVS		
		Nitrite	---	0.05		Nickel(T)	---	100		
		Phosphorus	---	---		Selenium	TVS	TVS		
		Sulfate	---	WS		Silver	TVS	TVS(tr)		
		Sulfide	---	0.002		Uranium	---	---		
						Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

2. Mainstem of Bear Creek from the outlet of Bear Creek Reservoir to the confluence with the South Platte River.						
COSPBE02	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/ 2024 2024		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	1000
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

3. All tributaries to Bear Creek, including all wetlands, from the source to the outlet of Evergreen Lake. Except for specific listings in Segment 7.						
COSPBE03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Other:		pH	6.5 - 9.0	---	Cadmium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	TVS(tr)
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III	---
		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	---
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	TVS
		Chlorine	0.019	0.011	Iron	---
		Cyanide	0.005	---	Iron(T)	WS
		Nitrate	10	---	Iron(T)	1000
		Nitrite	---	0.05	Lead	TVS
		Phosphorus	---	0.11*	Lead(T)	TVS
		Sulfate	---	WS	Manganese	TVS
		Sulfide	---	0.002	Mercury	TVS/WS
					Mercury	0.01(t)
					Molybdenum(T)	---
					Nickel	150
					Nickel	TVS
					Nickel(T)	TVS
					Nickel(T)	---
					Selenium	100
					Selenium	TVS
					Silver	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

4a. All tributaries to Bear Creek, including all wetlands, from the outlet of Evergreen Lake to the confluence with the South Platte River, except for specific listings in Segments 5, 6a, and 6b.						
COSPBE04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)		Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
5. Swede, Kerr, Sawmill, Troublesome, and Cold Springs Gulches, and mainstem of Cub Creek from the source to the confluence with Bear Creek.						
COSPBE05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.05	Mercury	---
		Phosphorus	---	0.11*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

6a. Turkey Creek system, including all tributaries and wetlands, from the source to the inlet of Bear Creek Reservoir, except for specific listings in Segment 6b.						
COSPBE06A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/ 2021 2024		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

6b. Mainstem of North Turkey Creek, from the source to the confluence with Turkey Creek.						
COSPBE06B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2021 2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Bear Creek Basin

11. Lakes and reservoirs in the Bear Creek system from the outlet of Evergreen Lake to the confluence with the South Platte River, except as specified in Segments 1c, 10, and 12; includes Soda Lakes.

COSPBE11	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

1. Mainstem of Clear Creek, including all tributaries and wetlands, from the source to the I-70 bridge above Silver Plume.						
COSPCL01	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).
 *Designation: 9/30/00 Baseline does not apply
 *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

2a. Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.					
COSPCL02A	Classifications	Physical and Biological		Metals (ug/L)	
Designation		DM	MWAT	acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	126	Chromium III	TVS
Expiration Date of 12/31/2024				Chromium III(T)	50
Zinc(acute) = 586		Inorganic (mg/L)		Chromium VI	TVS
Zinc(chronic) = 353		acute	chronic	Copper	TVS
Expiration Date of 7/1/2020		Ammonia	TVS	Iron	WS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Boron	0.75	Iron(T)	1000
*Designation: 9/30/00 Baseline does not apply		Chloride	250	Lead	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chlorine	0.019	Lead(T)	50
*Zinc(acute) = 0.978e^(0.8537[ln(hardness)]+1.9467)		Cyanide	0.005	Manganese	TVS
*Zinc(chronic) = 0.986e^(0.8537[ln(hardness)]+1.8032)		Nitrate	10	Mercury	0.01(t)
		Nitrite	0.05	Molybdenum(T)	150
		Phosphorus	0.11*	Nickel	TVS
		Sulfate	WS	Nickel(T)	100
		Sulfide	0.002	Selenium	TVS
				Silver	TVS(tr)
				Uranium	---
				Zinc	SSE*
				Zinc	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

2b. Mainstem of Clear Creek, including all tributaries and wetlands, from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.

COSPCL02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

2c. Mainstem of Clear Creek, including all tributaries and wetlands, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10.					
COSPCL02C	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other:		pH	6.5 - 9.0	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	Chromium III	---
Expiration Date of 12/31/2024				Chromium III(T)	50
Cadmium(chronic) = current condition		Inorganic (mg/L)		Chromium VI	TVS
Copper(chronic) = current condition		acute	chronic	Copper	TVS
Expiration Date of 7/1/2020		Ammonia	TVS	Iron	---
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4).		Boron	---	Iron(T)	1000
*Designation: 9/30/00 Baseline does not apply		Chloride	---	Lead	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chlorine	0.019	Lead(T)	50
*Zinc(acute) = 0.978e ^{^(0.8537[ln(hardness)]+1.9467)}		Cyanide	0.005	Manganese	TVS
*Zinc(chronic) = 0.986e ^{^(0.8537[ln(hardness)]+1.8032)}		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	---
				Zinc	SSE*

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

3a. Mainstem of South Clear Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for the specific listings in Segments 3b and 19.						
COSPCL03A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	---
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
*Designation: 9/30/00 Baseline does not apply		Ammonia	TVS	TVS	Iron	WS
*Zinc(acute) = 0.978e^(0.8537[ln(hardness)]+1.9467)		Boron	---	0.75	Iron(T)	1000
*Zinc(chronic) =		Chloride	---	250	Lead	TVS
0.986e^(0.8537[ln(hardness)]+1.8032)		Chlorine	0.019	0.011	Lead(T)	---
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	150
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	100
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	SSE*
					Zinc	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

5. Mainstem of West Fork Clear Creek from the confluence with Woods Creek to the confluence with Clear Creek.

COSPCL05	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
		D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid					Chromium III(T)	50	---
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium VI	TVS	TVS
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Manganese(chronic) = 393 ug/L at the mouth of West Fork, and 1480 ug/L below Woods Creek, see section 38.6(4)(j) for manganese assessment locations. Chronic TVS applies throughout segment. *Zinc(acute) = $e^{(0.8404[\ln(\text{hardness})]+1.8810)}$ *Zinc(chronic) = $e^{(0.8404[\ln(\text{hardness})]+1.5127)}$			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	varies*
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	210
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

6. All tributaries to West Fork Clear Creek, including all wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segments 7a and 8.						
COSPCL06	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
*Designation: 9/30/00 Baseline does not apply		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS
						TVS
						TVS
						TVS
						TVS
						TVS
9a. Mainstem of Fall River, including all tributaries and wetlands, from the source to the confluence with Clear Creek.						
COSPCL09A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Other:		pH	6.5 - 9.0	---	Beryllium	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium	TVS(tr)
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Cadmium(T)	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III	5.0
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Designation: 9/30/00 Baseline does not apply *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium III(T)	---
		acute	chronic		Chromium VI	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	TVS
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	WS
		Nitrate	10	---	Lead(T)	1000
		Nitrite	---	0.05	Lead	TVS
		Phosphorus	---	0.11*	Lead(T)	TVS
		Sulfate	---	WS	Manganese	TVS
		Sulfide	---	0.002	Mercury	TVS/WS
					Mercury	---
					Molybdenum(T)	0.01(t)
					Molybdenum(T)	---
					Nickel	150
					Nickel	TVS
					Nickel(T)	TVS
					Nickel(T)	---
					Selenium	100
					Selenium	TVS
					Silver	TVS
					Silver	TVS(tr)
					Uranium	---
					Zinc	---
						TVS
						TVS

All metals are dissolved unless otherwise noted.

T = total recoverable

t = total

tr = trout

D.O. = dissolved oxygen

DM = daily maximum

MWAT = maximum weekly average temperature

See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

10. Mainstem of Chicago Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segment 19.							
COSPCL10	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4).		Ammonia	TVS	TVS	Iron	---	WS
*Designation: 9/30/00 Baseline does not apply		Boron	---	0.75	Iron(T)	---	1000
*Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

11. Mainstem of Clear Creek from a point just above the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado.

COSPCL11	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
UP	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
*Zinc(acute) = 0.978e ^{^(0.8537[ln(hardness)]+1.9467)} *Zinc(chronic) = 0.986e ^{^(0.8537[ln(hardness)]+1.8032)}		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	---	17
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	---	SSE*
					Zinc	SSE*	---

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

12b. Beaver Brook from the source to Highway 40.							
COSPCL12B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Beryllium	---	---
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(tr)	TVS
Other:		pH	6.5 - 9.0	---	Cadmium(T)	5.0	---
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Chromium III	---	TVS
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III(T)	50	---
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS
*Designation: 9/30/00 Baseline does not apply		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	WS
		Ammonia	TVS	TVS	Iron(T)	---	1000
		Boron	---	0.75	Lead	TVS	TVS
		Chloride	---	250	Lead(T)	50	---
		Chlorine	0.019	0.011	Manganese	TVS	TVS/WS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	10	---	Molybdenum(T)	---	150
		Nitrite	---	0.05	Nickel	TVS	TVS
		Phosphorus	---	0.11	Nickel(T)	---	100
		Sulfate	---	WS	Selenium	TVS	TVS
		Sulfide	---	0.002	Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		13a. Mainstem of North Clear Creek, including all tributaries and wetlands, from its source to its confluence with Chase Gulch, and Four Mile Gulch, including all tributaries and wetlands, from their sources to their confluence with North Clear Creek and Eureka Gulch, including all tributaries and wetlands, from its source to its confluence with Gregory Gulch.					
COSPCL13A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
*Designation: 9/30/00 Baseline does not apply		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

13b. Mainstem of North Clear Creek including all tributaries and wetlands from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.							
COSPCL13B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Cold 2	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
Qualifiers:		D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Other: Temporary Modification(s): temperature(DM/MWAT) = current condition Expiration Date of 12/31/2020 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		D.O. (spawning)	---	7.0	Beryllium	---	
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m²)	---	150*	Chromium III	TVS	TVS
		E. Coli (per 100 mL)	---	126	Chromium III(T)	---	100
					Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	---	64
		acute	chronic	Iron(T)	---	5400	
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum(T)	---	150
		Cyanide	0.005	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11*	Uranium	---	---
		Sulfate	---	---	Zinc	---	740
		Sulfide	---	0.002			
14b. Mainstem of Clear Creek from the Denver Water conduit #16 crossing to a point just below Youngfield Street in Wheat Ridge, Colorado.							
COSPCL14B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
		pH	6.5 - 9.0	---	Beryllium	---	
Qualifiers:		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
Water + Fish Standards Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/20242024 *Zinc(acute) = TVS x (times) the FWER (final water effect ratio). Expiration date of 12/31/20. *Zinc(chronic) = TVS x (times) the FWER (final water effect ratio). Expiration date of 12/31/20.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	244
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVSx1.57*	TVSx1.57*		

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

15. Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to the confluence with the South Platte River.						
COSPCL15	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1*	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/ 2024 2024		acute	chronic		Chromium III(T)	50
*Classification: Aquatic life warm 1 goal qualifier.		Ammonia	TVS	TVS	Chromium VI	TVS
*Zinc(acute) = TVS x (times) the FWER (final water effect ratio).		Boron	---	0.75	Copper	TVS
Expiration date of 12/31/20.		Chloride	---	250	Iron	---
*Zinc(chronic) = TVS x (times) the FWER (final water effect ratio).		Chlorine	0.019	0.011	Iron(T)	---
Expiration date of 12/31/20.		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVSx1.57*

17b. Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.						
COSPCL17B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation U	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	TVS(tr)
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	TVS
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/ 2024 2024		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	---
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	WS
		Cyanide	0.005	---	Lead	---
		Nitrate	10	---	Lead(T)	TVS
		Nitrite	---	0.05	Manganese	TVS
		Phosphorus	---	0.11	Mercury	TVS/WS
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	0.01(t)
					Nickel(T)	---
					Selenium	150
					Nickel	TVS
					Nickel(T)	TVS
					Silver	---
					Selenium	TVS
					Silver	TVS
					Uranium	TVS(tr)
					Zinc	---

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

21. Lakes and reservoirs in the Clear Creek system from sources to the Farmer's Highline Canal diversion in Golden, CO, except as specified in Segments 7b, 20, 22 and 25. Upper Long Lake.

COSPCL21	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable*	Aq Life Cold 1	Temperature °C	CL	CL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.025*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Clear Creek Basin

24. Lakes and reservoirs in the Clear Creek system from the Farmers Highline Canal diversion in Golden, Colorado to the confluence with the South Platte River, except for specific listings in Segments 17a, 21 and 23.						
COSPCL24	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation U				Arsenic	340
	Water Supply				Arsenic(T)	---
	DUWS*				Arsenic(T)	0.02
					Beryllium	---
Qualifiers:						
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2021 2024 *chlorophyll a (ug/L)(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area. *Classification: DUWS applies to Maple Grove Reservoir only. *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4), applies only to lakes and reservoirs larger than 25 acres surface area.		chlorophyll a (ug/L)	---	20*	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
					Chromium III	---
					Chromium III(T)	TVS
					Chromium VI	50
					Chromium VI	---
					Copper	TVS
					Copper	TVS
					Iron	---
					Iron	WS
					Iron(T)	---
					Iron(T)	1000
					Lead	TVS
					Lead	TVS
					Lead(T)	50
					Lead(T)	---
					Manganese	TVS
					Manganese	TVS/WS
					Mercury	---
					Mercury	0.01(t)
					Molybdenum(T)	---
					Molybdenum(T)	150
					Nickel	TVS
					Nickel	TVS
					Nickel(T)	---
					Nickel(T)	100
					Selenium	TVS
					Selenium	TVS
					Silver	TVS
					Silver	TVS
					Uranium	---
					Uranium	---
					Zinc	TVS
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Dry Creek Basin

2. Standley Lake.							
COSPB02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
	DUWS	pH	6.5 - 9.0	---	Beryllium	---	
Qualifiers:		chlorophyll a (ug/L)	---	4.0*	Cadmium	TVS	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> *chlorophyll a (ug/L)(chronic) = The trophic status of Standley Lake shall be maintained as mesotrophic as measured by a combination of common indicator parameters such as total phosphorus, chlorophyll a, secchi depth, and dissolved oxygen. Refer to Section 38.6(4)(e). *Uranium(T)(chronic) = 3(t) Picocuries/Liter. See attached table 2 for additional standards for segment 2.		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
		Inorganic (mg/L)			Chromium III	---	
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
			Silver	TVS	TVS		
			Uranium	---	---		
			Uranium(T)	---	3*		
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

1. All tributaries to Boulder Creek, including all wetlands, within the Indian Peaks and James Peak Wilderness Areas.

COSPBO01	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
OW	Aq Life Cold 1	Temperature °C	CS-I CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH	6.5 - 9.0	Cadmium	TVS(tr) TVS
		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50
				Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	---
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

2a. Mainstem of Boulder Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek, except for the specific listings in Segment 3.

COSPBO02A	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	Cadmium	TVS(tr) TVS
		chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	Chromium III	---
		Inorganic (mg/L)		Chromium III(T)	50
				Chromium VI	TVS
		acute	chronic	Copper	TVS
		Ammonia	TVS	Iron	---
		Boron	---	Iron(T)	---
		Chloride	---	Lead	TVS
		Chlorine	0.019	Lead(T)	50
		Cyanide	0.005	Manganese	TVS
		Nitrate	10	Mercury	---
		Nitrite	---	Molybdenum(T)	---
		Phosphorus	---	Nickel	TVS
		Sulfate	---	Nickel(T)	---
		Sulfide	---	Selenium	TVS
				Silver	TVS
				Uranium	---
				Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

2b. Mainstem of Boulder Creek, including all tributaries and wetlands, from a point immediately below the confluence with North Boulder Creek to a point immediately above the confluence with South Boulder Creek.							
COSPBO02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
		3. Mainstem of Middle Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.					
COSPBO03	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

4a. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Gross Reservoir except for specific listings in Segment 1.						
COSPBO04A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4b. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to South Boulder Road, except for specific listings in Segments 4c and 4d.						
COSPBO04B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

5. Mainstem of South Boulder Creek from South Boulder Road to the confluence with Boulder Creek.						
COSPBO05	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2024		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

7a. Mainstem of Coal Creek from Highway 93 to Highway 36 (Boulder Turnpike).						
COSPBO07A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2024		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	0.17	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

9. Mainstem of Boulder Creek from a point immediately above the confluence with South Boulder Creek to the confluence with Coal Creek.						
COSPBO09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2024		acute	chronic		Chromium III(T)	50
temperature(DM/MWAT) = current condition	12/1 - 2/29	Ammonia	TVS	TVS	Chromium VI	TVS
Expiration Date of 12/31/2020		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
10. Mainstem of Boulder Creek from the confluence with Coal Creek to the confluence with St. Vrain Creek.						
COSPBO10	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		Inorganic (mg/L)			Chromium III	---
Expiration Date of 12/31/2024		acute	chronic		Chromium III(T)	50
		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

14. All lakes and reservoirs tributary to Boulder Creek from the source to a point immediately above the South Boulder Creek confluence, except as specified in Segment 13. This segment includes Barker and Lakewood Reservoir.

COSPB014	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
	DUWS*	D.O. (spawning)	---	7.0	Beryllium	---	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other:		chlorophyll a (ug/L)	---	8*	Cadmium(T)	5.0	---
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Arsenic(chronic) = hybrid					Chromium III(T)	50	---
Expiration Date of 12/31/20242024					Chromium VI	TVS	TVS
					Copper	TVS	TVS
					Iron	---	WS
					Iron(T)	---	1000
					Lead	TVS	TVS
					Lead(T)	50	---
					Manganese	TVS	TVS/WS
					Mercury	---	0.01(t)
					Molybdenum(T)	---	150
					Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Boulder Creek Basin

17. All lakes and reservoirs tributary to Boulder Creek from a point immediately below the confluence with South Boulder Creek to the confluence with St. Vrain Creek, except as specified in Segments 15 and 16.						
COSPBO17	Classifications	Physical and Biological			Metals (ug/L)	
Designation	DUWS*	DM	MWAT		acute	chronic
Reviewable	Agriculture	Temperature °C	WL	WL	Aluminum	---
	Aq Life Warm 2				Arsenic	340
	Recreation E	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	Water Supply	pH	6.5 - 9.0	---	Arsenic(T)	0.02
Qualifiers:					Beryllium	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
					Chromium III	---
					Chromium III(T)	TVS
					Chromium VI	50
					Chromium VI	TVS
					Copper	TVS
					Copper	TVS
					Iron	---
					Iron	WS
					Iron(T)	---
					Iron(T)	1000
					Lead	TVS
					Lead	TVS
					Lead(T)	50
					Lead(T)	---
					Manganese	TVS
					Manganese	TVS/WS
					Mercury	---
					Mercury	0.01(t)
					Molybdenum(T)	---
					Molybdenum(T)	150
					Nickel	TVS
					Nickel	TVS
					Nickel(T)	---
					Nickel(T)	100
					Selenium	TVS
					Selenium	TVS
					Silver	TVS
					Silver	TVS
					Uranium	---
					Uranium	---
					Zinc	TVS
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

1. All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.

COSPSV01	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
OW	Aq Life Cold 1	Temperature °C	CS-I CS-I	Aluminum	---		
	Recreation E	acute	chronic	Arsenic	340		
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		pH	6.5 - 9.0	---	Cadmium	TVS(tr) TVS	
		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
						Chromium III(T)	50
						Chromium VI	TVS
						Copper	TVS
						Iron	---
						Iron(T)	---
						Lead	TVS
						Lead(T)	50
						Manganese	TVS
						Mercury	---
						Molybdenum(T)	---
						Nickel	TVS
						Nickel(T)	---
						Selenium	TVS
						Silver	TVS
						Uranium	---
						Zinc	TVS

2a. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park to the eastern boundary of Roosevelt National Forest.

COSPSV02A	Classifications	Physical and Biological			Metals (ug/L)			
Designation	Agriculture	DM		MWAT	acute		chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---	
	Recreation E	acute		chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024 *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS	
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---	
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS	
						Chromium III(T)	50	---
		Inorganic (mg/L)				Chromium VI	TVS	TVS
				acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS	
		Boron	---	0.75	Iron(T)	---	1000	
		Chloride	---	250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead(T)	50	---	
		Cyanide	0.005	---	Manganese	TVS	TVS/WS	
		Nitrate	10	---	Mercury	---	0.01(t)	
		Nitrite	---	0.05	Molybdenum(T)	---	150	
		Phosphorus	---	0.11*	Nickel	TVS	TVS	
		Sulfate	---	WS	Nickel(T)	---	100	
		Sulfide	---	0.002	Selenium	TVS	TVS	
						Silver	TVS	TVS(tr)
						Uranium	---	---
						Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

2b. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the eastern boundary of Roosevelt National Forest to Hygiene Road.						
COSPSV02B	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11*	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

4a. Mainstem of Left Hand Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with James Creek, except for specific listings in Segment 4b.						
COSPSV04A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50
		Inorganic (mg/L)		Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

4b. Mainstem of James Creek, including all tributaries and wetlands, from the source to the confluence with Left Hand Creek.							
COSPSV04B		Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

4c. Mainstem of Left Hand Creek, including all tributaries and wetlands, from a point immediately below the confluence with James Creek to Highway 36.							
COSPSV04C		Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

6. All tributaries to St. Vrain Creek, including wetlands from Hygiene Road to the confluence with the South Platte River, except for specific listings in the Boulder Creek subbasin and in Segments 4a, 4b, 4c and 5.

COSPSV06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	WS-II		WS-II	---		---
	Recreation E	acute		chronic	340		---
Qualifiers:		D.O. (mg/L)	---	5.0	Arsenic(T)	---	100
Other:		pH	6.5 - 9.0	---	Beryllium	---	---
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	---	Cadmium	TVS	TVS
Iron(chronic) = current condition		E. Coli (per 100 mL)	---	126	Chromium III	TVS	TVS
Manganese(ac/ch) = current condition		Inorganic (mg/L)			Chromium III(T)	---	100
Expiration Date of 12/31/2020		acute		chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS	TVS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	---	Lead	TVS	TVS
		Chlorine	0.019	0.011	Manganese	TVS	TVS
		Cyanide	0.005	---	Mercury	---	0.01(t)
		Nitrate	100	---	Molybdenum(T)	---	150
		Nitrite	---	0.5	Nickel	TVS	TVS
		Phosphorus	---	---	Selenium	TVS	TVS
		Sulfate	---	---	Silver	TVS	TVS
		Sulfide	---	0.002	Uranium	---	---
					Zinc	TVS	TVS

7. Boulder Reservoir, Coot Lake, Left Hand Valley Reservoir and Spurgeon Reservoir.

COSPSV07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 1	WL		WL	---		---
	Recreation E	acute		chronic	340		---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---	TVS
Arsenic(chronic) = hybrid		acute		chronic	Chromium III(T)	50	---
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
Iron(chronic) = current condition		Boron	---	0.75	Copper	TVS	TVS
Manganese(ac/ch) = current condition		Chloride	---	250	Iron	---	WS
Expiration Date of 12/31/2020		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

*Classification: DUWS applies to Boulder, Spurgeon and Left Hand Valley Reservoirs only.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

St. Vrain Creek Basin

9. All lakes and reservoirs tributary to St. Vrain Creek from sources to Hygiene Road, including Button Rock Reservoir, except as specified in Segment 8.						
COSPSV09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (ug/L)	---	---	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
		acute	chronic		Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

12. All lakes and reservoirs tributary to Left Hand Creek from Highway 36 to the confluence with St. Vrain Creek, except as specified in Segment 7.						
COSPSV12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---
Arsenic(chronic) = hybrid		acute	chronic		Chromium III(T)	50
Expiration Date of 12/31/2024		Ammonia	TVS	TVS	Chromium VI	TVS
		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

1a. Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.						
COSPMS01A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	varies*	varies*	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
		Inorganic (mg/L)			Chromium III	---
Temporary Modification(s):			acute	chronic	Chromium III(T)	50
Arsenic(chronic) = hybrid		Ammonia	TVS*	TVS*	Chromium VI	TVS
Expiration Date of 12/31/ 2024 2024		Boron	---	0.75	Copper	---
Ammonia(acute) = See attached table for site-specific standards.		Chloride	---	250	Copper	35.1
*Ammonia(chronic) = See attached table for site-specific standards.		Chlorine	0.019	0.011	Iron	---
*Copper(acute) = Copper BLM-based FMB		Cyanide	0.005	---	Iron(T)	---
Cu FMB(ac)=35.1 ug/l		Nitrate	10	---	Lead	TVS
*Copper(chronic) = Copper BLM-based FMB		Nitrite	---	0.5	Lead(T)	50
Cu FMB(ch)= 23.5 ug/l		Phosphorus	---	---	Manganese	TVS
*D.O. (mg/L)(acute) = See attached table for site-specific standards.		Sulfate	---	WS	Mercury	---
*D.O. (mg/L)(chronic) = See attached table for site-specific standards.		Sulfide	---	0.002	Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

1b. Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.							
COSPMS01B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

3a. All tributaries to the South Platte River, including all wetlands, from a point immediately below the confluence with Big Dry Creek to the Weld/Morgan County line, except for specific listings in the subbasins of the South Platte River, and in Segments 3b, 5a, 5b, 5c, and 6.

COSPMS03A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
UP	Aq Life Warm 2	Temperature °C	WS-I	WS-I	Aluminum	---	---
	Recreation E	acute		chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium III	---	TVS
		acute		chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

4. Barr Lake and Milton Reservoir.

COSPMS04	Classifications	Physical and Biological		Metals (ug/L)			
Designation	Agriculture	DM	MWAT	acute	chronic		
UP	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u>		Inorganic (mg/L)		Chromium III	---	TVS	
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Middle South Platte River Basin

7. All lakes and reservoirs tributary to the South Platte River from a point immediately below the confluence with Big Dry Creek to the Weld/Morgan County line, except for specific listings in the subbasins of the South Platte River, and in Segment 4.

COSPMS07	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Warm 2	WL		WL	Aluminum		---
	Recreation E	acute		chronic	Arsenic		340
	Water Supply	D.O. (mg/L)		---	Arsenic(T)		0.02
Qualifiers:		pH		6.5 - 9.0	Beryllium		---
Water + Fish Standards		chlorophyll a (mg/m ²)		---	Cadmium		TVS
Other:		E. Coli (per 100 mL)		---	Cadmium(T)		5.0
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		Inorganic (mg/L)			Chromium III		TVS
		acute		chronic	Chromium III(T)		50
		Ammonia		TVS	Chromium VI		TVS
		Boron		---	Copper		TVS
		Chloride		---	Iron		WS
		Chlorine		0.019	Iron(T)		1000
		Cyanide		0.005	Lead		TVS
		Nitrate		10	Lead(T)		50
		Nitrite		---	Manganese		TVS
		Phosphorus		---	Mercury		0.01(t)
		Sulfate		WS	Molybdenum(T)		150
		Sulfide		0.002	Nickel		TVS
					Nickel(T)		100
					Selenium		TVS
					Silver		TVS
					Uranium		---
					Zinc		TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

Site-Specific Minimum Dissolved Oxygen and Ammonia Standards for Middle South Platte Segment 1a

Dissolved Oxygen:

STANDARDS

Early Life Stage Protection Period (April 1 through July 31)

1-Day^{1,4,5} 3.0 mg/L (acute)

7-Day Average^{1,2} 5.0 mg/L

Older Life Stage Protection Period (August 1 through March 31)

1-Day^{1,4} 2.0 mg/L (acute)

7-Day Mean of Minimums^{1,3} 2.5 mg/L

30-Day Average^{1,2} 4.5 mg/L

Refer to Section 38(6)(4)(c) for Dissolved Oxygen assessment locations.

Footnotes

1. For the purpose of determining compliance with the standards, dissolved oxygen measurements shall only be taken in the flowing portion of the stream at mid-depth, and at least six inches above the bottom of the channel. All sampling protocols and test procedures shall be in accordance with procedures and protocols approved by the Division.
2. A minimum of four independent daily means must be used to calculate the average for the 7-Day Average standard. A minimum of eight independent daily means must be used to calculate the average for the 30-Day Average standard. The four days and the eight days must be representative of the 7-Day and the 30-Day periods respectively. The daily mean shall be the mean of the daily high and low values. In calculating the mean values, the dissolved oxygen saturation value shall be used in place of any dissolved oxygen measurements which exceed saturation.
3. The 7-Day Mean Minimum is the average of the daily minimums measured at a location on each day during any 7-Day period.
4. During a 24 hour day, dissolved oxygen levels are likely to be lower during the nighttime when there is no photosynthesis. The dissolved oxygen levels should not drop below the acute standard (ELS acute standard of 3.0 mg/L or the OLS standard of 2.0 mg/L). However, if during the ELS period multiple measurements are below 3.0 mg/L during the same nighttime period, the multiple measurements shall be considered a single exceedance of the acute standard. For measurements below 2.0 mg/L during either the ELS or the OLS periods, each hourly measurement below 2.0 mg/L shall be considered an exceedance of the acute standard.
5. In July, the dissolved oxygen level in Segment 1a may be lower than the 3.0 mg/L acute standard for up to 14 exceedances in any one year and up to a total of 21 exceedances in three years before there is a determination that the acute dissolved oxygen standards is not being met. Exceedances shall be counted as described in Footnote 4.

Ammonia:

Early Life Stage Protection Period (April 1 through July 31)

Ammonia

Warm Water = (mg/l as N)Total

$$acute = \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

$$chronic \text{ (Apr 1 - July 31)} = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * MIN \left(2.85, 1.45 * 10^{0.028(25 - T)} \right)$$

$$chronic \text{ (Aug 1 - Mar 31)} = \left(\frac{0.0577}{1 + 10^{7.688 - pH}} + \frac{2.487}{1 + 10^{pH - 7.688}} \right) * 1.45 * 10^{0.028 * (25 - MAX(T, 7))}$$

NH₃ = old TVS

Warm Water Acute = 0.62/FT/FPH/2^(4 old) in mg/ (N)

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

2. Mainstem of the Big Thompson River, including all tributaries and wetlands from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion, except for the specific listing in Segment 7; mainstem of Black Canyon Creek and Glacier Creek below Estes Park water treatment plant.

COSPBT02	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM		MWAT	acute		chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
			D.O. (spawning)	---	7.0	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u> *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4). *Copper(acute) = 11 ug/L from immediately above the Upper Thompson Sanitation District's wastewater treatment plant outfall to the Home Supply Canal Diversion. *Copper(chronic) = 7.5 ug/L from immediately above the Upper Thompson Sanitation District's wastewater treatment plant outfall to the Home Supply Canal Diversion.		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	---	7.5*
		Ammonia	TVS	TVS	Copper	11*	TVS
		Boron	---	0.75	Copper	TVS	---
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.05	Manganese	TVS	TVS/WS
		Phosphorus	---	0.11*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

3. Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.						
COSPBT03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/20242024			Inorganic (mg/L)		Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

4a. Mainstem of the Big Thompson from the Big Barnes Ditch diversion to the Greeley-Loveland Canal diversion.						
COSPBT04A	Classifications		Physical and Biological		Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1		CS-II	CS-II	Aluminum	---
	Recreation E	5/1 - 10/15	acute	chronic	Arsenic	340
	Recreation N	10/16 - 4/30	---	6.0	Arsenic(T)	---
	Water Supply		---	7.0	Beryllium	---
Qualifiers:			pH	6.5 - 9.0	Cadmium	TVS(tr)
Other:			chlorophyll a (mg/m ²)	---	Cadmium(T)	5.0
Temporary Modification(s):			E. Coli (per 100 mL)	5/1 - 10/15	---	126
Arsenic(chronic) = hybrid			E. Coli (per 100 mL)	10/16 - 4/30	---	630
Expiration Date of 12/31/ 2021 2024			Inorganic (mg/L)		Chromium III(T)	50
			acute	chronic	Chromium VI	TVS
			Ammonia	TVS	Copper	TVS
			Boron	---	Iron	---
			Chloride	---	Iron(T)	1000
			Chlorine	0.019	Lead	TVS
			Cyanide	0.005	Lead(T)	50
			Nitrate	10	Manganese	TVS
			Nitrite	---	Mercury	---
			Phosphorus	---	Molybdenum(T)	---
			Sulfate	---	Nickel	TVS
			Sulfide	---	Nickel(T)	---
				0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

4b. Mainstem of the Big Thompson from the Greeley-Loveland Canal diversion to County Road 11H.

COSPBT04B	Classifications		Physical and Biological			Metals (ug/L)						
Designation	Agriculture		DM		MWAT	acute		chronic				
Reviewable	Aq Life Warm 1		Temperature °C	WS-I	WS-I	Aluminum	---	---				
	Recreation E	5/1 - 10/15		acute	chronic	Arsenic	340	---				
	Recreation N	10/16 - 4/30	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02				
	Water Supply		pH	6.5 - 9.0	---	Beryllium	---	---				
Qualifiers:			chlorophyll a (mg/m²)		---	---	Cadmium	TVS	TVS			
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u>			E. Coli (per 100 mL)		5/1 - 10/15	---	126	Cadmium(T)	5.0	---		
			E. Coli (per 100 mL)		10/16 - 4/30	---	630	Chromium III	---	TVS		
								Chromium III(T)	50	---		
			Inorganic (mg/L)					Chromium VI	TVS	TVS		
								acute	chronic	Copper	TVS	TVS
			Ammonia		TVS	TVS	Iron	---	WS			
			Boron		---	0.75	Iron(T)	---	1000			
			Chloride		---	250	Lead	TVS	TVS			
			Chlorine		0.019	0.011	Lead(T)	50	---			
			Cyanide		0.005	---	Manganese	TVS	TVS/WS			
			Nitrate		10	---	Mercury	---	0.01(t)			
			Nitrite		---	0.5	Molybdenum(T)	---	150			
			Phosphorus		---	---	Nickel	TVS	TVS			
			Sulfate		---	WS	Nickel(T)	---	100			
			Sulfide		---	0.002	Selenium	TVS	TVS			
							Silver	TVS	TVS			
							Uranium	---	---			
							Zinc	TVS	TVS			

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

7. Mainstem of the North Fork of the Big Thompson River from the boundary of Rocky Mountain National Park to the confluence with the Big Thompson River; mainstem of Buckhorn Creek from the source to the confluence with the Big Thompson River.						
COSPBT07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	TVS
Expiration Date of 12/31/20242024					Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	1000
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	0.01(t)
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

8. Mainstem of the Little Thompson River, including all tributaries and wetlands, from the source to the Culver Ditch diversion.						
COSPBT08	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/2024					Chromium III(T)	50
		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	0.11	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

9. Mainstem of the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River.							
COSPBT09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02-10 ^A
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Other: Temporary Modification(s): Selenium(chronic) = 12.3 Expiration Date of 12/31/2020 *chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		chlorophyll a (mg/m²)	---	150*	Cadmium	TVS	TVS
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	0.17*	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
			Zinc	TVS	TVS		

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

12. Lake Loveland, Horseshoe Lake, Boyd Lake.						
COSPBT12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Warm 1 Recreation E Water Supply DUWS*		DM	MWAT	acute	chronic
Reviewable		Temperature °C	WL	WL	Aluminum	---
			acute	chronic	Arsenic	340
		D.O. (mg/L)	---	5.0	Arsenic(T)	---
		pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---
Arsenic(chronic) = hybrid			acute	chronic	Chromium III(T)	50
Expiration Date of 12/31/20242024		Ammonia	TVS	TVS	Chromium VI	TVS
*Classification: DUWS Applies to Boyd and Loveland Lakes only.		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Big Thompson River Basin

14. Welch Reservoir, Lonetree Reservoir, Boedecker Lake, Lon Hagler Reservoir.						
COSPBT14	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---
	DUWS*	pH	6.5 - 9.0	---	Beryllium	---
Qualifiers:		chlorophyll a (ug/L)	---	---	Cadmium	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0
Temporary Modification(s):		Inorganic (mg/L)			Chromium III	---
Arsenic(chronic) = hybrid		acute	chronic	Chromium III(T)	50	---
Expiration Date of 12/31/ 2021 2024		Ammonia	TVS	TVS	Chromium VI	TVS
*Classification: DUWS applies to Lonetree Reservoir only.		Boron	---	0.75	Copper	TVS
		Chloride	---	250	Iron	---
		Chlorine	0.019	0.011	Iron(T)	---
		Cyanide	0.005	---	Lead	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.5	Manganese	TVS
		Phosphorus	---	---	Mercury	---
		Sulfate	---	WS	Molybdenum(T)	---
		Sulfide	---	0.002	Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

16. All lakes and reservoirs tributary to the Big Thompson River from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion. This segment includes Lake Estes and St Mary's Lake.

COSPBT16	Classifications	Physical and Biological		Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CL,CLL CL,CLL	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	Arsenic(T)	0.02
	DUWS*	D.O. (spawning)	---	Beryllium	---
Qualifiers:		pH	6.5 - 9.0	Cadmium	TVS(tr) TVS
Other:		chlorophyll a (ug/L)	---	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	Chromium III	---
Arsenic(chronic) = hybrid			126	Chromium III(T)	TVS
Expiration Date of 12/31/ 2021 2024		Inorganic (mg/L)		Chromium VI	50
		acute	chronic	Copper	---
		Ammonia	TVS	Iron	TVS
		Boron	---	Iron(T)	WS
		Chloride	0.75	Lead	1000
		Chlorine	---	Lead(T)	TVS
		Cyanide	250	Lead(T)	50
		Nitrate	0.019	Manganese	---
		Nitrite	0.005	Mercury	TVS
		Phosphorus	10	Molybdenum(T)	TVS/WS
		Sulfate	---	Nickel	---
		Sulfide	0.05	Nickel(T)	0.01(t)
			WS	Selenium	150
			0.002	Silver	TVS
				Uranium	TVS(tr)
				Zinc	---
					TVS

*Classification: DUWS applies to St.Mary's Lake only.

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS
Big Thompson River Basin

17. All lakes and reservoirs tributary to the Big Thompson River from the Home Supply Canal diversion to the confluence with the South Platte River, except for specific listings in Segments 12 and 14.

COSPBT17	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 2	Temperature °C	WL	WL	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	0.02
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	---
Water + Fish Standards		chlorophyll a (ug/L)	---	---	Cadmium	TVS	TVS
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		Inorganic (mg/L)			Chromium III	---	TVS
			acute	chronic	Chromium III(T)	50	---
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

1. Mainstem of the Cache La Poudre River, and all tributaries and wetlands, within Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas.

COSPCP01	Classifications	Physical and Biological			Metals (ug/L)		
Designation			DM	MWAT		acute	chronic
OW	Agriculture						
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E		acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2021 2024		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

2a. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from the boundaries of Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.						
COSPCP02A	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ <u>2024</u> <u>2024</u>					Chromium III(T)	50
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)			Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	---
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	---
					Molybdenum(T)	---
					Nickel	TVS
					Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

2b. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from a point immediately below the confluence with the South Fork Cache La Poudre River to the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion).

COSPCP02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

6. Mainstem of the North Fork of the Cache La Poudre River, including all tributaries and wetlands, from the source to the inlet of Halligan Reservoir.

COSPCP06	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150	Cadmium(T)	5.0	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
Expiration Date of 12/31/ 2024 2024					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

7. Mainstem of the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 20.						
COSPCP07	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture Aq Life Cold 1 Recreation E Water Supply	DM		MWAT	acute	chronic
Reviewable		Temperature °C	CS-II	CS-II	Aluminum	---
		acute	chronic		Arsenic	340
		D.O. (mg/L)	---	6.0	Arsenic(T)	0.02
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:	Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>	pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	50
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Iron(T)	1000
					Lead	TVS
					Lead(T)	50
					Manganese	TVS
					Mercury	0.01(t)
					Molybdenum(T)	150
					Nickel	TVS
					Nickel(T)	100
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
						TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

8. All tributaries to the North Fork of the Cache La Poudre River, including all wetlands, from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 9.

COSPCP08	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---
	Recreation E	acute	chronic		Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	0.02
Qualifiers: Water + Fish Standards Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u> *chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		D.O. (spawning)	---	7.0	Beryllium	---	---
		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	TVS
		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic		Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

9. Mainstem of Rabbit Creek and Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.							
COSPCP09	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	150*	Cadmium(T)	5.0	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	
Expiration Date of 12/31/20242024					Chromium III(T)	50	
*chlorophyll a (mg/m²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		Inorganic (mg/L)		Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	0.11*	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS
10a. Mainstem of the Cache La Poudre River from the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion) to a point immediately above the Larimer County Ditch diversion (40.657, -105.185).							
COSPCP10A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
Temporary Modification(s):		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---	
Expiration Date of 12/31/20242024					Chromium III(T)	50	
		Inorganic (mg/L)		Chromium VI	TVS	TVS	
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

10b. Mainstem of the Cache La Poudre River from a point immediately above the Larimer County Ditch diversion (40.657, -105.185) to Shields Street in Ft. Collins, Colorado.						
COSPCP10B	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Water + Fish Standards		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Other:		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	---
Arsenic(chronic) = hybrid					Chromium III(T)	50
Expiration Date of 12/31/20242024		Inorganic (mg/L)			Chromium VI	TVS
			acute	chronic	Copper	TVS
		Ammonia	TVS	TVS	Iron	---
		Boron	---	0.75	Iron(T)	---
		Chloride	---	250	Lead	TVS
		Chlorine	0.019	0.011	Lead(T)	50
		Cyanide	0.005	---	Manganese	TVS
		Nitrate	10	---	Mercury	---
		Nitrite	---	0.05	Molybdenum(T)	---
		Phosphorus	---	---	Nickel	TVS
		Sulfate	---	WS	Nickel(T)	---
		Sulfide	---	0.002	Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS
11. Mainstem of the Cache La Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.						
COSPCP11	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
		D.O. (mg/L)	---	5.0	Arsenic(T)	---
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---
Other:		chlorophyll a (mg/m²)	---	---	Cadmium	TVS
Temporary Modification(s):		E. Coli (per 100 mL)	---	126	Chromium III	TVS
temperature(DM/MWAT) = current condition		Inorganic (mg/L)			Chromium III(T)	---
Expiration Date of 12/31/2020			acute	chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron(T)	---
		Chloride	---	---	Lead	TVS
		Chlorine	0.019	0.011	Manganese	TVS
		Cyanide	0.005	---	Mercury	---
		Nitrate	100	---	Molybdenum(T)	---
		Nitrite	---	2.7	Nickel	TVS
		Phosphorus	---	---	Selenium	TVS
		Sulfate	---	---	Silver	TVS
		Sulfide	---	0.002	Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Cache La Poudre River Basin

12. Mainstem of the Cache La Poudre River from a poin immediately above the confluence with Boxelder Creek to the confluence with the South Platte River.						
COSPCP12	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C		WS-I	Aluminum	---
	Recreation E	acute		chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)		---	Arsenic(T)	7.6
Other:		pH		6.5 - 9.0	Beryllium	---
<div>Temporary Modification(s):</div> <div>temperature(DM/MWAT) = current condition</div> <div>Expiration Date of 12/31/2020</div>		chlorophyll a (mg/m ²)		---	Cadmium	TVS
		E. Coli (per 100 mL)		---	Chromium III	TVS
		Inorganic (mg/L)			Chromium III(T)	100
		acute		chronic	Chromium VI	TVS
		Ammonia		TVS	Copper	TVS
		Boron		---	Iron(T)	1000
		Chloride		---	Lead	TVS
		Chlorine		0.019	Manganese	TVS
		Cyanide		0.005	Mercury	0.01(t)
		Nitrate		100	Molybdenum(T)	150
		Nitrite		---	Nickel	TVS
		Phosphorus		---	Selenium	TVS
		Sulfate		---	Silver	TVS
		Sulfide		---	Uranium	---
				0.002	Zinc	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Laramie River Basin

1. All tributaries to the Laramie River, including all wetlands, which are within the Rawah Wilderness Area.

COSPLA01	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
OW	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
		chlorophyll a (mg/m ²)	---	---	Cadmium(T)	5.0
		E. Coli (per 100 mL)	---	126	Chromium III	---
		Inorganic (mg/L)		---	Chromium III(T)	TVS
				50	Chromium VI	---
		acute	chronic	Chromium VI	TVS	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	WS
		Chlorine	0.019	0.011	Lead	---
		Cyanide	0.005	---	Lead(T)	TVS
		Nitrate	10	---	Lead(T)	50
		Nitrite	---	0.05	Manganese	TVS
		Phosphorus	---	---	Mercury	TVS/WS
		Sulfate	---	WS	Mercury	---
		Sulfide	---	0.002	Molybdenum(T)	0.01(t)
		Inorganic (mg/L)		---	Molybdenum(T)	---
				---	Nickel	150
		Ammonia	TVS	TVS	Nickel	TVS
		Boron	---	0.75	Nickel(T)	TVS

2a. Mainstem of the Laramie River from the source to the National Forest boundary, and all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for specific listings in Segment 1.

COSPLA02A	Classifications	Physical and Biological		Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E	acute	chronic	Arsenic	340	---
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	0.02
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 2024		pH	6.5 - 9.0	---	Cadmium	---
		chlorophyll a (mg/m ²)	---	150	Cadmium	TVS(tr)
		E. Coli (per 100 mL)	---	126	Cadmium(T)	TVS
		Inorganic (mg/L)		---	Cadmium(T)	5.0
				---	Chromium III	---
		acute	chronic	Chromium III	50	TVS
		Ammonia	TVS	TVS	Chromium III(T)	---
		Boron	---	0.75	Chromium VI	TVS
		Chloride	---	250	Copper	TVS
		Chlorine	0.019	0.011	Iron	---
		Cyanide	0.005	---	Iron(T)	WS
		Nitrate	10	---	Lead	---
		Nitrite	---	0.05	Lead(T)	TVS
		Phosphorus	---	0.11	Lead(T)	50
		Sulfate	---	WS	Manganese	TVS
		Sulfide	---	0.002	Mercury	TVS/WS
		Inorganic (mg/L)		---	Mercury	---
				---	Molybdenum(T)	0.01(t)
		Ammonia	TVS	TVS	Molybdenum(T)	---
		Boron	---	0.75	Nickel	150

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Laramie River Basin

2b. Mainstem of the Laramie River from the National Forest boundary to the Colorado/Wyoming border.							
COSPLA02B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---	
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ 2024 <u>2024</u>		pH	6.5 - 9.0	---	Cadmium	TVS(tr)	
		chlorophyll a (mg/m²)	---	---	Cadmium(T)	5.0	---
		E. Coli (per 100 mL)	---	126	Chromium III	---	TVS
					Chromium III(T)	50	---
		Inorganic (mg/L)			Chromium VI	TVS	TVS
		acute	chronic	Copper	TVS	TVS	
		Ammonia	TVS	TVS	Iron	---	WS
		Boron	---	0.75	Iron(T)	---	1000
		Chloride	---	250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	---
		Cyanide	0.005	---	Manganese	TVS	TVS/WS
		Nitrate	10	---	Mercury	---	0.01(t)
		Nitrite	---	0.05	Molybdenum(T)	---	150
		Phosphorus	---	---	Nickel	TVS	TVS
		Sulfate	---	WS	Nickel(T)	---	100
		Sulfide	---	0.002	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Lower South Platte River Basin

1. Mainstem of the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border.							
COSPLS01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Water + Fish Standards		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
Other:		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u>		Inorganic (mg/L)		Chromium III	---	TVS	
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
					Nickel(T)	---	100
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	---	---
					Zinc	TVS	TVS

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

1. Mainstem of the South Fork of the Republican River from a point 23 miles above the Colorado-Kansas border (39.582154°, -102.350838°) to the Colorado-Kansas border.							
COSPREF01	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT	acute	chronic		
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	---	
	Water Supply	D.O. (mg/L)	---	5.0	Arsenic(T)	---	
Qualifiers:		pH	6.5 - 9.0	---	Beryllium	---	
Other: Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/ <u>2024</u> <u>2024</u>		chlorophyll a (mg/m²)	---	---	Cadmium	TVS	
		E. Coli (per 100 mL)	---	126	Cadmium(T)	5.0	---
		Inorganic (mg/L)			Chromium III	---	TVS
		acute	chronic	Chromium III(T)	50	---	
		Ammonia	TVS	TVS	Chromium VI	TVS	TVS
		Boron	---	0.75	Copper	TVS	TVS
		Chloride	---	250	Iron	---	WS
		Chlorine	0.019	0.011	Iron(T)	---	1000
		Cyanide	0.005	---	Lead	TVS	TVS
		Nitrate	10	---	Lead(T)	50	---
		Nitrite	---	0.5	Manganese	TVS	TVS/WS
		Phosphorus	---	---	Mercury	---	0.01(t)
		Sulfate	---	WS	Molybdenum(T)	---	150
		Sulfide	---	0.002	Nickel	TVS	TVS
		Nickel(T)	---	100			
		Selenium	TVS	TVS			
		Silver	TVS	TVS			
Uranium	---	---					
Zinc	TVS	TVS					

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Republican River Basin

3. Mainstem of the North Fork of the Republican River from the source to the Colorado/Nebraska border and the mainstem of Chief Creek.						
COSPREF03	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture	DM		MWAT	acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum	---
	Recreation E	acute	chronic		Arsenic	340
	Water Supply	D.O. (mg/L)	---	6.0	Arsenic(T)	---
Qualifiers:		D.O. (spawning)	---	7.0	Beryllium	---
Other:		pH	6.5 - 9.0	---	Cadmium	TVS(tr)
Temporary Modification(s):		chlorophyll a (mg/m ²)	---	150*	Cadmium(T)	5.0
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium III	---
Expiration Date of 12/31/ 2024 2024		Inorganic (mg/L)			Chromium III(T)	50
*chlorophyll a (mg/m ²)(chronic) = applies only above the facilities listed at 38.5(4). *Phosphorus(chronic) = applies only above the facilities listed at 38.5(4).		acute		chronic	Chromium VI	TVS
		Ammonia	TVS	TVS	Copper	TVS
		Boron	---	0.75	Iron	---
		Chloride	---	250	Iron(T)	---
		Chlorine	0.019	0.011	Lead	TVS
		Cyanide	0.005	---	Lead(T)	50
		Nitrate	10	---	Manganese	TVS
		Nitrite	---	0.05	Mercury	---
		Phosphorus	---	0.11*	Molybdenum(T)	---
		Sulfate	---	WS	Nickel	TVS
		Sulfide	---	0.002	Nickel(T)	---
					Selenium	TVS
					Silver	TVS
					Uranium	---
					Zinc	TVS

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 38.6 for details on TVS, TVS(tr), WS, temperature standards.

Table 2

SITE SPECIFIC RADIONUCLIDE STANDARDS*

(in Picocuries/Liter, except as noted)

The radionuclides listed below shall be maintained at the lowest practical level and in no case shall they be increased by any cause attributable to municipal, industrial, or agricultural practices to exceed the site specific numeric standards.

A. Ambient based site-specific standards:				
	Segment 2 Standley Lake	Segment 3 Great Western Reservoir	Segment 4a Segment 5 Woman Creek	Segment 4a Segment 4b Segment 5 Walnut Creek
Gross Alpha	6	5		
Gross Beta	9	12		
Plutonium	.03	.03	0.15** ***	0.15** ***
Americium	.03	.03	0.15** ***	0.15** ***
Tritium	500	500	500	500
Uranium	3	4	16.8 µg/l	16.8 µg/l
B. Other site-specific standard applicable to segments 2,3,4a, 4b, and 5.				
Curium	60	60	60	60
Neptunium	30	30	30	30

*Statewide standards also apply for radionuclides not listed above.

**0.15pCi/l Statewide Basic Standards.

***For plutonium and americium measurements in Segment 5 in Woman Creek and Segment 5 in Walnut Creek, attainment will be assessed based on the results of a 12-month flow-weighted rolling average concentration (computed monthly).

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

EXHIBIT 8
RESURRECTION MINING COMPANY

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

**REGULATION NO. 32 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR ARKANSAS RIVER
BASIN**

5 CCR 1002-32

**32.62 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER
9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020 EFFECTIVE DATE JUNE 30,
2020**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The Commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

Iowa Gulch, Segments 8a, 8b and 9: The Commission adopted site-specific standards using hardness-based equations for cadmium and zinc based on the EPA recalculation procedure. The recalculation methodology provides revised equations for acute and chronic cadmium and acute and chronic zinc for Segment 8a, and chronic cadmium and acute and chronic zinc for Segments 8b and 9. These revised equations are intended to protect the resident, attainable aquatic macroinvertebrate and planktonic communities, and limited fish populations in Iowa Gulch. These site-specific standards resolve the uncertainty which resulted in 1) the Commission adopting temporary modifications for cadmium and zinc in Segment 8b at the June 2007 Rulemaking, 2) extending them at the June 2013 Rulemaking, 3) adopting further revisions at the December 2015 Rulemaking, 4) again extending the temporary modifications at the December 2016 Rulemaking, and 5) further updating and extending them at the June 2018 Rulemaking.

The Use Attainability Analysis submitted by Resurrection Mining Company demonstrated that aquatic macroinvertebrate populations are currently categorized as “very good” to “good” in Iowa Gulch under the existing conditions. Fish populations have limited diversity and abundance reflecting the small stream size and elevation. Planktonic organisms are present, although primarily limited to the ponded areas in these segments. Other crustaceans are absent, consistent with similar streams where sampling also found no other crustaceans. Cadmium and zinc standards resulting from the recalculation procedure result in values that are more protective of aquatic life than the current temporary modification values that have been in place on Segment 8b since 2007.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-32

**REGULATION NO. 32
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
ARKANSAS RIVER BASIN**

**APPENDIX 32-1
Stream Classifications and Water Quality Standards Tables**

Effective ~~6/30/2019~~ 6/30/2020

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

8a. Mainstem of Iowa Gulch from the source to the historic upper ASARCO water supply intake at 39.224327, -106.223432.							
COARUA08A	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
Reviewable	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	0.02-10(T) ^A	
	Water Supply	D.O. (mg/L)	---	6.0	Beryllium	---	
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium	TVS(†) TVS	
Other: *Cadmium(acute) = (1.136672- [ln(hardness)*0.041838])*e^(0.9789*ln(hardness)- 3.5146) *Cadmium(chronic) = (1.101672- [ln(hardness)*0.041838])*e^(0.7977*ln(hardness)- 3.5338) *Zinc(acute) = 0.978*e^(0.8582[ln(hardness)]+1.3648) *Zinc(chronic) = 0.986*e^(0.8582[ln(hardness)]+1.1685) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Chromium III	50(T) TVS	
		chlorophyll a (mg/m²)	---	150	Chromium VI	TVS	TVS
		E. Coli (per 100 mL)	---	126	Copper	TVS	TVS
		Inorganic (mg/L)			Iron	---	WS
			acute	chronic	Iron	---	1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	250	Manganese	---	WS
		Chlorine	0.019	0.011	Mercury	---	0.01(t)
		Cyanide	0.005	---	Molybdenum	---	160(T)
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	---	0.05	Selenium	TVS	TVS
		Phosphorus	---	0.11	Silver	TVS	TVS(tr)
		Sulfate	---	WS	Uranium	---	---
		Sulfide	---	0.002	Zinc	TVS SSE*	TVS SSE*
8b. Mainstem of Iowa Gulch from a point immediately below the historic upper ASARCO water supply intake at 39.224327, -106.223432. to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch).							
COARUA08B	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT				
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	
	Recreation E	acute	chronic	Arsenic	340	100(T)	
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium	---	
Other: *Cadmium(acute) = (1.136672- [ln(hardness)*0.041838])*e^(0.9789*ln(hardness)- 3.5146) *Cadmium(chronic) = (1.101672- [ln(hardness)*0.041838])*e^(0.7977*ln(hardness)- 3.5338) *Zinc(acute) = 0.978*e^(0.8582[ln(hardness)]+1.3648) *Zinc(chronic) = 0.986*e^(0.8582[ln(hardness)]+1.1685) *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. Temporary Modification(s): Cadmium(chronic) = 1-2 Zinc(chronic) = 325 Zinc(acute) = 593 Expiration Date of 6/30/2020		D.O. (spawning)	---	7.0	Cadmium	TVS SSE*	
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS
		chlorophyll a (mg/m2)	---	150	Chromium III	---	100(T)
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron	---	1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron	---	0.75	Manganese	TVS	TVS
		Chloride	---	---	Mercury	---	0.01(t)
		Chlorine	0.019	0.011	Molybdenum	---	160(T)
		Cyanide	---	---	Nickel	TVS	TVS
		Nitrate	100	---	Selenium	TVS	TVS
		Nitrite	---	0.05	Silver	TVS	TVS(tr)
		Phosphorus	---	0.11	Uranium	---	---
		Sulfate	---	---	Zinc	TVS SSE*	TVS SSE*
Sulfide	---	0.002					

8b. Mainstem of Iowa Gulch from a point immediately below the historic upper ASARCO water supply intake at 39.224327, -106.223432. to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch).

COARUA08B		Classifications		Physical and Biological		Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic	
UP	Aq Life Cold 2	Temperature °C	CS-II	CS-II	Aluminum	---	---	
	Recreation E		acute	chronic	Arsenic	340	100(T)	
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium	---	---	
Other: *Cadmium(acute) = (1.136672-[ln(hardness)*0.041838])*e^(0.9789*ln(hardness)-3.5146) <u>*Cadmium(chronic) = (1.101672-[ln(hardness)*0.041838])*e^(0.7977*ln(hardness)-3.5338)</u> <u>*Zinc(acute) = 0.978*e^(0.8582[ln(hardness)]+1.3648)</u> <u>*Zinc(chronic) = 0.986*e^(0.8582[ln(hardness)]+1.1685)</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details. Temporary Modification(s): <u>Cadmium(chronic) = 1-2</u> <u>Zinc(chronic) = 325</u> <u>Zinc(acute) = 593</u> <u>Expiration Date of 6/30/2020</u>		D.O. (spawning)	---	7.0	Cadmium	SSE*	TVS <u>SSE*</u>	
		pH	6.5 - 9.0	---	Chromium III	TVS	TVS	
		chlorophyll a (mg/m2)	---	150	Chromium III	---	100(T)	
		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS	
		Inorganic (mg/L)			Copper	TVS	TVS	
			acute	chronic	Iron	---	1000(T)	
		Ammonia	TVS	TVS	Lead	TVS	TVS	
		Boron	---	0.75	Manganese	TVS	TVS	
		Chloride	---	---	Mercury	---	0.01(t)	
		Chlorine	0.019	0.011	Molybdenum	---	160(T)	
Cyanide	---	---	Nickel	TVS	TVS			
Nitrate	100	---	Selenium	TVS	TVS			
Nitrite	---	0.05	Silver	TVS	TVS(tr)			
Phosphorus	---	0.11	Uranium	---	---			
Sulfate	---	---	Zinc	TVS <u>SSE*</u>	TVS <u>SSE*</u>			
Sulfide	---	0.002						

Temporary Modification(s):
Cadmium(chronic) = 1.2
Zinc(chronic) = 325
Zinc(acute) = 593
Expiration Date of 6/30/2020

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Upper Arkansas River Basin

9. Mainstem of Iowa Gulch from a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch) to the confluence with the Arkansas River.						
COARUA09	Classifications	Physical and Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum	---
	Recreation E		acute	chronic	Arsenic	340
Qualifiers:		D.O. (mg/L)	---	6.0	Beryllium	---
		D.O. (spawning)	---	7.0		
Other: *Cadmium(acute) = (1.136672- [ln(hardness)*0.041838])*e^(0.9789*ln(hardness)- 3.5146) <u>*Cadmium(chronic) = (1.101672- [ln(hardness)*0.041838])*e^(0.7977*ln(hardness)- 3.5338)</u> <u>*Zinc(acute) = 0.978*e^(0.8582[ln(hardness)]+1.3648)</u> <u>*Zinc(chronic) = 0.986*e^(0.8582[ln(hardness)]+1.1685)</u> *Uranium(acute) = See 32.5(3) for details. *Uranium(chronic) = See 32.5(3) for details.		pH	6.5 - 9.0	---	Cadmium	SSE*
		chlorophyll a (mg/m2)	---	150		
		E. Coli (per 100 mL)	---	126	Chromium III	TVS
					Chromium III	---
					Chromium VI	TVS
					Copper	TVS
					Iron	---
					Lead	TVS
					Manganese	TVS
					Mercury	---
					Molybdenum	---
					Nickel	TVS
					Selenium	TVS
					Silver	TVS
					Uranium	---

All metals are dissolved unless otherwise noted.
 T = total recoverable
 t = total
 tr = trout

D.O. = dissolved oxygen
 DM = daily maximum
 MWAT = maximum weekly average temperature
 See 32.6 for details on TVS, TVS(tr), WS, temperature standards.

EXHIBIT 9
CLIMAX MOLYBDENUM COMPANY

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 33 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR UPPER COLORADO RIVER BASIN AND NORTH PLATTE RIVER (PLANNING REGION 12)

5 CCR 1002-33

33.62 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 9, 2019 RULEMAKING; FINAL ACTION JANUARY 13, 2020 EFFECTIVE DATE JUNE 30, 2020

The provisions of C.R.S. 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402; provide the specific statutory authority for adoption of these regulatory amendments. The Commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE:

The commission extended the following temporary modifications:

Blue River Segment 14: temporary modification of the chronic molybdenum standard (expires 6/30/2023). The commission extended this temporary modification from 6/30/2020 to 6/30/2023 to provide time for information to become available to support development of an updated molybdenum standard to protect the Water Supply use. In addition, Climax Molybdenum Company continues to make progress to investigate molybdenum sources/source control, influent control measures, water management alternatives, available blending, potential treatment and treatment optimization options, and the expected effluent quantity and quality that could be achieved with each alternative.

An extension of the temporary modification is needed due to the delay in the release of the updated version of the Agency of Toxic Substances and Disease Registry's (ATSDR) draft toxicological profile for molybdenum, which will inform development of an updated molybdenum table value standard. It is unknown when the ATSDR toxicological profile will be available, which has resulted in the indefinite continuation of the commission's consideration of a revised molybdenum standard. As a result of this delay, the commission extended the "current condition" temporary modification to June 30, 2023. When the ATSDR toxicological profile becomes available, a hearing to consider a revised molybdenum standard will be scheduled expeditiously.

During the 2018 temporary modifications rulemaking hearing (see 33.61), the commission directed the division to develop a numeric operative value(s) to replace the existing narrative operative value of "current condition" if this temporary modification was extended. The intended purpose of this change was to establish a baseline condition which must be preserved in Blue River Segment 14 and facilitate future evaluations of status quo preservation in the waterbody

and effluent. However, due to differences in statistical methods and the form of molybdenum used in standards assessment versus permitting, the commission determined that adoption of a numeric operative value may inadvertently cause permit compliance issues, and therefore retained the narrative “current condition” operative value for this temporary modification. Maintenance of status quo will instead be addressed through discharge permit limits and evaluation of instream data, with the baseline instream condition characterized in this and previous (33.61) statement of basis.

To address the requirement to maintain status quo in effluent, the division has developed implementation guidance to translate narrative “current condition” temporary modifications into numeric limits in discharge permits using past performance data as a baseline. Climax restarted operations and began producing molybdenum concentrate in May 2012. The “current condition” temporary modification was adopted in June 2014, after operations resumed at Climax. For the purposes of molybdenum in Segment 14, the relevant baseline is the water quality condition represented by data collected from May 2012 to June 2014, when the temporary modification was originally adopted.

To address the requirement to maintain status quo instream, the 50th percentile molybdenum concentration of 170 µg/L in Tenmile Creek from the May 2012 to June 2014 period of record will be used as a baseline to compare to data collected after the temporary modification was adopted in June 2014. Comparisons are to be conducted using the ambient standards assessment technique in Appendix B of the 303(d) listing methodology and using water quality data from the two sites on Tenmile Creek near Frisco (Climax site “Frisco 3rd Ave” and Denver Water site “Ten Mile Creek above Dillon”). Use of the ambient standards assessment methodology to compare the baseline period water quality (May 2012 to June 2014) to current water quality (July 2014 to April 2019) indicates that the lower confidence limit of the 50th percentile molybdenum concentration is currently not higher than the baseline. Based on this information, at this time, the commission finds “status quo” is currently being preserved.

The commission expects that Climax will continue to provide written reports detailing its ongoing molybdenum investigations to all stakeholders each year by July 1. Further, the commission encourages Climax to continue sharing information and data with the public and interested parties on a routine and ongoing basis.

**COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL COMMISSION**

5 CCR 1002-33

**REGULATION NO. 33
CLASSIFICATIONS AND NUMERIC STANDARDS
FOR
UPPER COLORADO RIVER BASIN AND
NORTH PLATTE RIVER (PLANNING REGION 12)**

**APPENDIX 33-1
Stream Classifications and Water Quality Standards Tables**

Effective: 6/30/2020

Abbreviations and Acroynms

Aq	=	Aquatic
°C	=	degrees Celsius
CL	=	cold lake temperature tier
CLL	=	cold large lake temperature tier
CS-I	=	cold stream temperature tier one
CS-II	=	cold stream temperature tier two
D.O.	=	dissolved oxygen
DM	=	daily maximum temperature
DUWS	=	direct use water supply
E. coli	=	<i>Escherichia coli</i>
EQ	=	existing quality
mg/L	=	milligrams per liter
mg/m ²	=	milligrams per square meter
mL	=	milliliter
MWAT	=	maximum weekly average temperature
OW	=	outstanding waters
sc	=	sculpin
SSE	=	site-specific equation
T	=	total recoverable
t	=	total
tr	=	trout
TVS	=	table value standard
µg/L	=	micrograms per liter
UP	=	use-protected
WS	=	water supply
WS-I	=	warm stream temperature tier one
WS-II	=	warm stream temperature tier two
WS-III	=	warm stream temperature tier three
WL	=	warm lake temperature tier

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS

Blue River Basin

14. Mainstem of Tenmile Creek, including all tributaries and wetlands, from a point immediately above the confluence with West Tenmile Creek to Dillon Reservoir, except for the specific listings in Segment 16.

COUCBL14	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture	DM	MWAT		acute	chronic	
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Arsenic	340	---
	Recreation E	acute	chronic		Arsenic(T)	---	0.02
	Water Supply	D.O. (mg/L)	---	6.0	Cadmium	TVS(tr)	TVS
Qualifiers:		D.O. (spawning)	---	7.0	Cadmium(T)	5.0	---
Other:		pH	6.5 - 9.0	---	Chromium III	---	TVS
Temporary Modification(s):		chlorophyll a (mg/m2)	---	150*	Chromium III(T)	50	---
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)	---	126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
Molybdenum(chronic) = current conditions		Inorganic (mg/L)			Iron	---	WS
Expiration Date of 6/30/2020 6/30/2023		acute	chronic		Iron(T)	---	1000
*chlorophyll a (mg/m2)(chronic) = applies only above the facilities listed at 33.5(4).		Ammonia	TVS	TVS	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Boron	---	0.75	Lead(T)	50	---
*Uranium(acute) = See 33.5(3) for details.		Chloride	---	250	Manganese	TVS	TVS/WS
*Uranium(chronic) = See 33.5(3) for details.		Chlorine	0.019	0.011	Mercury(T)	---	0.01
		Cyanide	0.005	---	Molybdenum(T)	---	210
		Nitrate	10	---	Nickel	TVS	TVS
		Nitrite	0.05	---	Nickel(T)	---	100
		Phosphorus	---	0.11*	Selenium	TVS	TVS
		Sulfate	---	WS	Silver	TVS	TVS(tr)
		Sulfide	---	0.002	Uranium	varies*	varies*
					Zinc	TVS	TVS/TVS(sc)

All metals are dissolved unless otherwise noted.
T = total recoverable
t = total
tr = trout
sc = sculpin

D.O. = dissolved oxygen
DM = daily maximum
MWAT = maximum weekly average temperature
See 33.6 for further details on applied standards.

STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS – FOOTNOTES

- (A) Whenever a range of standards is listed and referenced to this footnote, the first number in the range is a strictly health-based value, based on the Commission's established methodology for human health-based standards. The second number in the range is a maximum contaminant level, established under the federal Safe Drinking Water Act that has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. Control requirements, such as discharge permit effluent limitations, shall be established using the first number in the range as the ambient water quality target, provided that no effluent limitation shall require an "end-of-pipe" discharge level more restrictive than the second number in the range. Water bodies will be considered in attainment of this standard, and not included on the Section 303(d) List, so long as the existing ambient quality does not exceed the second number in the range.
- (B) Assessment of adequate refuge shall rely on the Cold Large Lake table value temperature criterion and applicable dissolved oxygen standard rather than the site-specific temperature standard.

Notice of Proposed Rulemaking

Tracking number

2019-00394

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-32

Rule title

REGULATION NO. 32 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR
ARKANSAS RIVER BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Classifications and Numeric Standards for Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- Classifications and Numeric Standards for South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as:

- Exhibit 1 - Regulation #31
- Exhibit 2 - Regulation #32
- Exhibit 3 - Regulation #33,
- Exhibit 4 - Regulation #34,
- Exhibit 5 - Regulation #35,
- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #31, Tracking Number 2019-00393, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00402

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-33

Rule title

REGULATION NO. 33 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR UPPER COLORADO RIVER BASIN AND NORTH PLATTE RIVER (PLANNING REGION 12)

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Proposed revisions and proposed Statements of Basis, Specific Statutory Authority and Purpose have been submitted by the following:

- Exhibit 1 - Regulation #32, Water Quality Control Division (division);
- Exhibit 2 - Regulation #33, division;
- Exhibit 3 - Regulation #34, division;
- Exhibit 4 - Regulation #35, division;
- Exhibit 5 - Regulation #36, division;
- Exhibit 6 - Regulation #37, division;
- Exhibit 7 - Regulation #38, division;
- Exhibit 8 - Regulation #32, Resurrection Mining Company; and
- Exhibit 9 - Regulation #33, Climax Molybdenum Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 9, with expiration dates on or before December 31, 2021, will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.

Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 3:30 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN: 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #32, Tracking Number 2019-00401, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00395

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-33

Rule title

REGULATION NO. 33 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR UPPER COLORADO RIVER BASIN AND NORTH PLATTE RIVER (PLANNING REGION 12)

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Classifications and Numeric Standards for Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- Classifications and Numeric Standards for South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as:

- Exhibit 1 - Regulation #31
- Exhibit 2 - Regulation #32
- Exhibit 3 - Regulation #33,
- Exhibit 4 - Regulation #34,
- Exhibit 5 - Regulation #35,
- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #31, Tracking Number 2019-00393, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00396

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-34

Rule title

REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN AND DOLORES RIVER BASINS

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Classifications and Numeric Standards for Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- Classifications and Numeric Standards for South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as:

- Exhibit 1 - Regulation #31
- Exhibit 2 - Regulation #32
- Exhibit 3 - Regulation #33,
- Exhibit 4 - Regulation #34,
- Exhibit 5 - Regulation #35,
- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #31, Tracking Number 2019-00393, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00403

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-34

Rule title

REGULATION NO. 34 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR SAN JUAN AND DOLORES RIVER BASINS

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Proposed revisions and proposed Statements of Basis, Specific Statutory Authority and Purpose have been submitted by the following:

- Exhibit 1 - Regulation #32, Water Quality Control Division (division);
- Exhibit 2 - Regulation #33, division;
- Exhibit 3 - Regulation #34, division;
- Exhibit 4 - Regulation #35, division;
- Exhibit 5 - Regulation #36, division;
- Exhibit 6 - Regulation #37, division;
- Exhibit 7 - Regulation #38, division;
- Exhibit 8 - Regulation #32, Resurrection Mining Company; and
- Exhibit 9 - Regulation #33, Climax Molybdenum Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 9, with expiration dates on or before December 31, 2021, will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.

Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 3:30 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN: 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #32, Tracking Number 2019-00401, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00397

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-35

Rule title

REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Classifications and Numeric Standards for Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- Classifications and Numeric Standards for South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as:

- Exhibit 1 - Regulation #31
- Exhibit 2 - Regulation #32
- Exhibit 3 - Regulation #33,
- Exhibit 4 - Regulation #34,
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- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
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Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #31, Tracking Number 2019-00393, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00404

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-35

Rule title

REGULATION NO. 35 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR GUNNISON AND LOWER DOLORES RIVER BASINS

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Proposed revisions and proposed Statements of Basis, Specific Statutory Authority and Purpose have been submitted by the following:

- Exhibit 1 - Regulation #32, Water Quality Control Division (division);
- Exhibit 2 - Regulation #33, division;
- Exhibit 3 - Regulation #34, division;
- Exhibit 4 - Regulation #35, division;
- Exhibit 5 - Regulation #36, division;
- Exhibit 6 - Regulation #37, division;
- Exhibit 7 - Regulation #38, division;
- Exhibit 8 - Regulation #32, Resurrection Mining Company; and
- Exhibit 9 - Regulation #33, Climax Molybdenum Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 9, with expiration dates on or before December 31, 2021, will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.

Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 3:30 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN: 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #32, Tracking Number 2019-00401, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00398

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-36

Rule title

REGULATION NO. 36 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR RIO GRANDE BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Classifications and Numeric Standards for Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- Classifications and Numeric Standards for San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Classifications and Numeric Standards for Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- Classifications and Numeric Standards for South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as:

- Exhibit 1 - Regulation #31
- Exhibit 2 - Regulation #32
- Exhibit 3 - Regulation #33,
- Exhibit 4 - Regulation #34,
- Exhibit 5 - Regulation #35,
- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
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Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

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- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

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Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #31, Tracking Number 2019-00393, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00405

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-36

Rule title

REGULATION NO. 36 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR RIO GRANDE BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Proposed revisions and proposed Statements of Basis, Specific Statutory Authority and Purpose have been submitted by the following:

- Exhibit 1 - Regulation #32, Water Quality Control Division (division);
- Exhibit 2 - Regulation #33, division;
- Exhibit 3 - Regulation #34, division;
- Exhibit 4 - Regulation #35, division;
- Exhibit 5 - Regulation #36, division;
- Exhibit 6 - Regulation #37, division;
- Exhibit 7 - Regulation #38, division;
- Exhibit 8 - Regulation #32, Resurrection Mining Company; and
- Exhibit 9 - Regulation #33, Climax Molybdenum Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 9, with expiration dates on or before December 31, 2021, will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.

Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 3:30 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

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Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

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PREHEARING CONFERENCE:

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Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #32, Tracking Number 2019-00401, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00406

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-37

Rule title

REGULATION NO. 37 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR LOWER COLORADO RIVER BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
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SCHEDULE OF IMPORTANT DATES

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Last date for submittal of motions	11/22/2019 by noon	Additional information below.
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Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

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- one contact person,
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- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

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PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

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Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #32, Tracking Number 2019-00401, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00399

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-37

Rule title

REGULATION NO. 37 - CLASSIFICATIONS AND NUMERIC STANDARDS FOR LOWER COLORADO RIVER BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
- Classifications and Numeric Standards for Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
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- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
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PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

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Notice of Proposed Rulemaking

Tracking number

2019-00400

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-38

Rule title

REGULATION NO. 38 - CLASSIFICATIONS AND NUMERIC STANDARDS SOUTH PLATTE RIVER BASIN LARAMIE RIVER BASIN REPUBLICAN RIVER BASIN SMOKY HILL RIVER BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

12:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

The proposed amendments revise the hardness-based cadmium table value standards to protect Aquatic Life use based on the US EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016. Revisions to address certain typographical errors for clarity are present, as well.

Statutory authority

Sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of hardness-based table value standards for Aquatic Life use based on the U.S. EPA's "Aquatic Life Ambient Water Quality Criteria - 2016" and toxicity data that have become available since EPA's recommended criteria were released in 2016; and revisions to address certain typographical errors to provide clarity in the following regulations:

- The Basic Standards and Methodologies for Surface Water, Regulation #31 (5 CCR 1002-31);
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- Classifications and Numeric Standards for Gunnison and Lower Dolores River Basins, Regulation #35 (5 CCR 1002-35);
- Classifications and Numeric Standards for Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
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- Exhibit 6 - Regulation #36,
- Exhibit 7 - Regulation #37,
- Exhibit 8 - Regulation #38,

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.
Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 2:15 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Rulemaking Hearing	12/9/2019 12:00 pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wqcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #31, Tracking Number 2019-00393, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00407

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-38

Rule title

REGULATION NO. 38 - CLASSIFICATIONS AND NUMERIC STANDARDS SOUTH PLATTE RIVER BASIN LARAMIE RIVER BASIN REPUBLICAN RIVER BASIN SMOKY HILL RIVER BASIN

Rulemaking Hearing**Date**

12/09/2019

Time

09:00 AM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021.

Statutory authority

Sections 25-8-202(1)(a), (b) and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S.

Contact information**Name**

Blake Beyea

Title

Unit Manager

Telephone

303-692-3656

Email

blake.beyea@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of new temporary modifications and revisions to current temporary modifications of water quality standards expiring on or before December 31, 2021, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2021, for multiple segments in the Classifications and Numeric Standards for:

- Arkansas River Basin, Regulation #32 (5 CCR 1002-32);
- Upper Colorado River Basin and North Platte River, Regulation #33 (5 CCR 1002-33);
- San Juan River and Dolores River Basins, Regulation #34 (5 CCR 1002-34);
- Gunnison and Lower Dolores River Basins, Regulation #35 (5CCR 1002-35);
- Rio Grande Basin, Regulation #36 (5 CCR 1002-36);
- Lower Colorado River Basin, Regulation #37 (5 CCR 1002-37); and
- South Platte River Basin, Laramie River Basin, Republican River Basin, Smoky Hill River Basin, Regulation #38 (5 CCR 1002-38).

Proposed revisions and proposed Statements of Basis, Specific Statutory Authority and Purpose have been submitted by the following:

- Exhibit 1 - Regulation #32, Water Quality Control Division (division);
- Exhibit 2 - Regulation #33, division;
- Exhibit 3 - Regulation #34, division;
- Exhibit 4 - Regulation #35, division;
- Exhibit 5 - Regulation #36, division;
- Exhibit 6 - Regulation #37, division;
- Exhibit 7 - Regulation #38, division;
- Exhibit 8 - Regulation #32, Resurrection Mining Company; and
- Exhibit 9 - Regulation #33, Climax Molybdenum Company.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 9, with expiration dates on or before December 31, 2021, will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/2/2019 5:00 pm	Additional information below.

Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 3:30 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposals	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 9:00 am	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN: 479 724#.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 in Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', written in a cursive style.

Trisha Oeth, Administrator



COLORADO

**Water Quality
Control Commission**

Department of Public Health & Environment

PLEASE NOTE

All exhibits to this Notice are available for review with the filing for Regulation #32, Tracking Number 2019-00401, included in this issue of the Colorado Register.

Notice of Proposed Rulemaking

Tracking number

2019-00392

Department

1000 - Department of Public Health and Environment

Agency

1002 - Water Quality Control Commission (1002 Series)

CCR number

5 CCR 1002-93

Rule title

REGULATION NO. 93 - COLORADO'S SECTION 303(D) LIST OF IMPAIRED WATERS
AND MONITORING AND EVALUATION LIST

Rulemaking Hearing**Date**

12/09/2019

Time

01:00 PM

Location

Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246

Subjects and issues involved

Proposed revisions to the list of Water Quality Limited Segments Requiring Total Maximum Daily Loads (TMDLs) and Colorado's Monitoring and Evaluation List.

Statutory authority

sections 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401, C.R.S.

Contact information**Name**

Skip Feeney

Title

Assessment Work Group Leader

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303-691-4928

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skip.feeney@state.co.us



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of revisions to Colorado's Section 303(d) List of Impaired Waters and Monitoring and Evaluation List, Regulation #93 (5 CCR 1002-93). Revisions proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as Exhibit 1, and listed portion descriptions of proposed changes are attached as Exhibit 2.

In these attachments, proposed new language is shown with double-underlining and proposed deletions are shown with ~~strikeouts~~. Any alternative proposals related to the subject of this hearing will also be considered.

SCHEDULE OF IMPORTANT DATES

Proponent's prehearing statement due	9/18/2019 5:00 pm	Additional information below.
Party status requests due	10/02/2019 5:00 pm	Additional information below.
Responsive prehearing statements due	10/16/2019 5:00 pm	Additional information below.
Rebuttal statements due	11/20/2019 5:00 pm	Additional information below.
Last date for submittal of motions	11/22/2019 by noon	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/22/2019 by noon	Send email to cdphe.wgcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/25/2019 1:00 pm	Carson Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246 Google Hangout #: +1 475-441-4506 PIN: 479 724#
Cutoff of negotiations	11/27/2019	N/A
Division's consolidated proposal	12/4/2019	N/A
Rulemaking Hearing	12/9/2019 1:00pm	Sabin Cleere Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wgcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Party status requests must be in writing and must provide:

- the organization's name,
- one contact person,
- a mailing address,
- a phone number, and
- email addresses of all individuals associated with the party who wish to be notified when new submittals are available on the commission's website for review.

In accordance with section 25-8-104(2)(d), C.R.S., any person who believes that the actions proposed in this notice have the potential to cause material injury to his or her water rights is requested to so indicate, along with an explanation of the alleged harm, in their party status request.

PREHEARING AND REBUTTAL STATEMENTS:

Each party must submit a prehearing statement: parties that have proposed revisions attached as exhibits to the notice must submit a proponent's prehearing statement. All other parties must submit a responsive prehearing statement. Proponents may also submit responsive prehearing statements when there are multiple proposals attached to the notice.

Each prehearing and rebuttal statement must be provided as a separate PDF document from any accompanying written testimony or exhibits.

Following the rebuttal statement due date, no other written materials will be accepted from parties except for good cause shown.

Oral testimony at the hearing should primarily summarize written material previously submitted. The hearing will emphasize commission questioning of parties and other interested persons about their written prehearing submittals. Introduction of written material at the hearing by those with party status will not be permitted unless authorized by the commission.

PREHEARING CONFERENCE:

Attendance at the prehearing conference is mandatory for all persons requesting party status. Parties needing to participate by telephone are encouraged to notify the commission office prior to the prehearing conference. Remote participants can call +1 475-441-4506 and enter the PIN 479 724# to access the Google Hangout.

Following the cut-off date for motions, no motions will be accepted, except for good cause shown.

PUBLIC PARTICIPATION ENCOURAGED:

The commission encourages input from non-parties, either orally at the hearing or in writing prior to the hearing. Written submissions should be emailed to cdphe.wgcc@state.co.us by November 26, 2019.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202(1)(a), (b), and (2); 25-8-203; 25-8-204; and 25-8-402, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 12th day of August, 2019 at Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

A handwritten signature in dark ink, appearing to read 'Trisha Oeth', is written over a horizontal line.

Trisha Oeth, Administrator

EXHIBIT 1
Water Quality Control Division

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

**REGULATION #93 - COLORADO'S SECTION 303(D) LIST OF IMPAIRED WATERS AND
MONITORING AND EVALUATION LIST**

5 CCR 1002-93

93.1 Authority

These regulations are promulgated pursuant to section 25-8-101 et seq C.R.S. as amended, and in particular, 25-8-202 (1) (a), (b), (i), (2) and (6); 25-8-203 and 25-8-204.

93.2 Purpose

This regulation establishes Colorado's Lists of Impaired Waters. These waters include Water-Quality-Limited Segments Requiring Total Maximum Daily Loads ("TMDLs"), ~~impaired waters that do not require a TMDL~~ Impaired Water Bodies with Approved TMDLs and 4b Plans, and Colorado's Monitoring and Evaluation List.

- (1) The list of Water-Quality-Limited Segments Requiring TMDLs fulfills requirements of section 303(d) of the federal Clean Water Act which requires that states submit to the U.S. Environmental Protection Agency a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards. These segments are included in Section 93.3 with parameters included in the Clean Water Section 303(d) Impairment column.
- (2) Colorado's Monitoring and Evaluation List identifies water bodies where there is reason to suspect water quality problems, but there is also uncertainty regarding one or more factors, such as the representative nature of the data. ~~Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List.~~ This Monitoring and Evaluation list is a state-only document that is not subject to EPA approval. These segments are included in Section 93.3 with parameters included in the Colorado's Monitoring and Evaluation column.
- (3) The list of Water-Quality-Limited Segments Not Requiring a TMDL identifies segments where data is available that indicates that at least one classified use is not being supported, but a TMDL is not needed. These segments and parameters are included in Section 93.4.

EXHIBIT 1
Water Quality Control Division

93.3 Water Bodies Requiring TMDLs or Identified for Monitoring and Evaluation

Only those segments where a Clean Water Section 303(d) Impairment has been determined require TMDLs. For these segments, TMDLs are only required for those parameters that are identified as impairments.

The table below includes several key data elements that warrant description. They are: Waterbody ID, Listed Portion/Assessment Unit ID (AUID), Impaired Use, Category/List, and Priority.

- Waterbody ID and Assessment Unit ID: For each impairment listed in the table, both a Waterbody ID (WBID) and an Assessment Unit ID (AUID) description are provided. The WBID ID describes the entire segment and is derived from basin regulations 32-38. The AUID, which includes an underscore and letter, describes the spatial extent of the impairment listings within the waterbody ID. The AUID is referred to as the “Listed Portion.” In situations when the listed portion description matches the segment description, the entire segment is listed.
- Impaired Use: The Impaired Use refers to a designated use that is applied to the water body segment. Standards adopted to protect the referred impaired use are not in attainment.
- Category/List: These categories refer to the Environmental Protection Agency reporting categories associated with waterbody attainment status:
 - 1. Meets all designated uses,
 - 2. Meets some designated uses,
 - 3b. Insufficient data to make a determination (Monitoring and Evaluation List),
 - 4a. Impaired with an approved TMDL,
 - 4b. Impaired with an approved 4b plan,
 - 4c. Impaired due to pollution and
 - 5. Impaired without a TMDL completed.
- Priority: This is the Total Maximum Daily Load development priority. Priority options within Regulation #93 include:
 - H= High Priority
 - M= Medium Priority
 - L= Low Priority

93.3 Water Bodies Requiring TMDLs or Identified for Monitoring and Evaluation

COARFO01a	1a. Mainstem of Fountain Creek, including all tributaries and wetlands, from the source to a point immediately above the confluence with Monument Creek, except for specific listings in segment 1b.				
Listed portion:	COARFO01a_B	Mainstem of Fountain Creek from source to above Monument Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Uranium (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Cadmium (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Lead (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COARFO01b	1b. Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.				
Listed portion:	COARFO01b_A	Severy Creek and all tributaries from the source to a point just upstream of where US Forest Service Road 330 crosses the stream.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
COARFO02a	2a. Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.				
Listed portion:	COARFO02a_A	Mainstem of Fountain Creek from a point immediately above the confluence with Monument Creek to a point immediately above the State Highway 47 Bridge.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Lead (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARFO02b	2b. Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.				
Listed portion:	COARFO02b_A	Mainstem of Fountain Creek from a point immediately above the State Highway 47 Bridge to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M

COARFO03a	3a. All tributaries to Fountain Creek which are within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately above the confluence with Monument Creek to the confluence with the Arkansas River, except for the mainstem of Monument Creek in the Air Force Academy lands and specific listings in segment 3b.				
Listed portion:	COARFO03a_B	West Monument Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COARFO03a_C	Tributaries and wetlands to Cheyenne Creek not within National Forest boundaries. Bear Creek below Gold Camp Road to the confluence with Fountain Creek. Rock Creek from the National Forest boundary to Highway 115. North Monument and Beaver creeks from the source to the confluence with Monument Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARFO04a	4a. Mainstems of Jackson Creek, Monument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek and South Douglas Creek, from the sources to confluences with Monument Creek, including all tributaries and wetlands, which are not within the boundaries of the National Forest or Air Force Academy lands.				
Listed portion:	COARFO04a_A	Mainstem of Jackson Creek, Monmument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek, and South Douglas Creek, from the sources to the confluences with Monument Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARFO04b	4b. All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek and an unnamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).				
Listed portion:	COARFO04b_A	All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a, and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek, and an unamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARFO04c	4c. Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including tributaries and wetlands, from the sources to confluences with Monument Creek.				
Listed portion:	COARFO04c_A	Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including all tributaries and wetlands, from the sources to the confluences with Monument Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H

COARFO04d	4d. All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) to and including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524), to the confluence with the Arkansas River.				
Listed portion:	COARFO04d_A	All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a, and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524) to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARFO04e	4e. All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) near Pueblo except for specific listings in 3a, 4d, 5a and 5b.				
Listed portion:	COARFO04e_A	All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) except for Little Fountain Creek, Sand Creek(s) (near Wigwam and Colorado Springs), and specific listings in segments 5 and 6.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COARFO04e_B	Sand Creek (near Wigwam), including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COARFO04e_C	Sand Creek (near Colorado Springs), including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COARFO04e_E	Little Fountain Creek, including all tributaries and wetlands, from immediately below Deadman Canyon to the confluence with Fountain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H

COARFO05a	5a. Jimmy Camp Creek, including all tributaries and wetlands from the source to Old Pueblo Road (38.673200, -104.696739). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek.				
Listed portion:	COARFO05a_A	Jimmy Camp Creek, including all tributaries and wetlands from the source to the irrigation diversion east of Old Pueblo Road (38.694, -104.683). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COARFO05a_B	Jimmy Camp Creek, including all tributaries and wetlands from the irrigation diversion east of Old Pueblo Road (38.694, -104.683) to Old Pueblo Road (38.6732, -104.696739).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
COARFO05b	5b. Jimmy Camp Creek from Old Pueblo Road (38.673200, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735) to the confluence with Fountain Creek.				
Listed portion:	COARFO05b_A	Jimmy Camp Creek from Old Pueblo Road (38.6732, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
COARFO06	6. Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Fountain Creek.				
Listed portion:	COARFO06_B	Mainstem of Monument Creek, from the boundary of National Forest lands to the confluence with Jackson Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Recreational Use	E. coli (May-Oct)	5. - 303(d)	Retain	H
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M
Listed portion:	COARFO06_C	Mainstem of Monument Creek, from the confluence with Jackson Creek to the confluence with Fountain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M

COARLA01a	1a. Mainstem of the Arkansas River from a point immediately above the confluence with Fountain Creek to immediately above the Colorado Canal headgate near Avondale.				
Listed portion:	COARLA01a_A	Mainstem of the Arkansas River from a point immediately above the confluence with Fountain Creek to immediately above the Colorado Canal headgate near Avondale.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
COARLA01b	1b. Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.				
Listed portion:	COARLA01b_A	Mainstem of the Arkansas River from the Colorado Canal headgate to the inlet to John Martin Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COARLA01c	1c. Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.				
Listed portion:	COARLA01c_A	Mainstem of the Arkansas River from the outlet of John Martin Reservoir to the Colorado/Kansas border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Uranium (Total)	5. - 303(d)	Retain	H
COARLA02a	2a. All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 3a through 9b, and Middle Arkansas Basin listings.				
Listed portion:	COARLA02a_B	All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 2d, 3a through 9b, and Middle Arkansas Basin listings.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Sulfate	5. - 303(d)	Retain	H

COARLA03a	3a. Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.				
Listed portion:	COARLA03a_A	Mainstem of the Apishapa River, including all tributaries and wetlands, from the source to I-25, except for specific listings in Middle Arkansas segment 1 and Lower Arkansas segments 3b and 3c.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COARLA04a	4a. Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River. Mainstem of Timpas Creek from the source to the Arkansas River.				
Listed portion:	COARLA04a_A	Mainstem of Timpas Creek from the source to the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
Listed portion:	COARLA04a_B	Mainstem of the Apishapa River from I-25 to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
COARLA05b	5b. Mainstem of the North Fork of the Purgatoire River, including all tributaries and wetlands, from a point immediately below the confluence with Guajatomah Creek to the confluence with the Purgatoire River. Mainstem of the Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to the confluence with the North Fork of the Purgatoire River. Mainstem of the South Fork of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.				
Listed portion:	COARLA05b_A	NF of the Purgatoire River, including all tributaries and wetlands, from Guajatomah Ck to Purgatoire River. Middle Fork of the Purgatoire River from the Bar Ni Ranch Road at Stonewall Gap to NF of the Purgatoire River. SF of the Purgatoire River from Tercio to the confluence with the Purgatoire River. Mainstem of the Purgatoire River to Trinidad Lake. Mainstem of Long Canyon Creek from the source to Trinidad Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COARLA05b_B	Long Canyon Creek from source to Trinidad Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COARLA06a	6a.All tributaries to the Purgatoire River, including all wetlands, from the source to Interstate 25, except for specific listings in segments 4b, 5a, 5b, 5c and 6b.				
Listed portion:	COARLA06a_B	Apache Canyon and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	M
Listed portion:	COARLA06a_C	Sarcillo Canyon and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
Listed portion:	COARLA06a_D	Reilly Canyon and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
Listed portion:	COARLA06a_E	Banarito Canyon			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	M
Listed portion:	COARLA06a_F	Bingham Canyon			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
COARLA06b	6b.Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.				
Listed portion:	COARLA06b_A	Wet Canyon and all tributaries, including wetlands, from the source to the confluence with the Purgatoire River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
COARLA07	7. Mainstem of the Purgatoire River from Interstate 25 to the confluence with the Arkansas River.				
Listed portion:	COARLA07_A	Mainstem of the Purgatoire River from Interstate 25 to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA

COARLA09a 9a. Mainstems of Adobe, Buffalo, Cheyenne, Clay, Gageby, Horse, Two Butte, Wildhorse and Wolf Creeks from their sources to their confluences with the Arkansas River. Mainstems of Chacuacho Creek, San Francisco Creek, Trinchera Creek and Van Bremer Arroyo from their sources to their confluences with the Purgatoire River. Mainstem of Willow Creek from Highway 287 to the confluence with the Arkansas River. Mainstem of Big Sandy Creek from the source to the El Paso/Elbert county line. Mainstem of South Rush Creek from the source to the confluence with Rush Creek. Mainstem of Middle Rush Creek from the source to the confluence with North Rush Creek. North Rush Creek from the source to the confluence with South Rush Creek. Mainstem of Rush Creek to the Lincoln County Line. Mainstem of Antelope Creek from the source to the confluence with Rush Creek; the West May Valley drain from the Fort Lyon Canal to the confluence with the Arkansas River.

Listed portion: **COARLA09a_A** Mainstem (MS) of Buffalo, Cheyenne, Clay, Gageby, Two Butte, Wildhorse and Wolf Cks from sources to the Ark. R. MS of Chacuacho, San Francisco, Trinchera and Van Bremer Cks from sources to the Purgatoire R. MS of Willow Ck from HWY 287 to the confl. with the Ark. R. MS of Big Sandy Creek from source to the El Paso/Elbert cty line. MS of South Rush Ck from source to the confl. with Rush Ck. MS of Middle Rush Ck from source to the confl. with North Rush Ck. North Rush Ck from source to the confl. with South Rush Ck. MS of Rush Ck to the Lincoln cty Line. MS of Antelope Ck from source to the confluence with Rush Ck; the West May Valley drain from Fort Lyon Canal to the confl. with the Ark. R.

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

Listed portion: **COARLA09a_B** Mainstem of Horse Creek

Affected Use	Analyte	Category / List	Proposed Action	Priority
Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
Water Supply Use	Uranium (Total)	3b. - M&E list	Retain	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

Listed portion: **COARLA09a_C** Mainstem of Adobe Creek

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
Recreational Use	E. coli	5. - 303(d)	Retain	H

COARLA09b 9b. Mainstem of Apache Creek from the source to the confluence with the North Rusk Creek. Mainstem of Breckenridge Creek from the source to the confluence with Horse Creek. Mainstem of Little Horse Creek from the source to the confluence with Horse Creek. Mainstem of Bob Creek from the source to Meredith Reservoir. Mainstem of Big Sandy Creek within Prowers County. Mainstem of Rule Creek from the Bent/Las Animas county line to John Martin Reservoir. Mainstem of Muddy Creek from the south boundary of the Setchfield State Wildlife Area to the confluence with Rule Creek. Mainstem of Caddoa Creek from CC Road to the confluence with the Arkansas River. Mainstem of Cat Creek from the source to the confluence with Clay Creek. Mainstem of Mustang Creek from the source to the confluence with Apishapa River. Mainstem of Chicosa Creek from the source to the Arkansas River. Mainstem of Smith Canyon from the Otero/Las Animas county line to the confluence with the Purgatoire River. Mainstem of Mud *

Listed portion: **COARLA09b_A** Mainstem (MS) of Apache Ck. MS of Breckenridge Ck. MS of Little Horse Ck. MS of Bob Ck. MS of Rule Ck from Bent/Las Animas County line. MS of Muddy Ck from south boundary of Setchfield SWA. MS of Caddoa Ck from CC Rd. MS of Cat Ck. MS of Mustang Ck from the source to the confl. with Apishapa R. MS of Chicosa Ck from source to the Ark. R. MS of Smith Canyon from Otero/Las Animas county line to the confl. with Purgatoire R. MS of Mud Ck from V Rd to the confl. with the Arkansas R. MS of Frijole Ck and Luning Arroyo from sources to confl. with Purgatoire R. MS of Blackwell Arroyo from source to the confl. with Luning Arroyo. MS of San Isidro Ck from source to the confl. with San Francisco Ck.

Affected Use	Analyte	Category / List	Proposed Action	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M

Listed portion: **COARLA09b_B** Big Sandy Creek within Prowers County

Affected Use	Analyte	Category / List	Proposed Action	Priority
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M

COARLA10 10. Two Buttes Reservoir, Two Buttes Pond, Hasty Lake, Holbrook Reservoir, Burchfield Lake, Nee-Skah (Queens) Reservoir, Adobe Creek Reservoir, Neeso Pah Reservoir, Nee Noshe Reservoir; Nee Gronda Reservoir.

Listed portion: **COARLA10_B** Adobe Creek Reservoir

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion: **COARLA10_C** Nee Gronda Reservoir

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L

COARLA11	11. John Martin Reservoir.				
Listed portion:	COARLA11_A	John Martin Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COARLA12	12. Lake Henry, Lake Meridith.				
Listed portion:	COARLA12_A	Lake Meredith			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
Listed portion:	COARLA12_B	Lake Henry			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COARLA15	15. All lakes and reservoirs tributary to the mainstem of the North Fork of the Purgatoire River from the source to a point immediately below the confluence with Guajatoyah Creek. All lakes and reservoirs tributary to the Middle Fork of the Purgatoire River from the source to the USGS gage at Stonewall mainstem of the South Fork of the Purgatoire River, from the source to Tercio. Monument Lake, North Lake, Trinidad Lake, Long Canyon Reservoir and Lake Dorothy.				
Listed portion:	COARLA15_B	Trinidad Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen (Temperature)	5. - 303(d)	Retain	H
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COARMA02	2. Mainstem of the Arkansas River from the outlet of Pueblo Reservoir to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.				
Listed portion:	COARMA02_A	Mainstem of the Arkansas River from Blue Ribbon Creek to a point immediately above the confluence with Wildhorse/Dry Creek Arroyo.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COARMA02_B	Mainstem of the Arkansas River from Pueblo Reservoir to Blue Ribbon Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H

COARMA03	3. Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.				
Listed portion:	COARMA03_A	Mainstem of the Arkansas River from a point immediately above the confluence with Wildhorse/Dry Creek Arroyo to a point immediately above the confluence with Fountain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARMA04a	4a. Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River.				
Listed portion:	COARMA04a_A	Mainstem of Wildhorse Creek from the source to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COARMA04b	4b. Mainstem of Rock Creek, Salt Creek and Peck Creek from their sources to the confluence with the Arkansas River.				
Listed portion:	COARMA04b_B	Mainstem of Salt Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
COARMA04c	4c. Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.				
Listed portion:	COARMA04c_A	Mainstem of Chico Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for specific listings in segment 4f.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Ammonia	5. - 303(d)	Retain	H
COARMA04g	4g. Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.				
Listed portion:	COARMA04g_A	Mainstem of Pesthouse Gulch, from the source to the confluence with Wildhorse Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COARMA06b	6b. Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.				
Listed portion:	COARMA06b_A	Mainstem of the Saint Charles River from the confluence with Edson Arroyo to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

COARMA07b	7b. Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.				
Listed portion:	COARMA07b_A	Mainstem of Greenhorn Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam. Mainstem of Graneros Creek below the San Isabel National Forest boundary. Muddy Creek, including all tributaries and wetlands, from the San Isabel National Forest boundary to 232/Bondurant Road.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COARMA09	9. Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.				
Listed portion:	COARMA09_A	Mainstem of Greenhorn Creek, from a point immediately below the Greenhorn Highline (Hayden Supply Ditch) diversion dam, to the confluence with the Saint Charles River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
COARMA10	10. Mainstem of Sixmile Creek from the source to the confluence with the Arkansas River.				
Listed portion:	COARMA10_A	Mainstem of Sixmile Creek from the source to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COARMA11b	11b. Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.				
Listed portion:	COARMA11b_A	Mainstem of the Huerfano River, including all tributaries and wetlands, from 570 Road near Malachite to Highway 69 at Badito, except for the specific listings in segment 1, 11a and 17.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	H
COARMA12	12. Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.				
Listed portion:	COARMA12_A	Mainstem of Huerfano River from Highway 69 at Badito to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L

COARMA13a 13a. All tributaries, including wetlands, to the Cucharas River within the San Isabel National Forest boundaries, except for the specific listings in segment 1. Mainstem of the Cucharas River, from the source to a point immediately above the confluence with Middle Creek, except for the specific listings in segment 1. Wahatoya Creek, including all tributaries and wetlands, from the source to the confluence with the Cucharas River, except for the specific listings in segment 1. All tributaries to Middle Creek, including wetlands, from the source to a point immediately below the confluence of North and South Middle Creeks.

Listed portion: **COARMA13a_B** Wahatoya Creek within the national forest boundry.

Affected Use	Analyte	Category / List	Proposed Action	Priority
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COARMA13c 13c. All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.

Listed portion: **COARMA13c_A** All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.

Affected Use	Analyte	Category / List	Proposed Action	Priority
Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	H
Water Supply Use	Sulfate	5. - 303(d)	Retain	H

COARMA14 14. Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.

Listed portion: **COARMA14_A** Mainstem of the Cucharas River from the point of diversion for the Walsenburg public water supply to the outlet of Cucharas Reservoir.

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H

COARMA18a 18a Mainstem of Boggs Creek from the source to Pueblo Reservoir.

Listed portion: **COARMA18a_A** Mainstem of Boggs Creek from the source to Pueblo Reservoir.

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
Water Supply Use	Uranium (Total)	4a. - TMDL	Retain	NA
Water Supply Use	Sulfate	5. - 303(d)	Retain	L
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COARMA26 26. ,Horseshoe Lake, Martin Lake (Ohem Lake) and Walsenburg Lower Town Lake..

Listed portion: **COARMA26_B** Horseshoe Lake (lake Meriam)

Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	COARMA26_C	Martin Lake (Ohem Lake)			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Temperature	5. - 303(d)	Retain	L
COARUA01a	1a. All streams and wetlands within Mount Massive and Collegiate Peaks Wilderness areas.				
Listed portion:	COARUA01a_B	(McNasser Gulch, South Fork of Lake Creek, and Sayres Gulch) within Mount Massive and Collegiate Peaks Wilderness areas.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
Listed portion:	COARUA01a_C	(Graham Gulch, Mountain Boy Gulch, and North Fork of Lake Creek) within Mount Massive and Collegiate Peaks Wilderness areas.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
COARUA01b	1b. Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.				
Listed portion:	COARUA01b_A	Mainstem of the East Fork of the Arkansas River from its source to a point immediately above the confluence with Birdseye Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COARUA02a	2a. Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.				
Listed portion:	COARUA02a_A	Mainstem of the East Fork of the Arkansas River and the Arkansas River from a point immediately above the confluence with Birdseye Gulch to a point immediately above the confluence with the California Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COARUA02b	2b. Mainstem of the Arkansas River from a point immediately above California Gulch to a point immediately above the confluence with Lake Fork.				
Listed portion:	COARUA02b_A	Mainstem of the Arkansas River from a point immediately above California Gulch to a point immediately above the confluence with Lake Fork.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA

COARUA02c	2c. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.				
Listed portion:	COARUA02c_A	Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Fork to a point immediately above the confluence with Lake Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COARUA03	3. Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.				
Listed portion:	COARUA03_A	Mainstem of the Arkansas River from a point immediately above the confluence with the Lake Creek to the Chaffee/Fremont County line.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COARUA04a	4a. Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, due east of Florence.				
Listed portion:	COARUA04a_A	Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, (38.390243, -105.068648) due east of Florence.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COARUA04b	4b. Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, due east of Florence, to the inlet of Pueblo Reservoir.				
Listed portion:	COARUA04b_A	Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, (38.390243, -105.068648) due east of Florence, to the inlet of Pueblo Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
COARUA05	5. All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for specific listings in segments 6 through 12b.				
Listed portion:	COARUA05a_A	All tributaries to the Arkansas River, including wetlands, from the source to immediately below the confluence with Brown's Creek, except for the Lake Fork below Sugarloaf Dam, Colorado Gulch and its tributaries, Halfmoon Creek, and specific listings in segments 5b through 12b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	303(d) / Remove	NA

Listed portion:	COARUA05a_B	Lake Fork below Sugarloaf Dam to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H

Listed portion:	COARUA05a_C	Colorado Gulch and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

COARUA07 7. Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.

Listed portion:	COARUA07_A	Mainstem of Evans Gulch from the source to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COARUA08b 8b. Mainstem of Iowa Gulch from a point immediately below the historic upper ASARCO water supply intake at 39.224327, -106.223432 to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch).

Listed portion:	COARUA08b_A	Mainstem of Iowa Gulch from a point immediately below the ASARCO water supply intake to a point immediately below the headgate of the Paddock #1 Ditch (Iowa Ditch).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA

COARUA10	10. Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.				
Listed portion:	COARUA10_A	Mainstem of Lake Creek, including all tributaries and wetlands, from the source to the confluence with the Arkansas River, except for the specific listing in segment 11.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
COARUA11	11. Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.				
Listed portion:	COARUA11_A	Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COARUA12a	12a. Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.				
Listed portion:	COARUA12a_A	Mainstem of Chalk Creek from the source to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
COARUA14c	14c. Mainstems of North and South Hardscrabble Creeks, including all tributaries and wetlands, from their sources to their confluences.				
Listed portion:	COARUA14c_B	North Hardscrabble Creek and tributaries, from the source to the confluence.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
COARUA14f	14f. Turkey Creek including all tributaries and wetlands from its source to immediately below the confluence with Little Turkey Creek at 38.594727, -104.851458.				
Listed portion:	COARUA14f_B	Turkey Creek above the unnamed tributary that drains Mount Pittsburg (38.615, -104.903)			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA

COARUA15a	15a. Mainstem of Badger Creek from the source to the confluence with the Arkansas, including all tributaries and wetlands. Mainstem of Texas Creek from the forest service boundary to the confluence with the Arkansas River, including all tributaries and wetlands which are not on forest service land.				
Listed portion:	COARUA15a_A	Mainstem of Badger from the source to the confluence with the Arkansas, includeing all tributaries ans wetlands, Mainstem of Texas Creek from the forest service boundry to the confluence with the Arkansas River, including all tributaries and wetlands which are not on the forest service land.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COARUA15b	15b. Mainstem of Grape Creek, including all tributaries and wetlands, from the source to the outlet of De Weese Reservoir, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).				
Listed portion:	COARUA15b_A	Mainstem of Grape Creek, including all tributaries and wetlands, from the source to Antelope Creek, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COARUA15b_B	Grape Creek and its tributaries from Antelope Creek to Deweese Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COARUA20b	20b. Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.				
Listed portion:	COARUA20b_A	Mainstem of Fourmile Creek, including all tributaries and wetlands, from the confluence with Long Gulch to the confluence with the Arkansas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA

COARUA30	30. Turquoise Reservoir, Clear Creek Reservoir, Twin Lakes and Mt. Elbert Forebay.				
Listed portion:	COARUA30_B	Twin Lake West			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
COARUA35	35. DeWeese Reservoir.				
Listed portion:	COARUA35_A	DeWeese Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Total Phosphorus	5. - 303(d)	Retain	H
COARUA38	38. All lakes and reservoirs tributary to the mainstem of East and West Beaver Creeks from the source to the confluence with Beaver Creek. This segment includes Skagway and Bison Reservoirs.				
Listed portion:	COARUA38_B	Skagway Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COARUA40	40. Brush Hollow Reservoir.				
Listed portion:	COARUA40_A	Brush Hollow Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
COARUA41	41. Teller Reservoir				
Listed portion:	COARUA41_A	Teller Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	3b. - M&E list	Retain	NA
COGULD02	2. Mainstem of the Dolores River from the Highway 141 road crossing near Slick Rock to the Colorado/Utah border.				
Listed portion:	COGULD02_B	Mainstem of Dolores River from Big Gypsum Creek to East Paradox Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Change from M&E to 303(d)	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H

Listed portion:	COGULD02_C	Mainstem of Dolores River from East Paradox Creek to the San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Chloride	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Temperature	5. - 303(d)	Change from M&E to 303(d)	H
Listed portion:	COGULD02_D	Mainstem of the Dolores River Above Big Gypsum Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
Listed portion:	COGULD02_E	Mainstem of Dolores River below the confluence with the San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
COGULD03a	3a. All tributaries to the Dolores River, including all wetlands, from the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line) to the Colorado/Utah border, except for specific listings in Segments 3b, 3c, 4, 5, and 6.				
Listed portion:	COGULD03a_B	Disappointment Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Nitrate	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
COGULD04	4. Mainstem of West Paradox Creek from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. Mainstem and all tributaries to Blue Creek from the Uncompahgre National Forest boundary to the confluence with the Dolores River.				
Listed portion:	COGULD04_B	Mainstem of West Paradox Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA

COGULD05 5. Mainstem of West Creek from the source to the confluence with the Dolores River. Roc Creek including all tributaries and wetlands from the Manti-La Sal National Forest boundary to the confluence with the Dolores River. La Sal Creek, including all tributaries and wetlands, from the Utah/Colorado border to the confluence with the Dolores River. Mesa Creek, including all tributaries and wetlands, from the Uncompahgre National Forest boundary to the confluence with the Dolores River.

Listed portion:	COGULD05_B	Roc Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H

Listed portion:	COGULD05_D	Mesa Creek and tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	COGULD05_E	Mainstem of West Creek from the source to the confluence with the Dolores River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H

COGULG01 1. Mainstem of the Gunnison River from the outlet of Crystal Reservoir to Highway 65 (38.772574, -108.002634).

Listed portion:	COGULG01_C	Mainstem of the Gunnison River from North Fork to Highway 65.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA

COGULG02 2. Mainstem of the Gunnison River from Highway 65 (38.772574, -108.002634) to the confluence with the Colorado River.

Listed portion:	COGULG02_A	Mainstem of the Gunnison River from a point immediately above the confluence with the Uncompahgre River to the confluence with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L

Listed portion:	COGULG02_B	Mainstem of the Gunnison River from Highway 65 to a point immediately above the confluence with the Uncompahgre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L

COGULG04a 4a. All tributaries to the Gunnison River, including all wetlands which are not within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork of the Gunnison River sub-basin, the Uncompahgre River sub-basin, and in Segments 3, 4b, 4c, 5a, 5b, 6a, 6b, 6c, 7, 8a, 8b, 10 and 12.

Listed portion:	COGULG04a_B	Callow Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA

Listed portion:	COGULG04a_C	Cummings Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M

Listed portion:	COGULG04a_D	Whitewater Creek from below Brandon Ditch to confluence with Gunnison River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L

Listed portion:	COGULG04a_E	Wells Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA

Listed portion:	COGULG04a_F	Peach Valley Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COGULG04a_I	All tributaries to the Gunnison River, including all wetlands which are not within national forest boundaries, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork of the Gunnison River sub-basin, the Uncompahgre River sub-basin, Segments (3, 4b, 4c, 5 through 8b, 10a, 10b, and 12), Callow Ck, Cummings Gulch, Whitewater CK blw Brandon Ditch, Wells Gulch, and Peach Valley Ck.that have a TMDL			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGULG04b	4b. All tributaries to Reeder, Hollenbeck, and Juniata Reservoirs, and the mainstem of Kannah Creek below the point of diversion for public water supply (38.961321, -108.229830).				
Listed portion:	COGULG04b_A	All tributaries to Reeder, Hollenbeck and Juniata Reservoirs, excluding Kannah Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COGULG04b_B	Mainstem of Kannah Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGULG04c	4c. Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.				
Listed portion:	COGULG04c_A	Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COGULG07b	7b. Mainstem of Surface Creek from the point of diversion of water supply (38.965216, -107.876031) to the confluence with Tongue Creek; mainstem of Tongue Creek from its inception at the confluence of Ward Creek and Dirty George Creek to the confluence with the Gunnison River; mainstem of Youngs Creek from the national forest boundary to the confluence with Kiser Creek; mainstem of Kiser Creek from the national forest boundary to the confluence with Ward Creek.				
Listed portion:	COGULG07b_C	Mainstem of Tongue Creek from its inception at the confluence of Ward Creek and Dirty George Creek to the confluence with the Gunnison River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L

COGULG09	9. Fruitgrowers Reservoir.				
Listed portion:	COGULG09_A	Fruitgrowers Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	4a. - TMDL	Retain	NA
COGULG11b	11b. All tributaries to the Smith Fork, including all wetlands, which are within the West Elk Wilderness Area.				
Listed portion:	COGULG11b_B	Lunch Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
COGULG12	12. All tributaries to the Smith Fork, including all wetlands, which are not within national forest boundaries, except for the specific listing in Segment 11a.				
Listed portion:	COGULG12_B	Muddy Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGULG15	15. Island Lake, Eggleston Lake, and Trickle Park Reservoir (aka Park Reservoir).				
Listed portion:	COGULG15_B	Eggleston Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
COGULG16	16. All lakes and reservoirs that are tributary to the Gunnison River, from the outlet of Crystal Reservoir to the confluence with the Colorado River, and not within national forest boundaries, excluding the listings in the North Fork of the Gunnison sub-basin, the Uncompahgre River sub-basin, and Segments 9, 13, and 19. This segment includes Poison Springs Reservoir, Dry Fork Reservoir, Delta Reservoir, Winkler Reservoir, Desert Reservoir, Alkali Reservoir, Cheney Reservoir, Juniata Reservoir, Hallenbeck Reservoir, Reeder Reservoir, Enochs Lake, Gobbo Reservoir, Schrader Reservoir, and King Reservoir.				
Listed portion:	COGULG16_B	Jatz Bottomlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	COGULG16_C	Maggio Ponds			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	H

Listed portion:	COGULG16_D	Peters Ponds 1, 2, 3, and 4.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	H
COGUNF03	3. Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the Gunnison River.				
Listed portion:	COGUNF03_B	Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the unnamed tributary east of Lazear Colorado.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COGUNF03_C	Mainstem of North Fork of the Gunnison River from the unnamed tributary east of Lazear Colorado to the confluence with the Gunnison River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COGUNF04a	4a. Tributaries and wetlands to Muddy Creek within national forest boundaries. Anthracite Creek, including all tributaries and wetlands, from the source to the confluence with Muddy Creek. All tributaries to the North Fork of the Gunnison from its inception at the confluence of Muddy Creek and Anthracite Creek to the confluence with the Gunnison River within national forest boundaries. This segment excludes the specific listings in Segments 1 and 4c.				
Listed portion:	COGUNF04a_B	Ruby Anthracite Creek and its tributaries in the National forest except for the tributaries to Lake Irwin.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COGUNF04b	4b. Muddy Creek, including all tributaries and wetlands, from the national forest boundary to the confluence with Anthracite Creek, except for the specific listings in Segment 1.				
Listed portion:	COGUNF04b_B	East Muddy Creek from Forest Boundary to Confluence with Muddy Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUNF04b_C	Mainstem of Muddy Creek to Anthracite Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli (May-October)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COGUNF04c	4c. All tributaries to Lake Irwin from their sources to the inlet of Lake Irwin.				
Listed portion:	COGUNF04c_A All tributaries to Lake Irwin.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
COGUNF05a	5a. Mainstems of Hubbard Creek, Terror Creek, and Minnesota Creek, from the national forest boundary to their confluences with the North Fork of the Gunnison River; mainstem of Jay Creek from its source to its confluence with the North Fork of the Gunnison River.				
Listed portion:	COGUNF05a_C Mainstem of Jay Creek.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGUNF05b	5b. Mainstem of Roatcap Creek, including all tributaries and wetlands, from the source to the confluence with the North Fork of the Gunnison. Leroux Creek from the national forest boundary to its confluence with the North Fork of the Gunnison River.				
Listed portion:	COGUNF05b_B Mainstem of Leroux Creek from the forest to the confluence with North Fork of the Gunnison River.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGUNF06a	6a. All tributaries, including wetlands, to the North Fork of the Gunnison River from its inception at the confluence of Muddy Creek and Anthracite Creek to the confluence with the Gunnison River, and not within national forest boundaries, except for the specific listings in Segments 5a, 5b, 6b, and 6c.				
Listed portion:	COGUNF06a_B Unnamed tributary to North Fork Gunnison River near Hotchkiss				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	COGUNF06a_C Coal Gulch, Hawksnest Creek, and Gribble Gulch				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA

COGUNF06b	6b. Mainstem and all tributaries to Bear Creek and Stevens Gulch. All tributaries, including wetlands, to the North Fork of the Gunnison River that are north of the North Fork of the Gunnison River, from a point immediately above the confluence with Roatcap Creek to the confluence with the Gunnison River, and are not within national forest boundaries; all tributaries, including wetlands, to the North Fork of the Gunnison River that are south of the North Fork of the Gunnison River, from a point immediately above the confluence with Minnesota Creek to the confluence with the Gunnison River, and are not within national forest boundaries, excluding the specific listings in Segments 5a and 5b.				
Listed portion:	COGUNF06b_A	Mainstem and all tributaries to Bear, Reynolds, Bell, McDonald, Cow, Dever, German and Miller Creeks; and Love, Stevens, Big and Stingley Gulches that are not within national forest boundaries, from the source to the North Fork of the Gunnison River, excluding the specific listings in Segments 5a and 5b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COGUNF06b_B	Cottonwood Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
Listed portion:	COGUNF06b_C	Alum Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
Listed portion:	COGUNF06b_D	Big Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COGUNF06b_E	Short Draw			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COGUNF06b_F	Bell Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGUNF07	7. Paonia Reservoir and Overland Reservoir.				
Listed portion:	COGUNF07_B	Paonia Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA

COGUSM02	2. All tributaries and wetlands, to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, except for specific listings in Segments 1, 6a, 6b, 7 and 8.				
Listed portion:	COGUSM02_C	Cornet Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUSM02_D	Howard Fork above Swamp Canyon.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
Listed portion:	COGUSM02_E	Muddy Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
COGUSM03a	3a. Mainstem of the San Miguel River from its inception at the confluence of Bridal Veil and Ingram Creeks to a point immediately above the confluence of Marshall Creek.				
Listed portion:	COGUSM03a_A	Mainstem of the San Miguel River from its inception at the confluence of Bridal Veil and Ingram Creeks to a point immediately above the confluence of Marshall Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COGUSM03b	3b. Mainstem of the San Miguel River from a point immediately above the confluence of Marshall Creek to a point immediately above the confluence of the South Fork San Miguel River.				
Listed portion:	COGUSM03b_A	Mainstem of the San Miguel River from a point immediately above the confluence of Marshall Creek to a point immediately above the confluence of the South Fork San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COGUSM06a	6a. Mainstem of Ingram Creek including, all tributaries and wetlands, from the source to the confluence with the San Miguel River.				
Listed portion:	COGUSM06a_A	Mainstem of Ingram Creek including, all tributaries and wetlands, from the source to the confluence with the San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	Retain	M

COGUSM06b	6b. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with the San Miguel River.				
Listed portion:	COGUSM06b_A	Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with the San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
COGUSM07	7. Mainstem of Howard Fork and including tributaries and wetlands, from a point immediately below the confluence of Swamp Gulch to its confluence with the South Fork of the San Miguel River.				
Listed portion:	COGUSM07_A	Mainstem of the Howard Fork, all tributaries and wetlands, from the Swamp Gulch to the South Fork of the San Miguel River, excluding the Chapman Creek and the Iron Bog Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
Listed portion:	COGUSM07_B	Chapman Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
Listed portion:	COGUSM07_C	Iron Bog Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
COGUSM08	8. Mainstem of the South Fork of the San Miguel River from its inception at the confluence of the Howard and Lake Forks to its confluence with the San Miguel River.				
Listed portion:	COGUSM08_A	Mainstem of the South Fork of the San Miguel River from its inception at the confluence of the Howard and Lake Forks to its confluence with the San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUSM10b	10b. Mainstem of Naturita Creek and Tabeguache Creek from the point it exits the Uncompahgre National Forest at the most downstream boundary to the confluence with the San Miguel River.				
Listed portion:	COGUSM10b_B	Mainstem of Naturita Creek from the national forest to the confluence with the San Miguel River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA

COGUSM12a	12a. All tributaries and wetlands to Naturita Creek. All tributaries and wetlands to the San Miguel River from a point immediately below the confluence with Leopard Creek to a point immediately above Horsefly Creek. This segment excludes the listings in Segments 9, 11a, 11b, 12b, and 12c.				
Listed portion:	COGUSM12a_D	Specie Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUSM12a_E	McKenzie Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COGUSM12b	12b. All tributaries and wetlands to the San Miguel River from a point immediately above Horsefly Creek to the confluence with the Dolores River, excluding the listings in Segments 9, 11a, 12a, and 12c. Maverick Draw, including all tributaries and wetlands, from its source to the confluence with Naturita Creek.				
Listed portion:	COGUSM12b_D	Mainstem of Maverick Draw			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COGUSM12b_F	Coal Canyon and its tributaries, except for the North and South tributaries in Second Park.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
Listed portion:	COGUSM12b_G	Tuttle Draw and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
Listed portion:	COGUSM12b_H	Dry Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
Listed portion:	COGUSM12b_I	Second Park Tributary South			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
COGUSM14	14. All lakes and reservoirs tributary to the San Miguel River from its source to a point immediately below the confluence of Leopard Creek, except for the specific listings in Segments 13, 15, 16, 17 and 20. This segment includes Lake Hope, Cushman Lake, Alta Lakes, Blue Lake, Mud Lake, and Woods Lake.				
Listed portion:	COGUSM14_B	Applebaugh Pond			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA

COGUSM20	20. Trout Lake, Gurley Reservoir, Cone Reservoir, and Miramonte Reservoir.				
Listed portion:	COGUSM20_B	Miramonte Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen (Temperature)	5. - 303(d)	Retain	H
COGUUG01	1. All tributaries to the Gunnison River, including and wetlands, within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas.				
Listed portion:	COGUUG01_B	Stewart Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG01_C	All tributaries to the Gunnison River, including wetlands, within the La Garita, Powderhorn, West Elk, Collegiate Peaks, Maroon Bells, Raggeds, Fossil Ridge, or Uncompahgre Wilderness Areas, excluding Stewart Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUG02	2. All tributaries and wetlands from Beaver Creek to Meyers Gulch, from the West Elk Wilderness boundary to their confluences with Blue Mesa Reservoir, Morrow Point Reservoir, or the Gunnison River, excluding Steuben Creek, Willow Creek, and Soap Creek and their tributaries.				
Listed portion:	COGUUG02_D	Red Creek and East Elk Creek and their tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUG04	4. Mainstem of the Taylor River, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, except for specific listings in Segment 1.				
Listed portion:	COGUUG04_B	Mainstem of Taylor River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
COGUUG05a	5a. Mainstem of the East River, including all tributaries and wetlands, from its source to a point immediately above the confluence with the Slate River, except for specific listings in Segment 1.				
Listed portion:	COGUUG05a_A	Mainstem of the East River, including all tributaries and wetlands, from its sources to a point immediately above the confluence with the Slate River, except for specific listings in Segments 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA

COGUUG07	7. Mainstem of the Slate River from its source to a point immediately above the confluence with Coal Creek.				
Listed portion:	COGUUG07_A	Mainstem of the Slate River from its source to Oh-Be-Joyful Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG07_B	Mainstem of the Slate River from Oh-Be-Joyful Creek to a point immediately above the confluence with Coal Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
COGUUG08	8. Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.				
Listed portion:	COGUUG08_A	Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
COGUUG09	9. All tributaries and wetlands to the Slate River except for specific listings in Segments 1, 10a, 10b, 11, 12 and 13.				
Listed portion:	COGUUG09_B	Mainstem of Coal Creek from source to Elk Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COGUUG09_C	Mainstem of Washington Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG09_D	All tributaries and wetlands to the Slate River, excluding Coal Creek(above Elk Creek) and Washington Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Arsenic (Total)	5. - 303(d)	Retain	H

COGUUG10a	10a. Mainstem of Oh-Be-Joyful Creek from the boundary of the Raggeds Wilderness Area to the confluence with the Slate River.				
Listed portion:	COGUUG10a_A Mainstem of Oh-Be-Joyful Creek from the boundary of the Raggeds Wilderness Area to the confluence with the Slate River.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
COGUUG10b	10b. All tributaries, including wetlands, to Redwell Creek.				
Listed portion:	COGUUG10b_A All tributaries, including wetlands, to Redwell Creek.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
COGUUG11	11. Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately above the Keystone Mine discharge (38.867117, -107.023627). Elk Creek and its tributaries and wetlands from its source to its confluence with Coal Creek.				
Listed portion:	COGUUG11_B Elk Creek and its tributaries				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG11_D Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately above the Keystone discharge (38.867117, -107.023627) .				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COGUUG12	12. Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately above the Keystone Mine discharge (38.867117, -107.023627) to the confluence with the Slate River, with the exception of Wildcat Creek.				
Listed portion:	COGUUG12_C	Mainstem of Coal Creek, from a point immediately below the Keystone discharge (38.867117, -107.023627) to the confluence with the Slate River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUG15a	15a. All tributaries and wetlands to the Gunnison River from its inception at the confluence of the East and Taylor Rivers to the County Road 32 road crossing near the inlet of Blue Mesa Reservoir except for the specific listings in Segments 1, 15b, 16a, 16b, 17 through 24, and 26.				
Listed portion:	COGUUG15a_B	Mainstem of South Beaver Creek from Saguache/Gunnison County Line to the confluence with the Gunnison River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUG16a	16a. Mainstem of Ohio Creek, from the source to a point immediately below 7 Road. All tributaries to Ohio Creek, except for specific listings in Segment 1.				
Listed portion:	COGUUG16a_B	Mainstem of Ohio Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUG16b	16b. Mainstem of Ohio Creek from a point immediately below 7 Road to the confluence with the Gunnison River.				
Listed portion:	COGUUG16b_A	Mainstem of Ohio Creek from a point immediately below 7 Road to the confluence with the Gunnison River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COGUUG17a	17a. West Antelope Creek, including all tributaries and wetlands, from the source to the confluence with Antelope Creek.				
Listed portion:	COGUUG17a_A	West Antelope Creek, including all tributaries and wetlands, from the source to the confluence with Antelope Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA

COGUUG17b	17b. Mainstem of Antelope Creek, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, excluding the listings in Segment 17a.				
Listed portion:	COGUUG17b_A	Mainstem of Antelope Creek, including all tributaries and wetlands, from the source to the confluence with the Gunnison River, excluding the listings in Segment 17a.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
COGUUG18b	18b. Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.				
Listed portion:	COGUUG18b_A	Mainstem of Tomichi Creek and its wetlands from the confluence with Porphyry Creek to the confluence with the Gunnison River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COGUUG19	19. All tributaries to Tomichi Creek, including wetlands, which are within the boundaries of the Gunnison National Forest, except for specific listings in Segments 20 through 24. Mainstems of Barret, Razor, and Quartz Creeks from their sources to their confluences with Tomichi Creek. Hot Springs Creek from its source to the inlet of Hot Springs Reservoir.				
Listed portion:	COGUUG19_B	Mainstem of Razor Creek from source to confluence with Tomichi Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUG21	21. Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.				
Listed portion:	COGUUG21_A	Mainstem of Marshall Creek, including all tributaries and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUG23	23. Mainstem of Cochetopa Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with West Pass Creek with the exception of Segment 1.				
Listed portion:	COGUUG23_A	All tributaries and wetlands to mainstem Cochetopa Creek, from the sources to a point immediately below the confluence with West Pass Creek, excluding mainstem Cochetopa Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	COGUUG23_B	Mainstem of Cochetopa Creek from Nutras Creek to West Pass Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUG24 24. Mainstem of Cochetopa Creek from a point immediately below the confluence with West Pass Creek to the confluence with Tomichi Creek.					
Listed portion:	COGUUG24_A	Mainstem of Cochetopa Creek from West Pass Creek to Forest Road 3076/Co. Rd 43			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG24_B	Mainstem of Cochetopa Creek, from Forest Road 3076/Co. Rd 43 to the confluence with Tomichi Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUG26 26. All tributaries, including wetlands, which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir, or the segments of the Gunnison River that interconnect those reservoirs, except for specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32.					
Listed portion:	COGUUG26_B	Blue Creek and its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG26_C	Mainstem of Crystal Creek from source to confluence with the Gunnison River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COGUUG26_D	Willow Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUG26_E	All tributaries, including wetlands which are tributary to the Gunnison River from County Road 32 to the inlet of Blue Mesa Reservoir, Blue Mesa Reservoir, Morrow Point Reservoir, Crystal Reservoir or the segments of the Gunnison River that interconnect those reservoirs, except for (specific listings in Segments 1, 2, 29a, 29b, 30, 31, and 32) and the portions of Blue, Willow and Crystal Creeks.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COGUUG29a 29a. Mainstem of the Lake Fork of the Gunnison including all tributaries and wetlands, from the source to a point immediately above the confluence with Eaton Creek. Cebolla Creek, including all tributaries and wetlands, from the source to the Hinsdale/Gunnison County line. Powderhorn Creek, including all tributaries and wetlands, from the source to the confluence with Cebolla Creek. This segment excludes the specific listings in Segments 1, 29b, 30, 31, and 32.

Listed portion:	COGUUG29a_B	Deadman Creek/Gulch and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L

Listed portion:	COGUUG29a_C Lake Fork of the Gunnison River between Cooper and Silver Creek.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

Listed portion:	COGUUG29a_D Lake Fork of the Gunnison above Cooper Creek				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA

Listed portion:	COGUUG29a_I	Lake Fork of the Gunnison between Silver Creek and Cottonwood Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA

COGUUG29b	29b. Mainstem of the Lake Fork of the Gunnison, including all tributaries and wetlands, from a point immediately above the confluence with Eaton Creek, to Blue Mesa Reservoir. Cebolla Creek, including all tributaries and wetlands, from the Hinsdale/Gunnison County line, to Blue Mesa Reservoir, excluding the listings in Segment 29a.				
Listed portion:	COGUUG29b_C	Mainstem of the Lake Fork of the Gunnison, including all tributaries and wetlands, from a point immediately above the confluence with Eaton Creek, to Blue Mesa Reservoir. Cebolla Creek, including all tributaries and wetlands, from the Hinsdale/Gunnison County line, to Blue Mesa Reservoir, excluding the listings in Segment 29a and Powderhorn Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUG30	30. Mainstem of Henson Creek, including all tributaries and wetlands, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listings in Segments 31 and 32.				
Listed portion:	COGUUG30_B	Mainstem of Henson Creek from the source to the confluence with the Lake Fork of the Gunnison.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COGUUG30_C	All tributaries and wetlands of Henson Creek, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listing in Segments 31 and 32.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COGUUG31	31. Mainstem of Palmetto Gulch Creek including all tributaries.				
Listed portion:	COGUUG31_A	Mainstem of Palmetto Gulch Creek including all tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUG32	32. North Fork of Henson Creek including all tributaries and wetlands, from its source to the confluence with Henson Creek, except for specific listings in Segment 1.				
Listed portion:	COGUUG32_A	North Fork of Henson Creek including all tributaries and wetlands, from its source to the confluence with Henson Creek, except for specific listings in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

COGUUN02	2. Mainstem of the Uncompahgre River from the source (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.				
Listed portion:	COGUUN02_A	Mainstem of the Uncompahgre River from the source (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
COGUUN03a	3a. Mainstem of the Uncompahgre River from a point immediately above the confluence with Red Mountain Creek to a point immediately above the confluence with Cascade Creek.				
Listed portion:	COGUUN03a_A	Mainstem of the Uncompahgre River from a point immediately above the confluence with Red Mountain Creek to a point immediately above the confluence with Cascade Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
COGUUN03b	3b. Mainstem of the Uncompahgre River from a point immediately above the confluence with Cascade Creek to a point immediately above the confluence with Dexter Creek.				
Listed portion:	COGUUN03b_A	Mainstem of the Uncompahgre River from a point immediately above the confluence with Cascade Creek to a point immediately above the confluence with Dexter Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUN03c	3c. Mainstem of the Uncompahgre River from a point immediately above the confluence with Dexter Creek to a point immediately below the confluence with Dallas Creek.				
Listed portion:	COGUUN03c_A	Mainstem of the Uncompahgre River from a point immediately above the confluence with Dexter Creek to a point immediately below the confluence with Dallas Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

COGUUN03d	3d. Mainstem of the Uncompahgre River from a point immediately below the confluence with Dallas Creek to the inlet of Ridgway Reservoir.				
Listed portion:	COGUUN03d_A	Mainstem of the Uncompahgre River from a point immediately below the confluence with Dallas Creek to the inlet of Ridgway Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
COGUUN03e	3e. Mainstem of the Uncompahgre River from the outlet of Ridgway Reservoir to a point immediately above the outlet of the South Canal near Uncompahgre.				
Listed portion:	COGUUN03e_B	Mainstem of the Uncompahgre River from the outlet of Ridgway Reservoir to a point immediately above the confluence with Broman Canyon.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COGUUN03e_C	Mainstem of the Uncompahgre River from the confluence with Broman Canyon to a point immediately above the outlet of the South Canal near Uncompahgre.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COGUUN03f	3f. Mainstem of the Uncompahgre River from a point immediately above the outlet of the South Canal to a point immediately above the Highway 90 bridge in Montrose.				
Listed portion:	COGUUN03f_A	Mainstem of the Uncompahgre River from a point immediately above the outlet of the South Canal to a point immediately above the Highway 90 bridge in Montrose.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
COGUUN04a	4a. Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Gunnison Road.				
Listed portion:	COGUUN04a_B	Mainstem of the Uncompahgre River from Cedar Creek to Gunnison Road.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H

Listed portion:	COGUUN04a_C	Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to Cedar Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
COGUUN04b	4b. Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.				
Listed portion:	COGUUN04b_A	Mainstem of the Uncompahgre River from Gunnison Road to the upstream boundary of Confluence Park.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COGUUN04c	4c. Mainstem of the Uncompahgre River from the upstream boundary of Confluence Park to the confluence with the Gunnison River.				
Listed portion:	COGUUN04c_A	Mainstem of the Uncompahgre River from the upstream boundary of Confluence Park to the confluence with the Gunnison River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGUUN05	5. All tributaries to the Uncompahgre River, including all wetlands, from the source to a point immediately below the confluence with Dexter Creek, except for specific listings in Segments 1, 6a, 6b, and 7 through 9.				
Listed portion:	COGUUN05_B	Commodore Gulch and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COGUUN05_C	Governor Basin			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COGUUN05_D	Silver Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA

Listed portion:	COGUUN05_E	Sneffels Creek below Governor Basin			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	M
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	M

COGUUN06a 6a. Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.

Listed portion:	COGUUN06a_A	Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M

COGUUN07 7. Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.

Listed portion:	COGUUN07_A	Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	M
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M

COGUUN08 8. Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.

Listed portion:	COGUUN08_A	Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M

COGUUN09	9. Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek. Mainstem and all tributaries of Sneffels Creek from a point 1.5 miles above its confluence with Imogene Creek at 37.974979, -107.753960 (WGS84) to its confluence with Imogene Creek. Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and Sneffels Creek to the confluence with the Uncompahgre River.				
Listed portion:	COGUUN09_B	Mainstem and all tributaries of Sneffels Creek from a point 1.5 miles above its confluence with Imogene Creek at 37.974979, -107.753960 (WGS84) to its confluence with Imogene Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COGUUN09_C	Mainstem of Canyon Creek from its inception at the confluence of Imogene Creek and Sneffels Creek to the confluence with the Uncompahgre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COGUUN09_D	Mainstem of Imogene Creek from its source to its confluence with Sneffels Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
COGUUN10a	10a. All tributaries to the Uncompahgre River, including all wetlands, from a point immediately below the confluence with Dexter Creek to the South Canal near Uncompahgre, except for specific listings in Segments 1, 10b, and 11.				
Listed portion:	COGUUN10a_B	Alkali Creek and all tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	COGUUN10a_C	Mainstem of Cow Creek from the confluence of Nate Creek to the Uncompahgre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COGUUN11	11. Mainstem of Coal Creek from the source to the Park Ditch, mainstem of Dallas Creek from the source of the East and West Forks to the confluence with the Uncompahgre River; mainstem of Cow Creek from the Uncompahgre Wilderness Area boundary to a point immediately below the confluence with Nate Creek, tributaries to Cow Creek from the Uncompahgre Wilderness Area boundary to the confluence with the Uncompahgre River; mainstems of Billy Creek, Onion Creek and Beaton Creek from their sources to their confluences with Uncompahgre River; mainstem of Beaver Creek from the source to the confluence with the East Fork of Dallas Creek; and mainstem of Pleasant Valley Creek from the source to the confluence with Dallas Creek.				
Listed portion:	COGUUN11_C	Deer Creek from source to Cow Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUN11_E	Mainstem of Cow Creek From the wilderness to the confluence with Nate Creek and all tributaries of Cow Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUN11_G	Mainstem of Dallas Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUN11_H	Mainstem of Billy Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUN11_I	Mainstems of Coal, Pleasant Valley, and Beaton Creeks.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUN11_J	Onion Creek and its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COGUUN12	12. All tributaries to the Uncompahgre River, including all wetlands, from the South Canal near Uncompahgre to the confluence with the Gunnison River, except for specific listings in Segments 13, 14, 15a and 15b.				
Listed portion:	COGUUN12_C	Mainstem of Dry Creek From Coalbank Canyon Creek to Uncompahgre River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H

Listed portion:	COGUUN12_D	Loutzenhizer Arroyo and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
Listed portion:	COGUUN12_E	All tributaries to the Uncompahgre River, including all wetlands, from the South Canal near Uncompahgre to the confluence with the Gunnison River, except for specific listings in Segments (13, 14, 15a and 15b), Loutzenhizer Arroyo, Dry Creek, Cedar Creek, and Dry Cedar Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Agricultural Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COGUUN12_F	Cedar Creek and Dry Cedar Creek with their Tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	4a. - TMDL	Retain	NA
COGUUN15b	15b. Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.				
Listed portion:	COGUUN15b_A	Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
COGUUN19	19. Ridgway Reservoir.				
Listed portion:	COGUUN19_A	Ridgway Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
COGUUN20	20. Sweitzer Lake (a.k.a. Garnet Mesa Reservoir).				
Listed portion:	COGUUN20_A	Sweitzer Lake (a.k.a. Garnet Mesa Reservoir).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
COLCLC01	1. Mainstem of the Colorado River from the confluence with the Roaring Fork River to immediately below the confluence with Rifle Creek.				
Listed portion:	COLCLC01_A	Colorado River from Paradise Creek to below the confluence with Rifle Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

Listed portion:	COLCLC01_B	Colorado River from Roaring Fork to Paradise Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Water Supply Use	Chloride	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCLC02a	2a. Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.				
Listed portion:	COLCLC02a_A	Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COLCLC02b	2b. Mainstem of the Colorado River from a point immediately above the confluence with Rapid Creek to immediately above the confluence of the Gunnison River.				
Listed portion:	COLCLC02b_A	Mainstem of the Colorado River from Rapid Creek to Gunnison River except for the Humphrey Backwater area			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
Listed portion:	COLCLC02b_B	Humphrey Backwater area			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Nitrite	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Change from M&E to 303(d)	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
COLCLC03	3. Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.				
Listed portion:	COLCLC03_A	Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	H

COLCLC04a	4a. All tributaries, including wetlands, to the Colorado River from the confluence with the Roaring Fork River to a point immediately below the confluence with Parachute Creek except for the specific listings in Segments 4b, 4c, 4d, 4e, 5, 6, 7a, 7b, 8, 9a, 9c, 10, 11a - h, and 12a.				
Listed portion:	COLCLC04a_A	Tributaries to Colorado River, Roaring Fork to Parachute Creek, except for Mamm Creek and Alkali Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COLCLC04a_B	Mamm Creek and its East, Middle, and West Mamm Creek tributaries from the sources to the confluence with the Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Agricultural Use	Selenium (Total)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Sulfate	5. - 303(d)	Change from M&E to 303(d)	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
Listed portion:	COLCLC04a_C	Alkali Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COLCLC04a_D	South Canyon Creek sections above hot springs			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
COLCLC04b	4b. South Canyon Hot Springs.				
Listed portion:	COLCLC04b_A	South Canyon Hot Springs. (39.552964, -107.414232)			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA

COLCLC04c	4c. The mainstem of South Canyon Creek from the South Canyon Hot Springs to the confluence with the Colorado River.				
Listed portion:	COLCLC04c_A	South Canyon Creek from South Canyon Hot Springs to Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli (May-October)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCLC04e	4e. Mainstem of Dry Creek including all tributaries and wetlands from the source to immediately above the Last Chance Ditch.				
Listed portion:	COLCLC04e_A	Mainstem of Dry Creek, including all tributaries and wetlands, from the source to immediately above the Last Chance Ditch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
COLCLC07a	7a. Mainstem of Mitchell, Canyon, Elk, Garfield, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River. Battlement Creek from the most downstream boundary of BLM lands to the confluence with the Colorado River.				
Listed portion:	COLCLC07a_C	Garfield Creek and its tributaries from the headwaters to the confluence with the Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COLCLC07a_D	Elk Creek and its tributaries from the White River National Forest boundary to the confluence with the Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Cadmium (Total)	5. - 303(d)	303(d) / New	L
COLCLC07b	7b. Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.				
Listed portion:	COLCLC07b_A	Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

COLCLC10	10. West Rifle Creek, including all tributaries and wetlands, from the source to Rifle Gap Reservoir. East Rifle Creek, including all tributaries and wetlands, from the White River National Forest boundary to Rifle Gap Reservoir. Rifle Creek, including all tributaries and wetlands, from Rifle Gap Reservoir to the confluence with the Colorado River.				
Listed portion:	COLCLC10_A	East Rifle Creek from the White River NF boundary to Rifle Gap Reservoir. Rifle Creek from Rifle Gap Reservoir to the Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
Listed portion:	COLCLC10_B	West Rifle Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Sulfate	1. - All attaining	M&E / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Change from M&E to 303(d)	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCLC11c	11c. Mainstem of Parachute Creek from the confluence of the West and East Forks to the confluence with the Colorado River. All tributaries and wetlands to Parachute Creek on the west side of Parachute Creek from the confluence to the East and West Forks to the confluence with the Colorado River.				
Listed portion:	COLCLC11c_B	Mainstem of Parachute Creek from the confluence of the West and East Forks to the confluence with the Colorado River. All tributaries and wetlands to Parachute Creek on the west side of Parachute Creek from the confluence of the East and West Forks to the confluence with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
COLCLC13a	13a. All tributaries to the Colorado River including wetlands, from a point immediately below the confluence of Roan Creek to the Colorado/Utah border except for the specific listings in Segments 13b through 19.				
Listed portion:	COLCLC13a_B	Sulphur Gulch and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA

COLCLC13b	13b. All tributaries to the Colorado River, including wetlands, from the Government Highline Canal Diversion to a point immediately below Salt Creek, and downgradient from the Government Highline Canal, the Orchard Mesa Canal No. 2, Orchard Mesa Drain, Stub Ditch and the northeast Colorado National Monument boundary.				
Listed portion:	COLCLC13b_A	All tributaries to the Colorado River from Government Highline Canal Diversion to below Salt Creek, and downgradient from Government Highline Canal, Orchard Mesa Canal No. 2, Orchard Mesa Drain, Stub Ditch and northeast Colorado National Monument boundary, except Salt, Adobe, Leach Creeks, Indian Wash and Mack Wash.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
Listed portion:	COLCLC13b_B	Salt Creek and tributaries below lake and reservoir, including Mack Wash			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
Listed portion:	COLCLC13b_C	Adobe Creek, Leach Creek and tributaries below canal			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
Listed portion:	COLCLC13b_D	Indian Wash			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
COLCLC14b	14b. Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek.				
Listed portion:	COLCLC14b_A	Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA

COLCLC14c	14c. Mainstem of Roan Creek including all tributaries and wetlands, from a point immediately below the confluence with Kimball Creek to the confluence with the Colorado River.				
Listed portion:	COLCLC14c_B	North, South and mainstem of Dry Fork including tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
Listed portion:	COLCLC14c_C	Roan Creek and tributaries including Conn Cr, Logan Wash, Bloat Gulch and Gibler Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
COLCLC15a	15a. Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.				
Listed portion:	COLCLC15a_A	Mainstem of Plateau Creek from its source to the inlet of Vega Reservoir. All tributaries and wetlands to Plateau Creek from its source to a point immediately above the confluence with Buzzard Creek. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek. The mainstem of Buzzard Creek, including all tributaries and wetlands, within the Grand Mesa National Forest.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCLC15c	15c. Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.				
Listed portion:	COLCLC15c_A	Mainstem of Plateau Creek from the outlet of Vega Reservoir to a point immediately below the confluence with Buzzard Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCLC15d	15d. Mainstem of Buzzard Creek from the Grand Mesa National Forest boundary to its confluence with Plateau Creek.				
Listed portion:	COLCLC15d_A	Mainstem of Buzzard Creek from the Grand Mesa National Forest boundary to its confluence with Plateau Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

COLCLC16	16. Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding specific listings in segment 15.				
Listed portion:	COLCLC16_A	Plateau Creek including all tributaries and wetlands, from a point immediately below the confluence with Buzzard Creek, to the confluence with the Colorado River, excluding specific listings in segment 15.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
COLCLC17a	17a. Mainstem of Rapid Creek, including all tributaries and wetlands, from its source to a point immediately below the confluence with Cottonwood Creek including Kruzen Springs.				
Listed portion:	COLCLC17a_A	Rapid Creek, including all tributaries and wetlands, from its source to below the confluence with Cottonwood Creek (39.130512, -108.301028) including Kruzen Springs.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COLCLC19	19. All lakes and reservoirs tributary to the Colorado River from a point immediately below the confluence of the Colorado River and Parachute Creek to the Colorado-Utah border, except for specific listings in segments 9b, 13c, 20, and 21. This segment includes Highline Reservoir.				
Listed portion:	COLCLC19_E	West Lake in James M. Robb Colorado River State Park			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	303(d) / New	H
COLCLC20	20. Rifle Gap Reservoir, Harvey Gap Reservoir, and Vega Reservoir.				
Listed portion:	COLCLC20_B	Rifle Gap Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Change from M&E to 303(d)	H
Listed portion:	COLCLC20_C	Harvey Gap Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COLCLC20_D	Vega Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
COLCLY02	2. Mainstem of the Yampa River from a point immediately below the confluence with Elkhead Creek to the confluence with the Green River.				
Listed portion:	COLCLY02_C	Mainstem of the Yampa River from a point immediately below the confluence with Little Snake River to the confluence with the Green River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	H

COLCLY03c	3c. Mainstem of Milk Creek, including all tributaries and wetlands, from Thornburgh (County Rd 15) to the confluence with the Yampa River except for the specific listings in Segment 3b and 3e.				
Listed portion:	COLCLY03c_B	Wilson Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
Listed portion:	COLCLY03c_C	Stinking Gulch and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
COLCLY03e	3e. Mainstem of Good Spring Creek and its tributaries above Wilson Reservoir.				
Listed portion:	COLCLY03e_A	Mainstem of Good Spring Creek and its tributaries above Wilson Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
COLCLY03i	3i. Lower Johnson Gulch from the confluence with Pyeatt Gulch at CO 107 to the confluence with the Yampa River.				
Listed portion:	COLCLY03i_A	Lower Johnson Gulch from the confluence with Pyeatt Gulch at CO 107 to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	M&E / New	NA
COLCLY05	5. Mainstem of Fortification Creek from the confluence of the North Fork and South Fork to the confluence with the Yampa River.				
Listed portion:	COLCLY05_A	Mainstem of Fortification Creek from the confluence of the North Fork and South Fork to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

COLCLY06	6. All tributaries to Fortification Creek, including all wetlands, from the confluence of the North and South Forks to the confluence with the Yampa River, except for the specific listings in Segments 4 and 7.				
Listed portion:	COLCLY06_A	All tributaries to Fortification Creek, including all wetlands, from the confluence of the North and South Forks to the confluence with the Yampa River, except for listings in Segments 4 and 7.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
COLCLY07	7. Mainstem of Little Bear Creek, including all tributaries and wetlands, from the source to the confluence with Dry Fork.				
Listed portion:	COLCLY07_A	Mainstem of Little Bear Creek, including all tributaries and wetlands, from the source to the confluence with Dry Fork.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
COLCLY16	16. Mainstem of the Little Snake River from a point immediately above the confluence with Powder Wash to the confluence with the Yampa River.				
Listed portion:	COLCLY16_A	Mainstem of the Little Snake River from a point immediately above the confluence with Powder Wash to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
COLCLY22a	22a. Mainstem of Vermillion Creek, including all tributaries and wetlands, from the Colorado/Wyoming border to a point just below the confluence with Talamantes Creek.				
Listed portion:	COLCLY22a_B	Talamantes Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
COLCLY22c	22c. Mainstem of Vermillion Creek from HWY 318 to the confluence with the Green River.				
Listed portion:	COLCLY22c_A	Mainstem of Vermillion Creek from HWY 318 to the confluence with the Green River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COLCWH03	3. Mainstem of the North Fork of the White River and mainstem of the White River from the Flat Tops Wilderness Area boundary to a point immediately above the confluence with Miller Creek.				
Listed portion:	COLCWH03_A	Mainstem of the North Fork of the White River and mainstem of the White River from the Flat Tops Wilderness Area boundary to a point immediately above the confluence with Miller Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

COLCWH04a	4a. All tributaries to the North Fork of the White River, including all wetlands, from the Flat Tops Wilderness Area boundary to the confluence with the South Fork of the White River except for the specific listings in Segment 1 and 4b.				
Listed portion:	COLCWH04a_A	All tributaries to the North Fork White River, including all wetlands, from the Flat Tops Wilderness Area boundary to the confluence with the South Fork White River except for listings in Segment 1 and 4b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COLCWH04b	4b. Mainstems of Lost Creek and Snell Creek, including all wetlands and tributaries, from the Flat Tops Wilderness area to the boundary of the White River National Forest.				
Listed portion:	COLCWH04b_A	Mainstems of Lost Creek and Snell Creek, including all wetlands and tributaries, from the Flat Tops Wilderness area to the boundary of the White River National Forest.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
COLCWH07	7. Mainstem of the White River from a point immediately above the confluence with Miller Creek to a point immediately above the confluence with Piceance Creek.				
Listed portion:	COLCWH07_A	White River from above the confluence with Miller Creek to above a point below Meeker.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COLCWH07_B	White River below Meeker to the confluence with Piceance Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Iron (Total)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCWH09b	9b. All tributaries to the White River, including wetlands, from a point immediately above the confluence with Flag Creek, to a point immediately above the confluence with Piceance Creek, which are not within the boundary of National Forest lands, except for the specific listings in segments 9c and 9d.				
Listed portion:	COLCWH09b_A	Tributaries to the White River from above the confluence with Flag Creek, to above the confluence with Piceance Creek, which are not within the boundary of National Forest lands, except for listings in segment 9c and 9d.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA

COLCWH09d	9d. Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River.				
Listed portion:	COLCWH09d_A	Sulphur Creek, including all tributaries and wetlands, from the source to the confluence with the White River. Flag Creek, including all tributaries and wetlands, from a point just below the confluence with the East Fork of Flag Creek to the confluence with the White River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COLCWH11	11. Rio Blanco Lake and Taylor Draw Reservoir (a.k.a. Kenney Reservoir).				
Listed portion:	COLCWH11_A	Taylor Draw Reservoir (a.k.a. Kenney Reservoir)			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COLCWH11_B	Rio Blanco Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
COLCWH12	12. Mainstem of the White River from a point immediately above the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek.				
Listed portion:	COLCWH12_A	Mainstem of the White River from a point immediately above the confluence with Piceance Creek to a point immediately above the confluence with Douglas Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCWH13b	13b. Mainstem of Yellow Creek including all wetlands from the source to immediately below the confluence with Barcus Creek. All tributaries to Yellow Creek from the source to the White River, including wetlands.				
Listed portion:	COLCWH13b_A	Yellow Creek from source to below the confluence with Barcus Creek. Tributaries to Yellow Creek from the source to the White River, except for Corral Gulch and tributaries, Stake Springs Draw and tributaries above Stake Springs and Duck Creek and tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	M
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
Listed portion:	COLCWH13b_B	Corral Gulch and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	M

Listed portion:	COLCWH13b_C	Stake Springs Draw and tributaries above Stake Springs			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	M
Listed portion:	COLCWH13b_D	Duck Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	M
COLCWH13c	13c. Mainstem of Yellow Creek, including all wetlands from immediately below the confluence with Barcus Creek to the confluence with the White River.				
Listed portion:	COLCWH13c_A	Yellow Creek from immediately below the confluence with Barcus Creek to the confluence with Greasewood Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
Listed portion:	COLCWH13c_B	Yellow Creek below Greasewood Creek to the confluence with the White River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M
	Aquatic Life Use	Nitrite	5. - 303(d)	303(d) / New	M
COLCWH14a	14a. Mainstem of Piceance Creek from the source to a point just below the confluence with Hunter Creek.				
Listed portion:	COLCWH14a_A	Piceance Creek from the source to below confluence with Willow Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COLCWH14a_B	Piceance Creek from Willow Creek to Hunter Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COLCWH14b	14b. Mainstem of Piceance Creek from a point just below the confluence with Hunter Creek to a point just below the confluence with Ryan Gulch.				
Listed portion:	COLCWH14b_A	Mainstem of Piceance Creek from a point just below the confluence with Hunter Creek to a point just below the confluence with Ryan Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

COLCWH15	15. Mainstem of Piceance Creek from a point just below the confluence with Ryan Gulch to the confluence with the White River. The Dry Fork of Piceance Creek, including all tributaries and wetlands, from a point just below the confluence with Little Reigan Gulch to the confluence with Piceance Creek, except for the specific listings in Segment 18.				
Listed portion:	COLCWH15_B	Mainstem of Piceance Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COLCWH15_C	Piceance Creek from 3 miles above the confluence with White River, to the confluence with White River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M
COLCWH16b	16b. All tributaries to Piceance Creek, including all wetlands, from a point immediately below the confluence with Dry Thirteenmile Creek to the confluence with the White River, except for the specific listings in Segments 15, 17, 18, 19 and 20.				
Listed portion:	COLCWH16b_B	Ryan Gulch and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COLCWH20	20. Mainstems of Black Sulphur Creek including all tributaries and wetlands from the source to the confluence with Piceance Creek.				
Listed portion:	COLCWH20_B	Mainstem of Black Sulphur Creek from source to Piceance Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COLCWH20_C	All Tributaries of Black Sulphur Creek from source to Piceance Creek, except for the listing in Segment 19.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COLCWH21	21. Mainstem of the White River from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border.				
Listed portion:	COLCWH21_A	Mainstem of the White River from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COLCWH22	22. All tributaries to the White River, including all wetlands, from a point immediately above the confluence with Douglas Creek to the Colorado/Utah border, except for specific listing in Segment 23.				
Listed portion:	COLCWH22_B	West Evacuation Wash with tributaries and Douglas Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	L
COLCWH23	23. Mainstems of East Douglas Creek and West Douglas Creek, including all tributaries and wetlands, from their sources to their confluence.				
Listed portion:	COLCWH23_A	West Douglas Creek from its source to confluence			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COLCWH23_B	East Douglas creek from the point below Tommy's Draw a point above its confluence with Douglas Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	H
Listed portion:	COLCWH23_C	Mainstem of East Douglas Creek and tributaries from the source to a point below Tommy's Draw			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COLCWH24	24. All lakes and reservoirs tributary to the White River, which are within the boundaries of the Flat Tops Wilderness Area, including Trappers Lake.				
Listed portion:	COLCWH24_C	Ned Wilson Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	H
COLCWH25	25. Lake Avery (a.k.a Big Beaver Reservoir).				
Listed portion:	COLCWH25_A	Lake Avery (a.k.a Big Beaver Reservoir).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
CORGAL02	2. Mainstem of the Alamosa River, including all tributaries and wetlands, from the source to immediately above the confluence with Alum Creek, except for specific listings in segments 1, 4a, and 4b.				
Listed portion:	CORGAL02_B	Mainstem of the Alamosa River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	CORGAL02_C	all tributaries and wetlands of the Alamosa River, from the source to immediately above the confluence with Alum Creek, except for tributaries to lower Iron Creek and specific listings in segments 1, 4a, and 4b.		
Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	CORGAL02_D	Tributaries to the Alamosa River from a point immediately below the confluence of Bitter Creek to the inlet of Terrace Reservoir, except for specific listings in segments 4a, 5, 6, and 7.		
Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Aquatic Life Use	pH	5. - 303(d)	Retain	H

CORGAL03a 3a. Mainstem of the Alamosa River from immediately above the confluence with Alum Creek to immediately above the confluence of Wightman Fork.

Listed portion:	CORGAL03a_A	Mainstem of the Alamosa River from immediately above the confluence with Alum Creek to immediately above the confluence of Wightman Fork.		
Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M

CORGAL03b 3b. Mainstem of the Alamosa River from immediately above the confluence with the Wightman Fork to immediately above the confluence with Fern Creek.

Listed portion:	CORGAL03b_A	Mainstem of the Alamosa River from immediately above the confluence with Jasper Creek to immediately above the confluence with Fern Creek.		
Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
Aquatic Life Use	pH	4a. - TMDL	Retain	NA

Listed portion:	CORGAL03b_B	Mainstem of the Alamosa River from immediately above the confluence with the Wightman Fork to Jasper Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA

CORGAL03c 3c. Mainstem of the Alamosa River from immediately above the confluence with Fern Creek to immediately below the confluence with Ranger Creek.

Listed portion:	CORGAL03c_A	Mainstem of the Alamosa River from immediately above the confluence with Fern Creek to immediately below the confluence with Ranger Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA

CORGAL03d 3d. Mainstem of the Alamosa River from immediately below the confluence with Ranger Creek to the inlet of Terrace Reservoir.

Listed portion:	CORGAL03d_A	Mainstem of the Alamosa River from immediately below the confluence with Ranger Creek to the inlet of Terrace Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Aluminum (Total)	5. - 303(d)	Retain	H

CORGAL05 5. Mainstem of Wightman Fork from the source to the west line of S30, T37N, R4E, including all tributaries and wetlands.

Listed portion:	CORGAL05_A	Mainstem of Wightman Fork from the source to the west line of S30, T37N, R4E, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA

CORGAL07 7. Jasper Creek, including all tributaries and wetlands, from the source to the confluence with the Alamosa River.

Listed portion:	CORGAL07_A	Jasper Creek, including all tributaries and wetlands, from the source to the confluence with the Alamosa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Nickel (Dissolved)	3b. - M&E list	Retain	H

CORGAL08	8. Terrace Reservoir.				
Listed portion:	CORGAL08_A	Terrace Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
CORGAL09	9. Mainstem of Alamosa River from the outlet of Terrace Reservoir to Hwy 15 (Gunbarrel Road).				
Listed portion:	CORGAL09_A	Mainstem of Alamosa River from the outlet of Terrace Reservoir to Hwy 15 (Gunbarrel Road).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
CORGAL10	10. Mainstem of the Alamosa River from Hwy 15 (Gunbarrel Road) to its point of final diversion.				
Listed portion:	CORGAL10_A	Mainstem of the Alamosa River from Hwy 15 (Gunbarrel Road) to its point of final diversion.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	M
CORGAL11b	11b. Mainstem of La Jara Creek from the outlet of La Jara Reservoir to a point immediately above the confluence with Hot Creek. All tributaries, including wetlands, to La Jara Creek from a point immediately below the confluence with Jarosa Creek to a point immediately above the confluence with Hot Creek.				
Listed portion:	CORGAL11b_A	Mainstem of La Jara Creek from the outlet of La Jara Reservoir to a point immediately above the confluence with Hot Creek. All tributaries, including wetlands, to La Jara Creek from a point immediately below the confluence with Jarosa Creek to a point immediately above the confluence with Hot Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
CORGAL12	12. Mainstem of La Jara Creek from immediately above the confluence with Hot Creek to the confluence with the Rio Grande.				
Listed portion:	CORGAL12_A	Mainstem of La Jara Creek from immediately above the confluence with Hot Creek to the confluence with the Rio Grande.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
CORGAL13	13. Mainstem of Hot Creek from the source to the confluence with La Jara Creek.				
Listed portion:	CORGAL13_A	Mainstem of Hot Creek from the source to the confluence with La Jara Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H

CORGAL14a	14a. Mainstem of the Conejos River, including all tributaries and wetlands, from the source to immediately below the confluence with Elk Creek, excluding the specific listings in segment 1.				
Listed portion:	CORGAL14a_B	La Manga Creek and its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
CORGAL25	25. All lakes and reservoirs tributary to La Jara Creek from the source to a point immediately above the confluence with Hot Creek.				
Listed portion:	CORGAL25_B	La Jara Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
CORGAL30	30. Platoro Reservoir.				
Listed portion:	CORGAL30_A	Platoro Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
CORGCB02a	2a. Mainstem of La Garita Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Geronimo Creek. The North, Middle, and South Forks of Carnero Creek, including all tributaries and wetlands, from their sources to their confluences at the inception of the mainstem of Carnero Creek.				
Listed portion:	CORGCB02a_B	North Fork of Carnero Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	CORGCB02a_C	South Fork of Carnero Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
CORGCB02b	2b. Mainstem of La Garita Creek, including all tributaries and wetlands, from a point immediately below the confluence with Geronimo Creek to 38 Road. All tributaries to the mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road, excluding the specific listings in segment 2a.				
Listed portion:	CORGCB02b_B	Mainstem of La Garita Creek, including all tributaries and wetlands, from a point immediately below the confluence with Geronimo Creek to 38 Road.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

CORGCB02c	2c. Mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road.				
Listed portion:	CORGCB02c_A	Mainstem of Carnero Creek from its inception at the confluence of the North, Middle, and South Forks to 42 Road.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
CORGCB03	3. All tributaries to the Closed Basin excluding the listings in segments 2a, 2b, 2c, and 4 through 13.				
Listed portion:	CORGCB03_B	Cottonwood Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	CORGCB03_C	Major Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
Listed portion:	CORGCB03_D	Willow Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
CORGCB04	4. Mainstem of San Luis Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Piney Creek, excluding the specific listings in segments 8, 9a and 9b. Garner Creek, including all tributaries and wetlands, from the Rio Grande Forest Boundary to the mouth.				
Listed portion:	CORGCB04_A	Mainstem of San Luis Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Piney Creek, excluding the specific listings in segments 8, 9a and 9b. Garner Creek, including all tributaries and wetlands, from the Rio Grande Forest Boundary to the mouth.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
CORGCB05	5. Mainstem of San Luis Creek from a point immediately below the confluence with Piney Creek to the inlet to San Luis Lake.				
Listed portion:	CORGCB05_A	Mainstem of San Luis Creek from a point immediately below the confluence with Piney Creek to the inlet to San Luis Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA

CORGCB08	8. Mainstem of Kerber Creek, including all tributaries and wetlands from the source to a point immediately above the Cocomongo Mill site. Mainstem of Squirrel Creek from the source to immediately above Bear Creek, Brewery Creek from source to Kerber Creek, and the mainstem of Elkhorn Gulch.				
Listed portion:	CORGCB08_B	Mainstem of Kerber Creek, including all tributaries and wetlands from the source to a point immediately above the Cocomongo Mill site. Mainstem of Squirrel Creek from the source to immediately above Bear Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	CORGCB08_C	Mainstem of Brewery Creek from source to Kerber Creek, and the mainstem of Elkhorn Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
CORGCB09a	9a. Mainstem, tributaries and wetlands of Kerber Creek, including all tributaries and wetlands, from the source to immediately above the confluence of Brewery Creek, excluding the specific listings in segment 8.				
Listed portion:	CORGCB09a_A	Mainstem, tributaries and wetlands of Kerber Creek, including all tributaries and wetlands, from the source to immediately above the confluence of Brewery Creek, except for Squirrel Creek and excluding the specific listings in segment 8.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	CORGCB09a_B	Squirrel Creek from a point immediately below the confluence with Bear Creek to the confluence with Kerber Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
CORGCB09b	9b. Mainstem of Kerber Creek from a point immediately above the confluence with Brewery Creek to the confluence with San Luis Creek.				
Listed portion:	CORGCB09b_A	Mainstem of Kerber Creek from a point immediately above the confluence with Brewery Creek to the confluence with U S Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	CORGCB09b_B	Mainstem of Kerber Creek from a point immediately above the confluence with U S Gulch to the confluence with San Luis Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
CORGCB10	10. Mainstem of Sand Creek, including all tributaries and wetlands, from the source to the mouth. Mainstem of Medano Creek, including all tributaries and wetlands, from the source to the mouth.				
Listed portion:	CORGCB10_B	Mainstem of Sand Creek, including all tributaries and wetlands, from the source to the mouth.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
CORGCB12a	12a. Mainstem of Saguache Creek, including all tributaries and wetlands, from the boundary of the La Garita Wilderness Area to a point just below the confluence Ford Creek, excluding the specific listings in segment 1.				
Listed portion:	CORGCB12a_B	East Pass Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	H
Listed portion:	CORGCB12a_C	Ford Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	CORGCB12a_F	Mainstem of Saguache Creek from the boundary of the La Garita Wilderness Area to a point just below the confluence with Ford Creek, excluding the specific listings in segment 12b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
CORGCB12b	12b. Mainstem of Saguache Creek, including all tributaries and wetlands, from a point just below the confluence with Ford Creek to Hwy 285.				
Listed portion:	CORGCB12b_B	Mainstem of Saguache Creek from a point just below the confluence of Fourmile Creek to a point just below the confluence with Ford Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Total Phosphorus	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L

CORGCB19	19. San Luis Lake.				
Listed portion:	CORGCB19_A	San Luis Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Ammonia	5. - 303(d)	Retain	H
CORGRG02	2. Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3.				
Listed portion:	CORGRG02_B	South Clear Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	CORGRG02_C	Mainstem of the Rio Grande, including all tributaries and wetlands, from the source to a point immediately above the confluence with Willow Creek, excluding the listings in segments 1 and 3, South Clear Creek, and Seepage Creek from the outlet of Santa M			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	CORGRG02_D	Mainstem of Seepage Creek from the outlet of Santa Maria Reservoir to a point one mile below the outlet of Santa Maria Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
CORGRG03	3. Mainstem of Seepage Creek from the outlet of Santa Maria Reservoir to a point one mile below the outlet of Santa Maria Reservoir. Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek.				
Listed portion:	CORGRG03_B	Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
CORGRG04a	4a. Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.				
Listed portion:	CORGRG04a_A	Mainstem of the Rio Grande from a point immediately above the confluence with Willow Creek to a point immediately above the confluence with the South Fork Rio Grande.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H

CORGRG04b	4b. Mainstem of the Rio Grande from a point immediately above the confluence with South Fork Rio Grande to the Hwy 285 crossing.				
Listed portion:	CORGRG04b_B	Mainstem of the Rio Grande from Del Norte to the Hwy 285 crossing.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	H
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	CORGRG04b_C	Mainstem of the Rio Grande from a point immediately above the confluence with Pinos Creek to Del Norte			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	CORGRG04b_D	Mainstem of the Rio Grande from the confluence of South Fork to a point immediately above the confluence with Pinos Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
CORGRG04c	4c. Mainstem of the Rio Grande from the Hwy 285 crossing to the Rio Grande/Alamosa County line.				
Listed portion:	CORGRG04c_A	Mainstem of the Rio Grande from the Hwy 285 crossing to the Rio Grande/Alamosa County line.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H

CORGRG05	5. All tributaries to the Rio Grande, including all wetlands, from immediately above the confluence with Willow Creek to Hwy 112 bridge near Del Norte, excluding the listings in segments 6 through 10.				
Listed portion:	CORGRG05a_A	Nelson Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Listed portion:	CORGRG05b_B	Mainstem of Embargo Creek, including all tributaries and wetlands, from immediately above the confluence with Dyers Creek to the confluence with the Rio Grande.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
CORGRG05a	5a. All tributaries to the Rio Grande, including all wetlands, from immediately above the confluence with Willow Creek to the Hwy 112 bridge near Del Norte, excluding the listings in segments 5b through 10.				
Listed portion:	CORGRG05a_B	Embargo Creek, including all tributaries and wetlands, from the source to immediately above the confluence with Dyers Creek. West Alder Creek, including all tributaries and wetlands.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
CORGRG06	6. Mainstem of West Willow Creek from immediately above Deerhorn Creek to the Park Regent Mine dump. East Willow Creek from the confluence with Whited Creek to the confluence with West Willow Creek.				
Listed portion:	CORGRG06_B	East Willow Creek from the confluence with Whited Creek to the confluence with West Willow Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA

CORGRG07	7. Mainstem of West Willow Creek from the Park Regent Mine dump to the confluence with East Willow Creek. Mainstem of Willow Creek, including all tributaries from the confluence of East and West Willow Creeks, to the confluence with the Rio Grande.				
Listed portion:	CORGRG07_A	Mainstem of West Willow Creek from the Park Regent Mine dump to the confluence with Nelson Creek. Mainstem of Willow Creek, including all tributaries from the confluence of East and West Willow Creeks, to the confluence with the Rio Grande.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	CORGRG07_B	West Willow Creek below Nelson Creek to East Willow Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
CORGRG09a	9a. Mainstem of the South Fork Rio Grande, including all tributaries and wetlands, from the source to a point just below the confluence with Decker Creek, excluding the specific listings in segment 1. Mainstem of Beaver Creek, including all tributaries and wetlands, from the source to the inlet of Beaver Creek Reservoir.				
Listed portion:	CORGRG09a_A	North Branch of Pass Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	CORGRG09a_B	Hope Creek and its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	H
CORGRG11	11. Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to a point immediately below the confluence with Spring Branch.				
Listed portion:	CORGRG11_C	Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to a point immediately below the confluence with Spring Branch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

CORGRG12	12. Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to the Old State Bridge east of Lobatos (Conejos County Road G).				
Listed portion:	CORGRG12_A	Mainstem of the Rio Grande from the Rio Grande/Alamosa County line to the Old State Bridge east of Lobatos (Conejos County Road G).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
CORGRG13	13. Mainstem of the Rio Grande from Old State Bridge east of Lobatos (Conejos County Road G) to the Colorado/New Mexico border.				
Listed portion:	CORGRG13_A	Mainstem of the Rio Grande from Old State Bridge east of Lobatos (Conejos County Road G) to the Colorado/New Mexico border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	NA
CORGRG19	19. Mainstem of Rock Creek, including all tributaries and wetlands, from the source to the Monte Vista Canal.				
Listed portion:	CORGRG19_A	Mainstem of Rock Creek, including all tributaries and wetlands, from the source to the Monte Vista Canal.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
CORGRG20a	20a. Mainstem of Cat Creek, including all tributaries and wetlands, from the source to the Rio Grande National Forest boundary.				
Listed portion:	CORGRG20a_B	Deer Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
Listed portion:	CORGRG20a_C	Mainstem of Cat Creek, including all tributaries and wetlands, from the source to the Rio Grande National Forest boundary, excluding Deer Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
CORGRG23a	23a. Mainstem of Sangre de Cristo Creek, including all tributaries and wetlands, from the source to Hwy 159, excluding the specific listings in segment 23b.				
Listed portion:	CORGRG23a_B	Wagon Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
Listed portion:	CORGRG23a_C	Placer Creek and its Tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA

CORGRG23b	23b. Mainstem of Sangre de Cristo Creek from a point immediately below the confluence with Placer Creek to Hwy 159.				
Listed portion:	CORGRG23b_A	Mainstem of Sangre de Cristo Creek from a point immediately below the confluence with Placer Creek to Hwy 159.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
CORGRG25	25. Mainstem of Trinchera Creek including all tributaries and wetlands, from the source to the inlet of Mountain Home Reservoir.				
Listed portion:	CORGRG25_A	Mainstem of Trinchera Creek including all tributaries and wetlands, from the source to the inlet of Mountain Home Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
CORGRG28	28. Mainstem of Rito Seco, including all tributaries and wetlands, from the source to the outlet of Salzar Reservoir.				
Listed portion:	CORGRG28_B	Mainstem of Rito Seco, including all tributaries and wetlands, from the Battle Mountain Gold Mine to Salazar Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
CORGRG33	33. All lakes and reservoirs tributary to the Rio Grande from the source to the Hwy 112 bridge near Del Norte, excluding the specific listings in segments 32 and 38. All lakes and reservoirs tributary to San Francisco Creek from the source to a point immediately below the confluence with Spring Branch.				
Listed portion:	CORGRG33_B	Alberta Park Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
CORGRG37	37. Sanchez Reservoir.				
Listed portion:	CORGRG37_A	Sanchez Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Fish (Mercury)	4a. - TMDL	Retain	NA
CORGRG38	38. Continental Reservoir, Upper Brown Lake, Santa Maria Reservoir, Road Canyon Reservoir, Rio Grande Reservoir, Big Meadows Reservoir, Beaver Creek Reservoir, Smith Reservoir, Mountain Home Reservoir,				
Listed portion:	CORGRG38_B	Smith Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA

Listed portion:	CORGRG38_C	Big Meadows Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	CORGRG38_D	Road Canyon Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	CORGRG38_E	Mountain Home Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen (Temperature)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COSJAF02	2. Mainstem of the Animas River, including all tributaries and wetlands, from the outlet of Denver Lake to a point immediately above the confluence with Minnie Gulch, except for specific listings in Segment 6.				
Listed portion:	COSJAF02_B	Mainstem of the Animas River, including all tributaries and wetlands, from the outlet of Denver Lake to a point immediately above the confluence with Minnie Gulch, except for specific listings in Segment 6.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
COSJAF03a	3a. Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with Minnie Gulch to immediately above the confluence with Cement Creek.				
Listed portion:	COSJAF03a_A	Mainstem of the Animas River, including wetlands, from a point immediately below the confluence with Minnie Gulch to immediately above the confluence with Cement Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

Listed portion:	COSJAF03a_B	Mainstem of the Animas River, including wetlands, From Minnie Gulch to Maggie Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

COSJAF03b 3b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Cement Creek to a point immediately above the confluence with Mineral Creek.

Listed portion:	COSJAF03b_A	Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Cement Creek to a point immediately above the confluence with Mineral Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA

COSJAF03c 3c. Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.

Listed portion:	COSJAF03c_A	Arrastra Gulch including all tributaries and wetlands from the source to the confluence with the Animas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M

COSJAF04a 4a. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.

Listed portion:	COSJAF04a_A	Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Mineral Creek to a point immediately above the confluence with Deer Park Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Aluminum (Total)	5. - 303(d)	Retain	M
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

COSJAF04b	4b. Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge (37.458620, -107.799194).				
Listed portion:	COSJAF04b_A	Mainstem of the Animas River, including wetlands, from a point immediately above the confluence with Deer Park Creek to Bakers Bridge.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
COSJAF05a	5a. Mainstem of the Animas River, including wetlands, from Bakers Bridge (37.458620, -107.799194) to the Southern Ute Indian Reservation boundary.				
Listed portion:	COSJAF05a_B	Mainstem of the Animas River, including wetlands, from Bakers Bridge to Junction Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
Listed portion:	COSJAF05a_C	Mainstem of the Animas River, including wetlands, from Junction Creek to the Southern Ute Indian Reservation boundary.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
COSJAF06	6. Mainstem of the Animas River from the source to the outlet of Denver Lake. Mainstem, including all tributaries and wetlands of Cinnamon Creek, Grouse Gulch, Picayne Gulch, and Minnie Gulch. All tributaries and wetlands to the Animas River from immediately above Maggie Gulch to to a point immediately above Elk Creek except for those listed under segments 3c, 7, 8 and 9. South Mineral Creek and all other tributaries and wetlands to Mineral Creek, except for those specifically listed in segments 8 and 9.				
Listed portion:	COSJAF06_D	Mill Creek, Porohyry Gulch, and Big Horn Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA

COSJAF07	7. Mainstem of Cement Creek, including all tributaries, and wetlands, from the source to the confluence with the Animas River.				
Listed portion:	COSJAF07_A	Mainstem of Cement Creek, including all tributaries, and wetlands, from the source to the confluence with the Animas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
COSJAF08	8. Mainstem of Mineral Creek, including wetlands, from the source to a point immediately above the confluence with South Mineral Creek. All tributaries on the east side of this segment of Mineral Creek including wetlands, except for Big Horn Creek. Mainstem of the Middle Fork of Mineral Creek including all tributaries and wetlands from the source to the confluence with Mineral Creek except for Crystal Lake and its exiting tributary to confluence with Middle Fork of Mineral Creek.				
Listed portion:	COSJAF08_A	Mainstem of Mineral Creek, including wetlands, from the source to a point immediately above the confluence with South Mineral Creek. All tributaries on the east side of this segment of Mineral Creek including wetlands, except for Big Horn Creek. Mainstem of the Middle Fork of Mineral Creek including all tributaries and wetlands from the source to the confluence with Mineral Creek except for Crystal Lake and its exiting tributary to confluence with Middle Fork of Mineral Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COSJAF08_B	Middle Fork of Mineral Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Aluminum (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA

COSJAF09	9. Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.				
Listed portion:	COSJAF09_A	Mainstem of Mineral Creek, including wetlands, from immediately above the confluence with South Mineral Creek to the confluence with the Animas River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Aluminum (Total)	5. - 303(d)	Retain	M
COSJAF10a	10a. Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.				
Listed portion:	COSJAF10a_A	Mainstem of the Florida River from the boundary of the Weminuche Wilderness Area to the inlet of Lemon Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COSJAF13a	13a. Mainstem of Junction Creek including all tributaries, from the U.S. Forest Boundary to the confluence with Animas River.				
Listed portion:	COSJAF13a_B	Junction Creek from US Forest Boundary to confluence with the Animas River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COSJAF22	22. Electra Lake. Lake Nighthorse.				
Listed portion:	COSJAF22_B	Electra Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
COSJDO04a	4a. Mainstem of the Dolores River from a point immediately above the confluence with Bear Creek to the bridge at Bradfield Ranch (Forest Route 505, near Montezuma/Dolores County Line).				
Listed portion:	COSJDO04a_B	Mainstem of the Dolores River from a point immediately above the confluence with Bear Creek to McPhee Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H

COSJDO04b	4b. McPhee Reservoir and Summit Reservoir.				
Listed portion:	COSJDO04b_A	Summit Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
Listed portion:	COSJDO04b_B	McPhee Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	4a. - TMDL	Retain	NA
COSJDO05a	5a. All tributaries to the Dolores River and West Dolores River, including all wetlands, from the source to a point immediately below the confluence with the West Dolores River except for specific listings in Segments 1 and 5b through 10.				
Listed portion:	COSJDO05a_B	Fish Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Listed portion:	COSJDO05a_C	Roaring Forks Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
COSJDO09	9. Mainstem of Silver Creek from a point immediately below the Town of Rico's water supply diversion to the confluence with the Dolores River.				
Listed portion:	COSJDO09_A	Mainstem of Silver Creek from a point immediately below the Town of Rico's water supply diversion to the confluence with the Dolores River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COSJDO10b	10b. Mainstem of the West Dolores River from above the confluence with Fish Creek to the confluence with the Dolores River.				
Listed portion:	COSJDO10b_A	Mainstem of the West Dolores River from above the confluence with Fish Creek to the confluence with the Dolores River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA

COSJDO11b	11b. All tributaries to the Dolores River, including all wetlands, from a point immediately below the confluence of the West Dolores River to the inlet of McPhee Reservoir, except for the specific listing in Segments 4a and 11a.				
Listed portion:	COSJDO11b_A	All tributaries to the Dolores River, including all wetlands, from below West Dolores River to the inlet of McPhee Reservoir, except for 4a, 11a.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COSJLP01	1. Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.				
Listed portion:	COSJLP01_A	Mainstem of the La Plata River, including all wetlands and tributaries from the source to the Hay Gulch diversion south of Hesperus.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	Retain	H
COSJLP04a	4a. Mainstem of the Mancos River, including all wetlands and tributaries, from the source of the East, West and Middle Forks to the San Juan National Forest Boundary.				
Listed portion:	COSJLP04a_D	Box Canyon Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
Listed portion:	COSJLP04a_E	Mainstem of E. Mancos River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
COSJLP04c	4c. Mainstem of the Mancos River, including all wetlands, tributaries, from below the San Juan National Forest Boundary to Hwy 160. Chicken Creek, including all tributaries, from its source to the confluence with the Mancos River.				
Listed portion:	COSJLP04c_C	Mainstem of the Mancos River the confluence of the East and West Forks to Hwy 160.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H

Listed portion:	COSJLP04c_D	East Mancos River from the National Forest boundry to the confluence with Middle Mancos River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
Listed portion:	COSJLP04c_E	Tributaries of the Mancos River, including all wetlands, from below the San Juan National Forest Boundary to Hwy 160, except the East Mancos River. Chicken Creek, including all tributaries, from its source to the confluence with the Mancos River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
COSJLP05	5. Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation and mainstem of Weber Canyon from source to boundary of the Ute Mountain Ute Indian Reservation.				
Listed portion:	COSJLP05_B	Mainstem of the Mancos River from Hwy 160 to the boundary of the Ute Mountain Indian Reservation.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COSJLP06a	6a. All tributaries to the Mancos River, including all wetlands, from Hwy 160 to the boundary of the Ute Mountain Indian Reservation, except for specific listings in segment 4c, 5, 6b and 6c. Navajo Wash, including all tributaries, from the source to the Ute Mountain Indian Reservation Boundary.				
Listed portion:	COSJLP06a_B	All tributaries to the Mancos River, including all wetlands, from Hwy 160 to the boundary of the Ute Mountain Indian Reservation, except for specific listings in segment 4c, 5, 6b, and 6c. Navajo Wash to the Ute Mountain boundary.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COSJLP07a	7a. Mainstem of McElmo Creek from the source to the confluence with Alkali Canyon. Mainstem of Yellow Jacket Creek, including all tributaries and wetlands, from the source to the confluence with McElmo Creek.				
Listed portion:	COSJLP07a_C	Mainstem of McElmo Creek, from the source to Alkali Canyon.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H

COSJLP07b	7b. Mainstem of McElmo Creek from the confluence with Alkali Canyon to the Colorado/Utah border, except portion within the Ute Mountain Indian Reservation.				
Listed portion:	COSJLP07b_B	Mainstem of McElmo Creek from Alkali Canyon to the Utah border except for portions within the Ute Mountain Ute boundry.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
COSJLP08	8. All tributaries to McElmo Creek, including all wetlands, from the source to the Colorado/Utah border, except for the portions within the Ute Mountain Indian Reservation and except for specific listings in Segments 7a, 7b and 11.				
Listed portion:	COSJLP08_A	All tributaries and wetlands to McElmo Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
Listed portion:	COSJLP08_B	Mud Creek and all tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
Listed portion:	COSJLP08_C	Hartman Draw and all tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
Listed portion:	COSJLP08_D	Trail Canyon and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
Listed portion:	COSJLP08_E	Ritter Draw and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	M

COSJLP09	9. Unnamed tributary to Ritter Draw (confluence at 37.4059, -108.5325).				
Listed portion:	COSJLP09_B	Unnamed tributary to Ritter Draw (confluence at 37.4059, -108.5325).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
COSJLP11	11. Narraguinne, Puett and Totten Reservoirs.				
Listed portion:	COSJLP11_A	Puett Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
Listed portion:	COSJLP11_B	Narraguinne Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Fish (Mercury)	4a. - TMDL	Retain	NA
Listed portion:	COSJLP11_C	Totten Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
COSJPI05a	5a. All tributaries to the Piedra River, including all wetlands, from the boundary of the Weminuche Wilderness Area to a point immediately below the confluence with the First Fork of the Piedra River. Devil Creek, including all tributaries, from the source to a point below the confluence with Dunagan Canyon.				
Listed portion:	COSJPI05a_A	All tributaries to the Piedra River, including all wetlands, from the boundary of the Weminuche Wilderness Area to the confluence with First Fork, Devil Creek and its tributaries to Dunagan Creek, except for segments 2a, 3 and Williams Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COSJPI05a_B	Williams Creek and its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COSJPI06a	6a. All tributaries to the Piedra River, including all wetlands, from a point immediately below the confluence with Devil Creek to Southern Ute Indian Reservation boundary, except the specific listing in Segment 6d.				
Listed portion:	COSJPI06a_E	Mainstem of Stollsteimer Creek from Martinez Creek to the confluence with Hall Canyon			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	3b. - M&E list	Retain	H
	Recreational Use	E. coli	3b. - M&E list	Retain	H
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	M

Listed portion:	COSJPI06a_F	Tributaries to Stollsteimer Creek to the confluence with Hall Canyon not on the the Southern Ute Reservation			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COSJPI06d	6d. Steven's draw from the outlet of Lake Forest Reservoir to the confluence with Martinez Creek.				
Listed portion:	COSJPI06d_A	Steven's Draw from the outlet of Lake Forest Reservoir to the confluence with Martinez Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COSJPI08	8. Williams Creek Reservoir.				
Listed portion:	COSJPI08_A	Williams Creek Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
COSJPN02a	2a. Mainstem of the Los Pinos River from the boundary of the Weminuche Wilderness Area to the boundary of the Southern Ute Indian Reservation except for the specific listing in Segment 3.				
Listed portion:	COSJPN02a_A	Mainstem of the Los Pinos River from the boundary of the Weminuche Wilderness Area to the boundary of the Southern Ute Indian Reservation except for the specific listing in Segment 3.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COSJPN03	3. Vallecito Reservoir.				
Listed portion:	COSJPN03_A	Vallecito Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
COSJPN05	5. Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.				
Listed portion:	COSJPN05_A	Mainstem of Vallecito Creek from the boundary of the Weminuche Wilderness Area to Vallecito Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COSJSJ01b	1b. Mainstem of the Navajo River, including all wetlands and tributaries from below the confluence with Sheep Creek to the Colorado/New Mexico border, except for specific listings in Segment 3.				
Listed portion:	COSJSJ01b_B	Mainstem of the Navajo River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA

COSJSJ03	3. Mainstem of the Little Navajo River from the San Juan-Chama diversion to the confluence with the Navajo River; all tributaries to the Navajo River and the Little Navajo River, including all wetlands, from the San Juan-Chama diversions to the confluence with the San Juan River.				
Listed portion:	COSJSJ03_A	Mainstem of the Little Navajo River from the San Juan-Chama diversion to the confluence with the Navajo River; all tributaries to the Navajo River and the Little Navajo River, including all wetlands, from the San Juan-Chama diversions to the confluence with the San Juan River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COSJSJ05	5. The East and West Forks of the San Juan River, including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence of the mainstem of the San Juan River. All tributaries to the San Juan River from a point below the confluence with the West Fork to a point below the confluence with Fourmile Creek.				
Listed portion:	COSJSJ05_D	West Fork of the San Juan River including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork) to the confluence of the mainstem of the San Juan River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
Listed portion:	COSJSJ05_E	Mainstem of the East Fork of the San Juan River including all tributaries, from the boundary of the Weminuche Wilderness Area (West Fork) and the source (East Fork) to the confluence of the mainstem of the San Juan River. All tributaries to the San Juan River from a point below the confluences of the East and West Forks to the confluence with Fourmile Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
COSJSJ06b	6b. Mainstem of the San Juan River from Highway 160 in Pagosa Springs to the Southern Ute Indian Reservation Northern boundary. Mainstem of Mill Creek from the source to the confluence with the San Juan River.				
Listed portion:	COSJSJ06b_B	Mainstem of Mill Creek, source to confluence with the San Juan River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
Listed portion:	COSJSJ06b_C	Mainstem of the San Juan River from Hwy 160 to the Southern Ute Reservation Boundary.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	Retain	NA
COSJSJ08	8. Navajo Reservoir. Echo Canyon Reservoir.				
Listed portion:	COSJSJ08_B	Echo Canyon Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H

Listed portion:	COSJSJ08_C	Navajo Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	3b. - M&E list	Retain	NA
COSJSJ09a	9a. Mainstem of the Rio Blanco, including all tributaries and wetlands, from a point immediately below the confluence with Leche Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 10.				
Listed portion:	COSJSJ09a_A	Mainstem of the Rio Blanco, including all tributaries and wetlands, from a point immediately below the confluence with Leche Creek to the Southern Ute Indian Reservation boundary, except for specific listings in Segment 10.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
COSJSJ10	10. Mainstem of the Rito Blanco River from Echo Ditch to the confluence with the Rio Blanco River.				
Listed portion:	COSJSJ10_A	Mainstem of the Rito Blanco River from Echo Ditch to the confluence with the Rio Blanco River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
COSPBD01	1. Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River, except for specific listing in Segments 4a, 4b, 5 and 6.				
Listed portion:	COSPBD01_A	Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to Weld County road 8, except for specific listing in Segments 4a, 4b, 5 and 6.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	M
Listed portion:	COSPBD01_B	Mainstem of Big Dry Creek From Weld County road 8 to the confluence with the South Platte River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	M
COSPBD02	2. Standley Lake.				
Listed portion:	COSPBD02_A	Standley Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

COSPBD04a	4a. Mainstem and all tributaries to Woman and Walnut Creeks from sources to Standley Lake and Great Western Reservoir except for specific listings in Segments 4b and 5.				
Listed portion:	COSPBD04a_A	Mainstem and all tributaries to Woman and Walnut Creeks from sources to Standley Lake and Great Western Reservoir except for specific listings in Segments 4b and 5.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	M
COSPBD05	5. North Walnut Creek from the western edge of the Central Operable Unit and South Walnut Creek from its source, including all tributaries, lakes, reservoirs and wetlands, to the eastern boundary of the Central Operable Unit and Pond C-2 on Woman Creek.				
Listed portion:	COSPBD05_A	North Walnut Creek from the western edge of the Central Operable Unit and South Walnut Creek from its source, including all tributaries, lakes, reservoirs and wetlands, to the eastern boundary of the Central Operable Unit and Pond C-2 on Woman Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	NO2+NO3	5. - 303(d)	303(d) / New	L
COSPBE01a	1a. Mainstem of Bear Creek from the boundary of the Mt. Evans Wilderness area to the inlet of Evergreen Lake.				
Listed portion:	COSPBE01a_B	Bear Creek below Yankee Creek to the inlet of Evergreen Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COSPBE01b	1b. Mainstem of Bear Creek from Harriman Ditch to the inlet of Bear Creek Reservoir.				
Listed portion:	COSPBE01b_A	Mainstem of Bear Creek from Harriman Ditch to the inlet of Bear Creek Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M
COSPBE01c	1c. Bear Creek Reservoir.				
Listed portion:	COSPBE01c_A	Bear Creek Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Chlorophyll-A	5. - 303(d)	Retain	H
	Aquatic Life Use	Total Phosphorus	5. - 303(d)	Retain	H
COSPBE01e	1e. Mainstem of Bear Creek from the outlet of Evergreen Lake to the Harriman Ditch.				
Listed portion:	COSPBE01e_A	Mainstem of Bear Creek from Kerr/Swede Gulch to Mount Vernon Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H

Listed portion:	COSPBE01e_B	Bear creek from Mount Vernon Creek to the Harriman Ditch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	M&E / New	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
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COSPBE02	2. Mainstem of Bear Creek from the outlet of Bear Creek Reservoir to the confluence with the South Platte River.				
Listed portion:	COSPBE02_A	Bear Creek from the outlet of Evergreen Lake to Kipling Parkway			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
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Listed portion:	COSPBE02_B	Bear Creek from Kipling Parkway to Wadsworth Boulevard			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
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Listed portion:	COSPBE02_C	Bear Creek from Wadsworth Boulevard to South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
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COSPBE03	3. All tributaries to Bear Creek, including all wetlands, from the source to the outlet of Evergreen Lake. Except for specific listings in Segment 7.				
Listed portion:	COSPBE03_B	Vance Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
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COSPBE04a	4a. All tributaries to Bear Creek, including all wetlands, from the outlet of Evergreen Lake to the confluence with the South Platte River, except for specific listings in Segments 5, 6a, and 6b.				
Listed portion:	COSPBE04a_C	Mt. Vernon Creek and all of its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M

COSPBE06a	6a. Turkey Creek system, including all tributaries and wetlands, from the source to the inlet of Bear Creek Reservoir, except for specific listings in Segment 6b.				
Listed portion:	COSPBE06a_B	Turkey Creek system, including all tributaries and wetlands , from the source to the Bear Lake to Parmalee Gulch, except for specific listings in Segment 6b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
COSPBE06b	6b. Mainstem of North Turkey Creek, from the source to the confluence with Turkey Creek.				
Listed portion:	COSPBE06b_A	Mainstem of North Turkey Creek, from the source to the confluence with Turkey Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
COSPBE11	11. Lakes and reservoirs in the Bear Creek system from the outlet of Evergreen Lake to the confluence with the South Platte River, except as specified in Segments 1c, 10, and 12; includes Soda Lakes.				
Listed portion:	COSPBE11_B	Harriman Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COSPBO02a	2a. Mainstem of Boulder Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek, except for the specific listings in Segment 3.				
Listed portion:	COSPBO02a_A	Mainstem of Middle Boulder Creek below 39.971 -105.4755, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area to a point immediately below the confluence with North Boulder Creek, except for the specific listings in Segment 3.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COSPBO02a_B	North Boulder Creek from Caribou Creek to the confluence with Como Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Iron (Dissolved)	1. - All attaining	M&E / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COSPBO02a_C	North Boulder Creek to the confluence with Caribou Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H

Listed portion:	COSPBO02a_D	Middle Boulder Creek from the outlet at Baker Reservoir to Longitude:-105.475577° Latitude: 39.971275°			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COSPBO02a_E	Mainstem of North Boulder Creek from Como Creek to the confluence of Middle Boulder Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COSPBO02a_F	Como Creek and its tributaries from source to North Boulder Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L
COSPBO02b	2b. Mainstem of Boulder Creek, including all tributaries and wetlands, from a point immediately below the confluence with North Boulder Creek to a point immediately above the confluence with South Boulder Creek.				
Listed portion:	COSPBO02b_B	Mainstem of Boulder Creek from 13th St. to immediately above the confluence with South Boulder Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	303(d) / New	H
Listed portion:	COSPBO02b_D	Mainstem of Boulder Creek, including all tributaries and wetlands, except COSPBO02b_E, from the a point immediately below the confluence with North Boulder Creek to a point immediately above 13th St.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	303(d) / New	H
	Recreational Use	E. coli	5. - 303(d)	303(d) / New	H
Listed portion:	COSPBO02b_E	Mainstem of Fourmile Creek, including all tributaries and wetlands, from the source to the confluence of Boulder Creek, except Gold Run Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Sulfate	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COSPBO02b_F	Gold Run Creek and its tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COSPBO03	3. Mainstem of Middle Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.				
Listed portion:	COSPBO03_A	Tributaries and wetlands to Middle Boulder Creek, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Recreational Use	E. coli	5. - 303(d)	303(d) / New	H
Listed portion:	COSPBO03_B	Mainstem of the Middle Boulder Creek, from the source to the outlet of Barker Reservoir, except for specific listings in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COSPBO04a	4a. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Gross Reservoir except for specific listings in Segment 1.				
Listed portion:	COSPBO04a_A	Mainstem of South Boulder Creek, including all tributaries and wetlands, from the source to the outlet of Gross Reservoir except for specific listings in Segment 1 and Gamble Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COSPBO04a_B	Gamble Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COSPBO04b	4b. Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to South Boulder Road, except for specific listings in Segments 4c and 4d.				
Listed portion:	COSPBO04b_C	Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to the mouth of Eldorado Canyon above the Community Ditch diversion structure (39° 55'56.82"N, 105° 16'50.56"W), except for specific listings in Segments 4c and 4d.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COSPBO04b_D Mainstem of South Boulder Creek, including all tributaries and wetlands, from below the Community Ditch diversion structure (39° 55'56.82"N, 105° 16'50.56"W), to South Boulder Road, except for specific listings in Segments 4c and 4d.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Silver (Dissolved)	5. - 303(d)	303(d) / New	H
COSPBO07a	7a. Mainstem of Coal Creek from Highway 93 to Highway 36 (Boulder Turnpike).				
Listed portion:	COSPBO07a_A Mainstem of Coal Creek from Highway 93 to Highway 36 (Boulder Turnpike).				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COSPBO07b	7b. Mainstem of Coal Creek from Highway 36 to the confluence with Boulder Creek.				
Listed portion:	COSPBO07b_A Mainstem of Coal Creek from Highway 36 to the confluence with Rock Creek.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COSPBO07b_B Mainstem of Coal Creek from Rock Creek to Boulder Creek				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
COSPBO08	8. All tributaries to South Boulder Creek, including all wetlands from South Boulder Road to the confluence with Boulder Creek and all tributaries to Coal Creek, including all wetlands from Highway 93 to the confluence with Boulder Creek.				
Listed portion:	COSPBO08_B Rock Creek.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COSPBO09	9. Mainstem of Boulder Creek from a point immediately above the confluence with South Boulder Creek to the confluence with Coal Creek.				
Listed portion:	COSPBO09_A Mainstem of Boulder Creek from a point immediately above the confluence with South Boulder Creek to 107th Street				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	4a. - TMDL	Retain	NA
	Recreational Use	E. Coli (July - October)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COSPBO09_B	Mainstem of Boulder Creek from 107th Street to Coal Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Ammonia	4a. - TMDL	Retain	NA
	Recreational Use	E. Coli (July - October)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COSPBO10 10. Mainstem of Boulder Creek from the confluence with Coal Creek to the confluence with St. Vrain Creek.

Listed portion:	COSPBO10_A	Mainstem of Boulder Creek from the confluence with Coal Creek to the confluence with St. Vrain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Ammonia	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COSPBO14 14. All lakes and reservoirs tributary to Boulder Creek from the source to a point immediately above the South Boulder Creek confluence, except as specified in Segment 13. This segment includes Barker and Lakewood Reservoir.

Listed portion:	COSPBO14_B	Barker Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L

Listed portion:	COSPBO14_D	Silver Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H

COSPBO18 18. Gross Reservoir.

Listed portion:	COSPBO18_A	Gross Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H

COSPBT01	1. Mainstem of the Big Thompson River, including all tributaries and wetlands, within Rocky Mountain National Park, except for specific listings in Segment 2.				
Listed portion:	COSPBT01_A	Mainstem of the Big Thompson River, including all tributaries and wetlands, within Rocky Mountain National Park, except for specific listings in Segment 2.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H
COSPBT02	2. Mainstem of the Big Thompson River, including all tributaries and wetlands from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion, except for the specific listing in Segment 7; mainstem of Black Canyon Creek and Glacier Creek below Estes Park water treatment plant.				
Listed portion:	COSPBT02_A	Mainstem of the Big Thompson River, including all tributaries and wetlands from UTSD discharge to Cedar Creek, except for the specific listing in Segment 7; mainstem of Black Canyon Creek and Glacier Creek; excluding Fish Creek below Mary's Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COSPBT02_B	Fish Creek below Mary's Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Nitrate	5. - 303(d)	303(d) / New	H
Listed portion:	COSPBT02_C	Mainstem of the Big Thompson River, including all tributaries and wetlands, from RMNP to USTD discharge.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Nitrate	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H

Listed portion:	COSPBT02_D	Mainstem of the Big Thompson River, including all tributaries and wetlands, from Cedar Creek to Home Supply Canal			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H

COSPBT03 3. Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.

Listed portion:	COSPBT03_A	Mainstem of the Big Thompson River from the Home Supply Canal diversion to the Big Barnes Ditch diversion.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M

COSPBT04a 4a. Mainstem of the Big Thompson from the Big Barnes Ditch diversion to the Greeley-Loveland Canal diversion.

Listed portion:	COSPBT04a_A	Mainstem of the Big Thompson from the Big Barnes Ditch diversion to the Greeley-Loveland Canal diversion.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	303(d) / New	H

COSPBT04b 4b. Mainstem of the Big Thompson from the Greeley-Loveland Canal diversion to County Road 11H.

Listed portion:	COSPBT04b_A	Mainstem of the Big Thompson from the Greeley-Loveland Canal diversion to County Road 11H.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

COSPBT04c 4c. Mainstem of the Big Thompson from County Road 11H to I-25.

Listed portion:	COSPBT04c_A	Mainstem of the Big Thompson from County Road 11H to I-25.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	M

COSPBT05	5. Mainstem of The Big Thompson River from I-25 to the confluence with the South Platte River.				
Listed portion:	COSPBT05_A	Mainstem of The Big Thompson River from I-25 to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	M
COSPBT06	6. All tributaries to the Big Thompson River, including all wetlands, from the Home Supply Canal diversion to the confluence with the South Platte River.				
Listed portion:	COSPBT06_A	All tributaries to the Big Thompson River, including all wetlands, from the Home Supply Canal diversion to the confluence with the South Platte River; excluding Dry Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	303(d) / New	M
COSPBT07	7. Mainstem of the North Fork of the Big Thompson River from the boundary of Rocky Mountain National Park to the confluence with the Big Thompson River; mainstem of Buckhorn Creek from the source to the confluence with the Big Thompson River.				
Listed portion:	COSPBT07_A	Mainstem of Buckhorn Creek from the source to the confluence with the Big Thompson River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COSPBT07_B	Mainstem of the North Fork of the Big Thompson River from the boundary of Rocky Mountain National Park to the confluence with the Big Thompson River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Mercury (Total)	5. - 303(d)	303(d) / New	H
COSPBT08	8. Mainstem of the Little Thompson River, including all tributaries and wetlands, from the source to the Culver Ditch diversion.				
Listed portion:	COSPBT08_A	Mainstem of the Little Thompson River, including all tributaries and wetlands, from the the St. Vrain Supply Canal to the Culver Ditch diversion.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L

Listed portion:	COSPBT08_B	Mainstem of the Little Thompson River, including all tributaries and wetlands, from the source to the St. Vrain Supply Canal			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
COSPBT09	9. Mainstem of the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River.				
Listed portion:	COSPBT09_A	Mainstem of the Little Thompson River from the Culver Ditch diversion to the confluence with the Big Thompson River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
COSPBT10	10. All tributaries to the Little Thompson River, including all wetlands, from the Culver Ditch diversion to the confluence with the Big Thompson River.				
Listed portion:	COSPBT10_A	All tributaries to the Little Thompson River, including all wetlands, from the Culver Ditch diversion to the confluence with the Big Thompson River; excluding Big Hollow Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
COSPBT11	11. Carter Lake.				
Listed portion:	COSPBT11_A	Carter Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COSPBT16	16. All lakes and reservoirs tributary to the Big Thompson River from the boundary of Rocky Mountain National Park to the Home Supply Canal diversion. This segment includes Lake Estes and St Mary's Lake.				
Listed portion:	COSPBT16_B	Lake Estes			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
COSPCH01	1. Mainstem of Cherry Creek from the source of East and West Cherry Creek to the inlet of Cherry Creek Reservoir.				
Listed portion:	COSPCH01_A	Mainstem of Cherry Creek from the source of East and West Cherry Creek to the inlet of Cherry Creek Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L

COSPCH02	2. Cherry Creek Reservoir.				
Listed portion:	COSPCH02_A	Cherry Creek Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Chlorophyll-A	5. - 303(d)	Retain	H
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
COSPCH03	3. Mainstem of Cherry Creek from the outlet of Cherry Creek Reservoir to the confluence with the South Platte River.				
Listed portion:	COSPCH03_A	Mainstem of Cherry Creek from the outlet of Cherry Creek Reservoir to Holly Street.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COSPCH03_B	Mainstem of Cherry Creek from Holly street to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COSPCH04a	4a. All tributaries to Cherry Creek, including all wetlands, from the source of East and West Cherry Creeks to the confluence with the South Platte River except for specific listings in Segment 4b.				
Listed portion:	COSPCH04a_A	All tributaries to Cherry Creek, including all wetlands, from the source of East and West Cherry Creeks to the confluence with the South Platte River except for specific listings in Segment 4b; excluding Goldsmith Gulch and McMurdo Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	M&E / New	NA
Listed portion:	COSPCH04a_B	Goldsmith Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
COSPCH04b	4b. Cottonwood Creek, including all tributaries and wetlands, from the source to Cherry Creek Reservoir.				
Listed portion:	COSPCH04b_B	Upper Windmill Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COSPCH06	6. Lakes and reservoirs in watersheds tributary to Cherry Creek within the City and County of Denver.				
Listed portion:	COSPCH06_B	Lollipop Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	303(d) / Remove	NA

COSPCL01	1. Mainstem of Clear Creek, including all tributaries and wetlands, from the source to the I-70 bridge above Silver Plume.				
Listed portion:	COSPCL01_B	Kearney Gulch, Grizzly Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA
COSPCL02a	2a. Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.				
Listed portion:	COSPCL02a_B	Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to the inlet of Georgetown Lake, except for specific listings in Segments 3a and 3b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COSPCL02a_C	From the outlet of Georgetown Lake to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COSPCL02b	2b. Mainstem of Clear Creek, including all tributaries and wetlands, from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.				
Listed portion:	COSPCL02b_B	Mainstem of Clear Creek from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COSPCL02b_C	All tributaries and wetlands of Clear Creek, from the confluence with West Fork Clear Creek to a point just below the confluence with Mill Creek, except for specific listings in Segments 4 through 8.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H

COSPCL02c 2c. Mainstem of Clear Creek, including all tributaries and wetlands, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10.

Listed portion:	COSPCL02c_B	Turkey Gulch below Rockford Tunnel			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	L

Listed portion:	COSPCL02c_C	Mainstem of Clear Creek, from the confluence with Mill Creek to a point just above the Argo Tunnel discharge.			
Affected Use	Analyte	Category / List	Proposed Action	Priority	
Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA	
Aquatic Life Use	Lead (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA	
Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA	
Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA	
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H	

Listed portion:	COSPCL02c_E	Virginia Canyon from its source to its confluence with Clear Creek			
Affected Use	Analyte	Category / List	Proposed Action	Priority	
Aquatic Life Use	Macroinvertebrates	3b. - M&E list	303(d) / Remove	NA	
Water Supply Use	Iron (Dissolved)	3b. - M&E list	M&E / New	NA	
Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA	
Water Supply Use	pH	3b. - M&E list	M&E / New	NA	
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H	
Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L	
Water Supply Use	Cadmium (Total)	5. - 303(d)	303(d) / New	L	
Water Supply Use	Nickel (Total)	5. - 303(d)	303(d) / New	L	
Water Supply Use	Sulfate	5. - 303(d)	303(d) / New	L	
Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H	
Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	H	
Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	303(d) / New	H	
Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	303(d) / New	H	
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H	

Listed portion:	COSPCL02c_F	All tributaries and wetlands of Clear Creek, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10, Virginia Canyon, and Turkey Gulch below Rockford Tunnel.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	303(d) / Remove	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
COSPCL03a					
	3a. Mainstem of South Clear Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for the specific listings in Segments 3b and 19.				
Listed portion:	COSPCL03a_A	Mainstem of South Clear Creek, including all tributaries and wetlands, from the source to Lower Cabin Creek Reservoir, except for the specific listings in Segments 3b and 19.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
Listed portion:	COSPCL03a_B	Mainstem of South Clear Creek, including all tributaries and wetlands, from a point just above Clear Lake to confluence with Clear Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COSPCL03a_C	Mainstem of South Clear Creek from Lower Cabin Creek Reservoir to Clear Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Macroinvertebrates	4b. - 4b plan	Retain	NA
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
COSPCL03b					
	3b. Mainstem of Leavenworth Creek from source to confluence with South Clear Creek.				
Listed portion:	COSPCL03b_A	Mainstem of Leavenworth Creek from source to confluence with South Clear Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	M
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
COSPCL05					
	5. Mainstem of West Fork Clear Creek from the confluence with Woods Creek to the confluence with Clear Creek.				
Listed portion:	COSPCL05_B	West Fork of Clear Creek from Hoop Creek to the confluence with Clear Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H

COSPCL06	6. All tributaries to West Fork Clear Creek, including all wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segments 7 and 8.				
Listed portion:	COSPCL06_C	North Empire Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	pH	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Change from M&E to 303(d)	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	H
	Water Supply Use	Sulfate	5. - 303(d)	Change from M&E to 303(d)	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	303(d) / New	H
COSPCL09a	9a. Mainstem of Fall River, including all tributaries and wetlands, from the source to the confluence with Clear Creek.				
Listed portion:	COSPCL09a_B	Silver Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COSPCL09a_C	Mainstem of Fall River from the source to the confluence with Clear Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
COSPCL09b	9b. Mainstem of Trail Creek, including all tributaries and wetlands from the source to the confluence with Clear Creek.				
Listed portion:	COSPCL09b_A	Mainstem of Trail Creek, including all tributaries and wetlands from the source to the confluence with Clear Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Lead (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Cadmium (Total)	5. - 303(d)	303(d) / New	L

COSPCL10	10. Mainstem of Chicago Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segment 19.				
Listed portion:	COSPCL10_A	Mainstem of Chicago Creek, including all tributaries and wetlands, from the source to the confluence with Clear Creek, except for specific listings in Segment 19.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
COSPCL11	11. Mainstem of Clear Creek from a point just above the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado.				
Listed portion:	COSPCL11_A	Mainstem of Clear Creek from a point just above the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COSPCL12a	12a. All tributaries to Clear Creek, including all wetlands, from the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado, except for specific listings in Segments 12b, 13a and 13b.				
Listed portion:	COSPCL12a_A	All tributaries, excluding Gilson Gulch, to Clear Creek, including all wetlands, from the Argo Tunnel discharge to the Farmers Highline Canal diversion in Golden, Colorado, except for specific listings in Segments 12b, 13a, and 13b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Cadmium (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA

Listed portion:	COSPCL12a_B	Gilson Gulch and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	Change from M&E to 303(d)	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Nickel (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Cadmium (Total)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Lead (Total)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Nickel (Total)	5. - 303(d)	303(d) / New	L

COSPCL13a 13a. Mainstem of North Clear Creek, including all tributaries and wetlands, from its source to its confluence with Chase Gulch, and Four Mile Gulch, including all tributaries and wetlands, from their sources to their confluence with North Clear Creek and Eureka Gulch, including all tributaries and wetlands, from its source to its confluence with Gregory Gulch.

Listed portion:	COSPCL13a_C	Chase Gulch, including all tributaries and wetlands, from its source to its confluence with North Clear Creek.		
Affected Use	Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	M&E / New	NA
Water Supply Use	Iron (Dissolved)	3b. - M&E list	M&E / New	NA
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	303(d) / New	H
Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H

COSPCL13b 13b. Mainstem of North Clear Creek including all tributaries and wetlands from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.

Listed portion:	COSPCL13b_A	All tributaries and wetlands to North Clear Creek from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.			
Affected Use	Analyte	Category / List	Proposed Action	Priority	
Aquatic Life Use	Iron (Dissolved)	1. - All attaining	Changes due to database errors	NA	
Aquatic Life Use	pH	3b. - M&E list	M&E / New	NA	
Aquatic Life Use	Lead (Dissolved)	3b. - M&E list	M&E / New	NA	
Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	M&E / New	NA	
Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA	
Aquatic Life Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA	
Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA	
Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Changes due to database errors	M	

Listed portion:	COSPCL13b_B	Mainstem of N. Clear Creek from a point just below the confluence with Chase Gulch to the confluence with Clear Creek, except for the specific listings in Segment 13a.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Water Supply Use	Iron (Dissolved)	1. - All attaining	Changes due to database errors	NA
	Aquatic Life Use	Iron (Total)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M

COSPCL14a 14a. Mainstem of Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to the Denver Water conduit #16 crossing.

Listed portion:	COSPCL14a_A	Mainstem of Clear Creek from the Farmers Highline Canal diversion in Golden, Colorado to Croke Canal Diversion, and from McIntyre St. to the Denver Water conduit #16 crossing.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Ammonia	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M

Listed portion:	COSPCL14a_B	Mainstem of Clear Creek from Croke Canal Diversion to McIntyre Street.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	M

COSPCL14b 14b. Mainstem of Clear Creek from the Denver Water conduit #16 crossing to a point just below Youngfield Street in Wheat Ridge, Colorado.

Listed portion:	COSPCL14b_A	Mainstem of Clear Creek from the Denver Water conduit #16 crossing to a point just below Youngfield Street in Wheat Ridge, Colorado.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Ammonia	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L
	Aquatic Life Use	Organic Sediment	5. - 303(d)	Retain	L

COSPCL15	15. Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to the confluence with the South Platte River.				
Listed portion:	COSPCL15_B	Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to Wadsworth Blvd (39.7845, -105.0814).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Ammonia	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	L
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Organic Sediment	5. - 303(d)	Retain	L
Listed portion:	COSPCL15_C	Mainstem of Clear Creek from Wadsworth Blvd (39.2492, -105.6608) to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Sediment	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	L
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Organic Sediment	5. - 303(d)	Retain	L
COSPCL16a	16a. Mainstem of Lena Gulch including all tributaries and wetlands from its source to the inlet of Maple Grove Reservoir.				
Listed portion:	COSPCL16a_A	Mainstem of Lena Gulch including all tributaries and wetlands from its source to the inlet of Maple Grove Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
COSPCL17a	17a. Arvada Reservoir.				
Listed portion:	COSPCL17a_A	Arvada Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H

COSPCL17b	17b. Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.				
Listed portion:	COSPCL17b_A	Mainstem of Ralston Creek, including all tributaries and wetlands, from the source to the inlet of Arvada Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	1. - All attaining	M&E / Remove	NA
	Recreational Use	E. coli	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	M
COSPCL18a	18a. Mainstem of Ralston Creek, including all tributaries and wetlands, from the outlet of Arvada Reservoir to the confluence with Clear Creek.				
Listed portion:	COSPCL18a_A	Mainstem of Ralston Creek, including all tributaries and wetlands, from the outlet of Arvada Reservoir to the confluence with Clear Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COSPCL18b	18b. Mainstem of Leyden Creek and Van Bibber Creek from their source to their confluence with Ralston Creek. Mainstem of Little Dry Creek from its source to its confluence with Clear Creek.				
Listed portion:	COSPCL18b_A	Mainstem of Leyden Creek and Van Bibber Creek from their source to their confluence with Ralston Creek. Mainstem of Little Dry Creek from its source to its confluence with Clear Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
COSPCL23	23. Ralston Reservoir				
Listed portion:	COSPCL23_A	Ralston Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	M
COSPCP02a	2a. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from the boundaries of Rocky Mountain National Park and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.				
Listed portion:	COSPCP02a_B	Mainstem of the Cache La Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	COSPCP02a_C	All tributaries and wetlands of the Cache la Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COSPCP02b	2b. Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from a point immediately below the confluence with the South Fork Cache La Poudre River to the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion).				
Listed portion:	COSPCP02b_A	Mainstem of the Cache La Poudre River, including all tributaries and wetlands, from a point immediately below the confluence with the South Fork Cache La Poudre River to the Monroe Gravity Canal/North Poudre Supply canal diversion.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPCP06	6. Mainstem of the North Fork of the Cache La Poudre River, including all tributaries and wetlands, from the source to the inlet of Halligan Reservoir.				
Listed portion:	COSPCP06_A	Mainstem of the North Fork of the Cache La Poudre River, including all tributaries and wetlands, from the source to the inlet of Halligan Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COSPCP07	7. Mainstem of the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 20.				
Listed portion:	COSPCP07_B	North Fork of Cache la Poudre River from five miles below Halligan Reservoir to the confluence with the mainstem of the Cache la Poudre River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

Listed portion:	COSPCP07_C	North Fork Cache la Poudre River five miles below Halligan Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	M
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

COSPCP08 8. All tributaries to the North Fork of the Cache La Poudre River, including all wetlands, from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 9.

Listed portion:	COSPCP08_A	All tributaries to the North Fork of the Cache La Poudre River, including all wetlands from, the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River, except for specific listings in Segment 9.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

COSPCP09 9. Mainstem of Rabbit Creek and Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.

Listed portion:	COSPCP09_B	Mainstem of Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	303(d) / New	L

Listed portion:	COSPCP09_C	Mainstem of Rabbit Creek from the source to the confluence with the North Fork of the Cache La Poudre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COSPCP10a 10a. Mainstem of the Cache La Poudre River from the Munroe Gravity Canal Headgate (also known as the North Poudre Supply Canal diversion) to a point immediately above the Larimer County Ditch diversion (40.657, -105.185).

Listed portion:	COSPCP10a_A	Mainstem of the Cache La Poudre River from the Munroe Gravity Canal Headgate/North Poudre Supply Canal diversion to a point immediately above the Larimer County Ditch diversion (40.657, -105.185)			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H

COSPCP10b	10b. Mainstem of the Cache La Poudre River from a point immediately above the Larimer County Ditch diversion (40.657, -105.185) to Shields Street in Ft. Collins, Colorado.				
Listed portion:	COSPCP10b_A	Mainstem of the Cache La Poudre River from a point immediately above the Larimer County Ditch diversion (40.657, -105.185) to Shields Street in Ft. Collins, Colorado.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
COSPCP11	11. Mainstem of the Cache La Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.				
Listed portion:	COSPCP11_A	Mainstem of the Cache La Poudre River from Shields Street in Ft. Collins to a point immediately above the confluence with Boxelder Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	L
COSPCP12	12. Mainstem of the Cache La Poudre River from a point immediately above the confluence with Boxelder Creek to the confluence with the South Platte River.				
Listed portion:	COSPCP12_A	Mainstem of the Cache La Poudre River from a point immediately above the confluence with Boxelder Creek to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	1. - All attaining	M&E / Remove	NA
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
COSPCP13a	13a. All tributaries to the Cache La Poudre River, including all wetlands, from the Munroe Gravity Canal/North Poudre Supply canal diversion to the confluence with the South Platte River, except for specific listings in Segments 6, 7, 8, 13b and 13c.				
Listed portion:	COSPCP13a_B	Dry Creek and all tributaries.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Sulfate	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	303(d) / New	M
Listed portion:	COSPCP13a_D	Spring Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
Listed portion:	COSPCP13a_E	Fossil Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	pH	5. - 303(d)	303(d) / New	M

COSPCP13b	13b. Mainstem of Boxelder Creek from its source to the confluence with the Cache La Poudre River.				
Listed portion:	COSPCP13b_A	Mainstem of Boxelder Creek from its source to the confluence with the Cache La Poudre River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Recreational Use	E. coli	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
COSPCP14	14. Horsetooth Reservoir.				
Listed portion:	COSPCP14_A	Horsetooth Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COSPCP20	20. All lakes and reservoirs tributary to the North Fork of the Cache La Poudre River from the inlet of Halligan Reservoir to the confluence with the Cache La Poudre River. This segment includes Halligan Reservoir and Seaman Reservoir.				
Listed portion:	COSPCP20_B	Seaman Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	M
COSPLA02a	2a. Mainstem of the Laramie River from the source to the National Forest boundary, and all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for specific listings in Segment 1.				
Listed portion:	COSPLA02a_A	Mainstem of the Laramie River from the source to the National Forest boundary, and all tributaries and wetlands, from the source to the Colorado/Wyoming border, except for specific listings in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	pH	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	M&E / New	NA
COSPLA02b	2b. Mainstem of the Laramie River from the National Forest boundary to the Colorado/Wyoming border.				
Listed portion:	COSPLA02b_A	Mainstem of the Laramie River from the National Forest boundary to the Colorado/Wyoming border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H

COSPLS01	1. Mainstem of the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border.				
Listed portion:	COSPLS01_A	Mainstem of the South Platte River from the Weld/Morgan County line to the Colorado/Nebraska border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Selenium (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Uranium (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Sulfate	5. - 303(d)	Change from M&E to 303(d)	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPLS02b	2b. All tributaries to the South Platte River, including all wetlands, north of the South Platte River and below 4,500 feet in elevation in Morgan County, north of the South Platte River in Washington County, north of the South Platte River and below 4,200 feet in elevation in Logan County, north of the South Platte River and below 3,700 feet in elevation in Sedgwick County, and the mainstems of Beaver Creek, Bijou Creek and Kiowa Creek from their sources to the confluence with the South Platte River, except for the portion of Beaver Creek from its source to the Fort Morgan Canal.				
Listed portion:	COSPLS02b_B	Beaver Creek from the source to South Platte River, except for the portion of Beaver Creek from its source to the Fort Morgan Canal.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COSPLS02b_C	Kiowa Creek and tributaries from the source to South Platte River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	M
COSPLS03	3. Jackson Reservoir, Prewitt Reservoir, North Sterling Reservoir, Jumbo (Julesburg), Riverside Reservoir, Empire Reservoir, and Vancil Reservoir.				
Listed portion:	COSPLS03_B	North Sterling Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COSPLS03_C	Jumbo Reservoir (Julesburg Reservoir).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	COSPLS03_D	Jackson Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	H

COSPMS01a	1a. Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.				
Listed portion:	COSPMS01a_A	Mainstem of the South Platte River from a point immediately below the confluence with Big Dry Creek to the confluence with St. Vrain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Nitrate	4b. - 4b plan	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPMS01b	1b. Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.				
Listed portion:	COSPMS01b_A	Mainstem of the South Platte River from a point immediately below the confluence with St. Vrain Creek to the Weld/Morgan County Line.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Nitrate	5. - 303(d)	303(d) / New	H
COSPMS04	4. Barr Lake and Milton Reservoir.				
Listed portion:	COSPMS04_A	Barr Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
Listed portion:	COSPMS04_B	Milton Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Dissolved Oxygen	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPMS05a	5a. Mainstem of Lone Tree Creek from the source to the confluence with the South Platte River.				
Listed portion:	COSPMS05a_A	Mainstem of Lone Tree Creek from the source to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Nitrate	5. - 303(d)	303(d) / New	H

COSPMS05c	5c. Mainstems of Crow Creek and Box Elder Creek from their sources to their confluences with the South Platte River, except for specific listings in Segment 5b.				
Listed portion:	COSPMS05c_A	Mainstems of Crow Creek and Box Elder Creek from their sources to their confluences with the South Platte River, except for specific listings in Segment 5b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	303(d) / New	M
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	M
COSPMS07	7. All lakes and reservoirs tributary to the South Platte River from a point immediately below the confluence with Big Dry Creek to the Weld/Morgan County line, except for specific listings in the subbasins of the South Platte River, and in Segment 4.				
Listed portion:	COSPMS07_B	Prospect Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	L
Listed portion:	COSPMS07_C	Horse Creek Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	M
COSPPE01	1. Mainstem of the South Fork of the Republican River from a point 23 miles above the Colorado-Kansas border (39.582154°, -102.350838°) to the Colorado-Kansas border.				
Listed portion:	COSPPE01_A	Mainstem of the South Fork of the Republican River from a point 10 miles above Bonny Reservoir to the Colorado-Kansas border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Lead (Dissolved)	5. - 303(d)	Retain	H
COSPPE03	3. Mainstem of the North Fork of the Republican River from the source to the Colorado/Nebraska border and the mainstem of Chief Creek.				
Listed portion:	COSPPE03_A	Mainstem of the North Fork of the Republican River from the source to the Colorado/Nebraska border and the mainstem of Chief Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPPE05	5. Mainstem of Black Wolf Creek from the source to the confluence with the Arikaree River.				
Listed portion:	COSPPE05_A	Mainstem of the Black Wolf Creek from the source to the confluence with the Arikaree River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA

COSPSV01	1. All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.				
Listed portion:	COSPSV01_B	Mainstem of South St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
Listed portion:	COSPSV01_C	All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park, except for the mainstem of South St. Vrain.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	pH	5. - 303(d)	303(d) / New	H
COSPSV02a	2a. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park to the eastern boundary of Roosevelt National Forest.				
Listed portion:	COSPSV02a_A	Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the boundary of the Indian Peaks Wilderness Area and Rocky Mountain National Park to the eastern boundary of Roosevelt National Forest.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
COSPSV02b	2b. Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the eastern boundary of Roosevelt National Forest to Hygiene Road.				
Listed portion:	COSPSV02b_A	Mainstem of St. Vrain Creek, including all tributaries and wetlands, from the eastern boundary of Roosevelt National Forest to Hygiene Road. Except part of South Saint Vrain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COSPSV02b_B	South Saint Vrain Creek from just below its confluence with Red Hill Gulch to its confluence with North Saint Vrain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H

COSPSV03	3. Mainstem of St. Vrain Creek from Hygiene Road to the confluence with the South Platte River.				
Listed portion:	COSPSV03_B	Mainstem of St. Vrain Creek from the confluence with Left Hand Creek to the confluence with Boulder Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COSPSV03_C	Mainstem of St. Vrain Creek from Hover Road to Left Hand Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COSPSV03_D	Mainstem of St. Vrain Creek from Hygiene Road to Hover Road and St. Vrain Creek from I-25 to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COSPSV03_E	Mainstem of St. Vrain Creek from Boulder Creek to I-25.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
COSPSV04a	4a. Mainstem of Left Hand Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with James Creek, except for specific listings in Segment 4b.				
Listed portion:	COSPSV04a_A	Mainstem of Left Hand Creek, including all tributaries and wetlands, from the source to Hwy 72, except for specific listings in Segment 4b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	1. - All attaining	Changes due to database errors	NA
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	Changes due to database errors	NA
	Aquatic Life Use	pH	5. - 303(d)	Changes due to database errors	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	pH	5. - 303(d)	Changes due to database errors	H
Listed portion:	COSPSV04a_B	Mainstem of Left Hand Creek, including all tributaries and wetlands from Hwy 72 to James Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA

COSPSV04b	4b. Mainstem of James Creek, including all tributaries and wetlands, from the source to the confluence with Left Hand Creek.				
Listed portion:	COSPSV04b_A	Mainstem of James Creek, including all tributaries and wetlands, from the source to the confluence with Left Hand Creek, excluding Little James Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	pH	5. - 303(d)	303(d) / New	H
Listed portion:	COSPSV04b_B	Little James Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	303(d) / New	L
COSPSV04c	4c. Mainstem of Left Hand Creek, including all tributaries and wetlands, from a point immediately below the confluence with James Creek to Highway 36.				
Listed portion:	COSPSV04c_A	Mainstem of Left Hand Creek, including all tributaries and wetlands, from a point immediately below the confluence with James Creek to Highway 36.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
COSPSV05	5. Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to the confluence with St. Vrain Creek.				
Listed portion:	COSPSV05_A	Mainstem of Left Hand Creek, including all tributaries and wetlands from a point above the Lefthand Feeder Canal to the confluence with St. Vrain Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L

Listed portion:	COSPSV05_B	Mainstem of Left Hand Creek, including all tributaries and wetlands from Highway 36 to a point above the Lefthand Feeder Canal			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	M
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COSPSV06	6. All tributaries to St. Vrain Creek, including wetlands from Hygiene Road to the confluence with the South Platte River, except for specific listings in the Boulder Creek subbasin and in Segments 4a, 4b, 4c and 5.				
Listed portion:	COSPSV06_A	All tributaries to St. Vrain Creek, including wetlands from Hygiene Road to the confluence with the South Platte River, except for specific listings in the Boulder Creek subbasin and in Segments 4a, 4b, 4c and 5; excluding Dry Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
Listed portion:	COSPSV06_B	Dry Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
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COSPSV07	7. Boulder Reservoir, Coot Lake, Left Hand Valley Reservoir and Spurgeon Reservoir.				
Listed portion:	COSPSV07_B	Boulder Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
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COSPUS01a	1a. Mainstem of the South Platte River from the source of the South and Middle Forks to the inlet of Cheesman Reservoir.				
Listed portion:	COSPUS01a_A	Mainstem of the South Platte River from the source of the South and Middle Forks to the Elevenmile Reservoir and from the Idlewilde picnic area to the inlet of Cheesman Reservoir; except for the Middle Fork South Platte River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
Listed portion:	COSPUS01a_B	Middle Fork South Platte River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

Listed portion:	COSPUS01a_C	South Platte River from the outlet of Elevenmile Reservoir to the Idlewilde picnic area			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
Listed portion:	COSPUS01a_D	South Fork of the South Platte from Antero Reservoir to the confluence with the Middle Fork of the South Platte. Was Listed incorrectly in Reg. 93 as COSPUS02a.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
Listed portion:	COSPUS01a_E	South Platte River from Idlewilde picnic area to Cheesman Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPUS01b	1b. All tributaries to the South Platte River, including wetlands within the Lost Creek and Mt. Evans Wilderness Areas.				
Listed portion:	COSPUS01b_B	Trail Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	Changes due to database errors	NA
Listed portion:	COSPUS01b_C	Hankins Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Cadmium (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
COSPUS02a	2a. All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for specific listings in Segment 1b, 2b and 2c.				
Listed portion:	COSPUS02a_B	Twin Creek, on USFS Land			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
Listed portion:	COSPUS02a_C	All tributaries to South Fork of S. Platte above Antero Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA

Listed portion:	COSPUS02a_E	All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for Snyder Creek and for specific listings in Segment 1b, 2b and 2c.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COSPUS02a_F	Snyder Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COSPUS02b	2b. Mainstem of Mosquito Creek from the confluence with South Mosquito Creek to its confluence with the Middle Fork of the South Platte River.				
Listed portion:	COSPUS02b_A	Mainstem of Mosquito Creek from the confluence with South Mosquito Creek to its confluence with the Middle Fork of the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
COSPUS02c	2c. South Mosquito Creek from the source to confluence with Mosquito Creek and No Name Creek from the source to the confluence with South Mosquito Creek.				
Listed portion:	COSPUS02c_A	No Name Creek from the source to the confluence with South Mosquito Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
Listed portion:	COSPUS02c_C	South Mosquito Creek from the London Mine to confluence with Mosquito Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

Listed portion:	COSPUS02c_D	South Mosquito Creek from the source to London Mine			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Iron (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

COSPUS03 3. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with Tarryall Creek to a point immediately above the confluence with the North Fork of the South Platte River, except for specific listings in Segment 1b.

Listed portion:	COSPUS03_B	Trout Creek and tributaries on USFS property			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L

Listed portion:	COSPUS03_C	Pine Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COSPUS03_D	Fourmile Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	pH	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Mercury (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COSPUS03_E	Horse Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Iron (Total)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Temperature	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

Listed portion:	COSPUS03_F	West Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Iron (Total)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Mercury (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	3b. - M&E list	M&E / New	NA
Listed portion:	COSPUS03_G	Wigwam Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COSPUS03_H	Goose Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
COSPUS04	4. Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from the source to the confluence with the South Platte River, except for specific listings in Segments 1b, 5a, 5b, and 5c.				
Listed portion:	COSPUS04_C	Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from the source to the confluence with Sawmill Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Aquatic Life Use	Sediment	5. - 303(d)	303(d) / New	H
Listed portion:	COSPUS04_E	Mainstem and tributaries of North Fork of the South Platte River, from Sawmill gulch to Geneva Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Aquatic Life Use	Sediment	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	303(d) / New	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L

Listed portion:	COSPUS04_F	Mainstem of the North Fork of the South Platte River, including all tributaries and wetlands from Geneva Creek to the confluence with the South Platte River, except for specific listings in Segments 1b, 5a, 5b, and 5c. Excludes Hall Valley area to Geneva Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
	Recreational Use	E. coli	5. - 303(d)	303(d) / New	H
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COSPUS05a	5a. Mainstem of Geneva Creek from the source to the confluence with Scott Gomer Creek.				
Listed portion:	COSPUS05a_A	Mainstem of Geneva Creek from the source to the confluence with Scott Gomer Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
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COSPUS05b	5b. Mainstem of Geneva Creek from the confluence with Scott Gomer Creek to the confluence with the North Fork of the South Platte River; all tributaries of Geneva Creek including wetlands from source to confluence with the North Fork of the South Platte River.				
Listed portion:	COSPUS05b_A	All tributaries of Geneva Creek including wetlands from source to confluence with the North Fork of the South Platte River. Excludes Geneva Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
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Listed portion:	COSPUS05b_B	Mainstem of Geneva Creek from the confluence with Scott Gomer Creek to the confluence with the North Fork of the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
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COSPUS05c	5c. Mainstem of Gooseberry Gulch and all tributaries from source to Sunset Trail.				
Listed portion:	COSPUS05c_B	Unnamed Tributary to Gooseberry Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	5. - 303(d)	Retain	M
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COSPUS06a	6a. Mainstem of the South Platte River from the outlet of Cheesman Reservoir to the inlet of Chatfield Reservoir.				
Listed portion:	COSPUS06a_A	Mainstem of the South Platte River from the Lazy Gulch to the inlet of Chatfield Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

Listed portion:	COSPUS06a_B	South Platte River from outlet of Cheesman Reservoir to Lazy Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COSPUS06b	6b. Chatfield Reservoir				
Listed portion:	COSPUS06b_A	Chatfield Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	303(d) / New	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
COSPUS07	7. All tributaries to the South Platte River, including all wetlands from a point immediately below the confluence with the North Fork of the South Platte River to the outlet of Chatfield Reservoir except for specific listings in Segments 8, 9, 10, 11, 12, and 13.				
Listed portion:	COSPUS07_B	Willow Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	M
COSPUS09	9. Mainstem of Bear Creek, including all tributaries and wetlands from the source to the inlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir (Douglas County).				
Listed portion:	COSPUS09_B	Mainstem of Bear Creek from the source to the inlet of Perry Park Reservoir (Douglas County).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
COSPUS10a	10a. Mainstems of East Plum Creek, West Plum Creek, and Plum Creek from the boundary of National Forest lands to Chatfield Reservoir, mainstems of Stark Creek and Gove Creek from the boundary of National Forest lands to their confluence.				
Listed portion:	COSPUS10a_B	Mainstems of West Plum Creek from the boundary of National Forest lands to Chatfield Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COSPUS10a_C	Mainstems of East Plum Creek from the boundary of National Forest lands to Chatfield Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COSPUS10a_D	Mainstem of Plum Creek from the boundary of National Forest lands to Chatfield Reservoir,			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	H

COSPUS11a	11a. All tributaries to the East Plum Creek system, including all wetlands which are not on national forest lands.				
Listed portion:	COSPUS11a_A	All tributaries to the East Plum Creek system, including all wetlands which are not on national forest lands. Excludes Cook Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	pH	3b. - M&E list	Retain	NA
Listed portion:	COSPUS11a_B	Mainstem of Cook Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
COSPUS11b	11b. All tributaries to the West Plum Creek system, including all wetlands, which are not on national forest lands, except for specific listings in Segments 9 and 12.				
Listed portion:	COSPUS11b_B	Spring Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COSPUS12	12. Mainstem of Garber Creek and Jackson Creek from the boundary of National Forest lands to the confluence with West Plum Creek; mainstem of Bear Creek from the outlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir, to the confluence with West Plum Creek.				
Listed portion:	COSPUS12_A	Mainstem of Garber Creek from the boundary of National Forest lands to the confluence with West Plum Creek; mainstem of Bear Creek from the outlet of Perry Park Reservoir, a.k.a. Waucondah Reservoir, to the confluence with West Plum Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COSPUS12_B	Jackson Creek from the boundary of National Forest lands to the confluence with West Plum Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COSPUS14	14. Mainstem of the South Platte River from the outlet of Chatfield Reservoir to the Burlington Ditch diversion in Denver, Colorado.				
Listed portion:	COSPUS14_B	Mainstem of the South Platte River from Bowles Ave. to the Burlington Ditch diversion in Denver, Colorado.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Nitrate	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COSPUS14_C	Mainstem of the South Platte River from the outlet of Chatfield Reservoir to Bowles Ave.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Recreational Use	E. coli	5. - 303(d)	303(d) / New	H

COSPUS15 15. Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado, to a point immediately below the confluence with Big Dry Creek.

Listed portion:	COSPUS15_B	Mainstem of the South Platte River from the Burlington Ditch diversion in Denver, Colorado to Sand Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Aquatic Life Use	Ammonia	4b. - 4b plan	Retain	NA
	Water Supply Use	Nitrate	4b. - 4b plan	Retain	NA
	Water Supply Use	Sulfate	5. - 303(d)	303(d) / New	L
	Water Supply Use	Cadmium (Total)	5. - 303(d)	303(d) / New	L

Listed portion:	COSPUS15_C	Mainstem of the South Platte River from Sand Creek, to 180 meters below 120th Ave.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Ammonia	4b. - 4b plan	Retain	NA
	Water Supply Use	Nitrate	4b. - 4b plan	Retain	NA

Listed portion:	COSPUS15_D	Mainstem of the South Platte River from 180 meters below 120th Ave, to a point immediately below the confluence with Big Dry Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Recreational Use	E. coli	4a. - TMDL	Retain	NA
	Aquatic Life Use	Ammonia	4b. - 4b plan	Retain	NA
	Water Supply Use	Nitrate	4b. - 4b plan	Retain	NA

COSPUS16a	16a. Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.				
Listed portion:	COSPUS16a_A	Mainstem of Sand Creek from the confluence of Murphy and Coal Creek in Arapahoe County to the confluence with the Toll Gate Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COSPUS16c	16c. All tributaries to the South Platte River, including all wetlands, from the outlet of Chatfield Reservoir, to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16a, 16d, 16e, 16f, 16g, 16h, 16i, 16j, and 16k.				
Listed portion:	COSPUS16c_A	All tributaries to the South Platte River, including all wetlands, from the outlet of Chatfield Reservoir, to a point immediately below the confluence with Big Dry Creek, except for specific listings in the subbasins of the South Platte River, and in Segments 16a, 16d, 16e, 16f, 16g, 16h, 16i, 16j, and 16k.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli (May-October)	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COSPUS16g	16g. Marcy Gulch, including all wetlands from the source to the confluence with the South Platte.				
Listed portion:	COSPUS16g_A	Marcy Gulch, including all wetlands from the source to the confluence with the South Platte.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
COSPUS16i	16i. Mainstem of Sand Creek from the confluence with Toll Gate Creek to the confluence with the South Platte River.				
Listed portion:	COSPUS16i_A	Mainstem of Sand Creek from the confluence with Toll Gate Creek to the confluence with Westerly Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	M
Listed portion:	COSPUS16i_B	Mainstem Sand Creek from the confluence with Westerly Creek to the confluence with the South Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	303(d) / New	M

COSPUS17a	17a. Washington Park Lakes, City Park Lakes, Rocky Mountain Lake, Berkely Lake.				
Listed portion:	COSPUS17a_B	Duck Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	5. - 303(d)	Retain	H
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	H
Listed portion:	COSPUS17a_C	Ferril Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	H
Listed portion:	COSPUS17a_D	Berkeley Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	H
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
Listed portion:	COSPUS17a_E	Rocky Mountain Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
	Aquatic Life Use	pH	5. - 303(d)	Retain	L
Listed portion:	COSPUS17a_F	Smith Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
Listed portion:	COSPUS17a_G	Grasmere Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	1. - All attaining	303(d) / Remove	NA
COSPUS17b	17b. Sloan's Lake.				
Listed portion:	COSPUS17b_A	Sloan's Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	H

COSPUS19	19. Lakes and reservoirs in the South Platte River system from headwaters to Chatfield Reservoir, except for specific listings in Segment 18. Includes Antero, Spinney Mountain, Elevenmile, Cheesman, and Strontia Springs.				
Listed portion:	COSPUS19_B	Cheesman Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	3b. - M&E list	Retain	NA
COSPUS23	23. Lakes and reservoirs in watersheds tributary to the Upper South Platte River and within the City and County of Denver, except for specific listings in the other subbasins of the South Platte River and in Segments 17a and 17b..				
Listed portion:	COSPUS23_B	Barnum Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	L
Listed portion:	COSPUS23_C	Vanderbilt Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	M
Listed portion:	COSPUS23_D	Garfield Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	M
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	M
Listed portion:	COSPUS23_E	Harvey Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Change from M&E to 303(d)	M
Listed portion:	COSPUS23_F	Aqua Golf.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	5. - 303(d)	Change from M&E to 303(d)	M
	Aquatic Life Use	pH	5. - 303(d)	Retain	M
Listed portion:	COSPUS23_G	Parkfield Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	M
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	M
Listed portion:	COSPUS23_H	Overland Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	M

Listed portion:	COSPUS23_I	Houston Lake.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	303(d) / New	M
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	M
COUCBL01	1. Mainstem of the Blue River from the source to the confluence with French Gulch.				
Listed portion:	COUCBL01_A	Mainstem of the Blue River from the source to the above the confluence with French Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COUCBL02a	2a. Mainstem of the Blue River from the confluence with French Gulch to a point one half mile below Summit County Road 3.				
Listed portion:	COUCBL02a_A	Blue River from South Barton Gulch to one half mile below Summit County Road 3			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Cadmium (Total)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Nitrite	5. - 303(d)	303(d) / New	H
Listed portion:	COUCBL02a_B	Blue River from the confluence with French Gulch to South Barton Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	L
COUCBL02b	2b. Mainstem of the Blue River from a point one half mile below Summit County Road 3 to the confluence with the Swan River.				
Listed portion:	COUCBL02b_A	Mainstem of the Blue River from a point one half mile below Summit County Road 3 to the confluence with the Swan River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COUCBL02c	2c. Mainstem of the Blue River from the confluence with the Swan River to Dillon Reservoir.				
Listed portion:	COUCBL02c_A	Mainstem of the Blue River from above the confluence with the Swan River to Dillon Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H

COUCBL04a	4a. All direct tributaries to Dillon Reservoir and all tributaries and wetlands in the Blue River drainage above Dillon Reservoir, except for specific listings in Segments 1, 2a, 2b, 4b, 5, 6, and 10-14.				
Listed portion:	COUCBL04a_B	Gold Run Gulch below Jessie Mine			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COUCBL04a_C	Meadow Creek and its tributaries not in the wilderness			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COUCBL04a_D	Mainstem of Soda Creek from the source to Dillon Reservoir.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COUCBL06a	6a. Mainstem of the Snake River, including all tributaries and wetlands from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8 and 9.				
Listed portion:	COUCBL06a_B	Mainstem of the Snake River from the source to Dillon Reservoir, including Saint John Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COUCBL06a_C	All tributaries and wetlands of the Snake River from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8, 9, and Saint John Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M

COUCBL07	7. Mainstem of Peru Creek, including all tributaries and wetlands from the source to the confluence with the Snake River, except for specific listing in Segment 8.				
Listed portion:	COUCBL07_A	Mainstem of Peru Creek, including all tributaries and wetlands from the source to the confluence with the Snake River, except for specific listings in Segment 8.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Copper (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Manganese (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Lead (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	pH	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
COUCBL12	12. Mainstem of Illinois Gulch and Fredonia Gulch from their source to their confluence with the Blue River.				
Listed portion:	COUCBL12_B	Mainstem of Illinois Gulch from its source to their confluence with the Blue River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Cadmium (Dissolved)	4a. - TMDL	Retain	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	M
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Change from M&E to 303(d)	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
	Listed portion:	COUCBL12_C	Mainstem of Fredonia Gulch from its source to their confluence with the Blue River.		
Affected Use		Analyte	Category / List	Proposed Action	Priority
Aquatic Life Use		Copper (Dissolved)	3b. - M&E list	Retain	NA
Water Supply Use		Arsenic (Total)	3b. - M&E list	Retain	NA
Water Supply Use		Manganese (Dissolved)	3b. - M&E list	Retain	NA
Aquatic Life Use		Zinc (Dissolved)	5. - 303(d)	Retain	M
COUCBL13	13. Mainstem of Tenmile Creek from the Climax Parshall Flume to a point immediately above the confluence of West Tenmile Creek and all tributaries and wetlands from the source of Tenmile Creek to a point immediately above the confluence with West Tenmile Creek, except for the specific listing in Segment 15.				
Listed portion:	COUCBL13_A	Mainstem of Tenmile Creek from the Climax Parshall Flume (39.447556, -106.157003) to a point immediately above the confluence of West Tenmile Creek and all tributaries and wetlands from the source of Tenmile Creek to a point immediately above the confluence with West Tenmile Creek, except for the specific listing in Segment 15.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H

COUCBL17	17. Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.				
Listed portion:	COUCBL17_A	Blue River from outlet of Dillon Reservoir to Green Mountain Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCBL17_B	Blue River from Green Mountain Reservoir to confluence with Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COUCBL18	18. All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listing in Segment 16.				
Listed portion:	COUCBL18_B	Straight Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	4a. - TMDL	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COUCBL20	20. Mainstems of Elliot Creek and Spruce Creek including all tributaries and wetlands, from their sources to the confluence with the Blue River.				
Listed portion:	COUCBL20_B	Spruce Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COUCEA02	2. Mainstem of the Eagle River from the source to the compressor house bridge at Belden.				
Listed portion:	COUCEA02_B	Mainstem of the Eagle River from the source to Peterson Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COUCEA02_C	Eagle River Below Peterson Creek to compressor house bridge at Belden			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COUCEA03	3. All tributaries to the Eagle River, including wetlands, from the source to the compressor house bridge at Belden, except for the specific listing in Segment 4 and those waters included in Segment 1.				
Listed portion:	COUCEA03_A	All tributaries to the Eagle River, including wetlands, from the source to the compressor house bridge at Belden, except for the specific listing in Segment 4 and those waters included in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COUCEA05a	5a Mainstem of the Eagle River from the compressor house bridge at Belden to a point immediately above the Highway 24 Bridge near Tigiwon Road.				
Listed portion:	COUCEA05a_B	Mainstem of the Eagle River from the compressor house bridge at Belden to Bishop Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COUCEA05a_C	Mainstem of the Eagle River from Bishop Gulch to a point immediately above the Highway 24 Bridge near Tigiwon Road.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	303(d) / New	L
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COUCEA05b	5b. Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road to a point immediately above the confluence with Martin Creek.				
Listed portion:	COUCEA05b_A	Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691) to a point immediately above the confluence with Martin Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COUCEA05c	5c. Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.				
Listed portion:	COUCEA05c_A	Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Cadmium (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Zinc (Dissolved)	4a. - TMDL	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	H
COUCEA06	6. All tributaries to the Eagle River, including all wetlands, from the compressor house bridge at Belden to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.				
Listed portion:	COUCEA06_C	Lake Creek from below the confluence with East and West Lake Creek to the mouth			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COUCEA06_D	Beaver Creek from confluence with Wayne Creek to Mouth			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COUCEA06_E	Red Sandstone Creek from USFS Boundary to north side I-70 Frontage Road			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COUCEA06_F	Red Sandstone Creek from north side I-70 Frontage Road to confluence with Gore Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
Listed portion:	COUCEA06_G	Black Gore Creek, below Miller Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	H
Listed portion:	COUCEA06_H	Black Gore Creek adjacent to I-70 above Miller Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	COUCEA06_I	Rock Creek from the source to the confluence with the Eagle River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
	Aquatic Life Use	Cadmium (Dissolved)	5. - 303(d)	303(d) / New	H
Listed portion:	COUCEA06_J	All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8. With other exceptions to Black Gore and Rock Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COUCEA07a	7a. Mainstem of Cross Creek from the source to a point immediately below the Minturn Middle School, except for those waters included in Segment 1.				
Listed portion:	COUCEA07a_A	Mainstem of Cross Creek from the source to a point immediately below the Minturn Middle School, except for those waters included in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	M&E / New	NA
COUCEA07b	7b. Mainstem of Cross Creek from a point immediately below the Minturn Middle School to the confluence with the Eagle River, except for those waters included in Segment 1.				
Listed portion:	COUCEA07b_A	Mainstem of Cross Creek from a point immediately below the Minturn Middle School to the confluence with the Eagle River, except for those waters included in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
	Aquatic Life Use	Zinc (Dissolved)	1. - All attaining	TMDL is written for Analyte and is currently meeting standards	NA
COUCEA08	8. Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.				
Listed portion:	COUCEA08_A	Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COUCEA09a	9a. Mainstem of the Eagle River from Gore Creek to a point immediately below the confluence with Squaw Creek.				
Listed portion:	COUCEA09a_A	Eagle River from Gore Creek to confluence with Berry Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COUCEA09a_B	Eagle River from confluence with Berry Creek to confluence with Squaw Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COUCEA09b	9b. Mainstem of the Eagle River from a point immediately below the confluence with Squaw Creek to a point immediately below the confluence with Rube Creek.				
Listed portion:	COUCEA09b_B	Eagle River from Squaw Creek to Ute Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Listed portion:	COUCEA09b_C	Eagle River from Ute Creek to Rube Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Change from M&E to 303(d)	H
COUCEA09c	9c. Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.				
Listed portion:	COUCEA09c_A	Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Nitrite	5. - 303(d)	303(d) / New	H
COUCEA10a	10a. All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.				
Listed portion:	COUCEA10a_A	All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	M&E / New	NA
Listed portion:	COUCEA10a_B	Eby Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Sulfate	5. - 303(d)	303(d) / New	L
COUCEA12	12. Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks.				
Listed portion:	COUCEA12_A	Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	M&E / New	NA

COUCNP01	1. All tributaries to the North Platte and Encampment Rivers, including all wetlands, within the Mount Zirkel, Never Summer, and Platte River Wilderness Areas.				
Listed portion:	COUCNP01_B	South Fork Big Creek and tributaries from source to the wilderness boundary			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
COUCNP03	3. Mainstem of the North Platte River from the confluence of Grizzly Creek and Little Grizzly Creek to the Colorado/Wyoming border.				
Listed portion:	COUCNP03_A	Mainstem of the North Platte River from the confluence of Grizzly Creek and Little Grizzly Creek to the Colorado/Wyoming border.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
COUCNP04a	4a. All tributaries to the North Platte River system, including all wetlands, except for those tributaries included in Segment 1, and specific listings in Segments 4b, 6, 7a and 7b.				
Listed portion:	COUCNP04a_A	Tributaries to the North Platte River system and wetlands, except for the Canadian River, Grizzly Creek, Little Grizzly Creek, Lake Creek, the Illinois River, South Fork of Big Creek, Snyder Creek, North Sand Creek and their tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
Listed portion:	COUCNP04a_B	Canadian River and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
Listed portion:	COUCNP04a_C	Grizzly Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Listed portion:	COUCNP04a_D	Little Grizzly Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Listed portion:	COUCNP04a_E	Lake Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

Listed portion:	COUCNP04a_F	Illinois River and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Iron (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COUCNP04a_G	South Fork Big Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
Listed portion:	COUCNP04a_H	Snyder Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Retain	H
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
Listed portion:	COUCNP04a_I	North Sand Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	H
COUCNP04b	4b. Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River except for specific listings in Segments 7a and 7b. Mainstem of the Canadian River below 12E Road to the confluence with the North Platte River. All tributaries which enter the mainstem of the Canadian River from the southwest side of the mainstem.				
Listed portion:	COUCNP04b_B	Mainstem of the Illinois River, including all tributaries and wetlands, from a point immediately below the confluence with Indian Creek to the confluence with the Michigan River, except for specific listings in Segment 7a and 7b.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	303(d) / New	H
COUCNP05a	5a. Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.				
Listed portion:	COUCNP05a_A	Mainstem of the Michigan River from the source to a point immediately below the confluence with the North Fork Michigan River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

COUCNP05b	5b. Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.				
Listed portion:	COUCNP05b_A	Mainstem of the Michigan River from a point immediately below the confluence with the North Fork Michigan River to the confluence with the North Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Iron (Dissolved)	5. - 303(d)	Change from M&E to 303(d)	L
COUCNP06	6. Mainstem of Pinkham Creek from the Routt National Forest boundary to the confluence with the North Platte River.				
Listed portion:	COUCNP06_A	Mainstem of Pinkham Creek from the Routt National Forest boundary to the confluence with the North Platte River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
COUCNP07b	7b. Mainstem of Spring Creek from the outlet of Spring Creek (Number 31) Reservoir to the confluence with the Illinois River.				
Listed portion:	COUCNP07b_A	Mainstem of Spring Creek from the outlet of Spring Creek (Number 31) Reservoir to the confluence with the Illinois River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	5. - 303(d)	Retain	M
	Aquatic Life Use	pH	5. - 303(d)	303(d) / New	M
COUCNP09	9. All lakes and reservoirs tributary to the North Platte and Encampment Rivers except for specific listings in Segment 8.				
Listed portion:	COUCNP09_B	Big Creek Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
Listed portion:	COUCNP09_C	North Delaney Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
Listed portion:	COUCNP09_D	Lake John			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	pH	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H

Listed portion:	COUCNP09_E	South Delaney Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
COUCRF02	2. Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.				
Listed portion:	COUCRF02_A	Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
COUCRF03a	3a. Mainstem of the Roaring Fork River, from a point immediately below the confluence with Hunter Creek, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b.				
Listed portion:	COUCRF03a_B	Roaring Fork from confluence with Hunter Creek to the confluence of Trentaz Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCRF03a_C	West Sopris Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCRF03a_D	Capitol Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCRF03a_E	Cattle Creek from Fisher Creek to Mouth			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCRF03a_F	Mainstem of the Roaring Fork River, from a point immediately below the confluence with Trentaz Gulch, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1, 3b, 3d, 4-10b, West Sopris, Capital, Roaring Fork, Cattle Creek, and Three Mile Creek Portions.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

Listed portion:	COUCRF03a_G	Three Mile Creek, including all tributaries, from the source to the Roaring Fork River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Change from 303(d) to M&E	NA
COUCRF03b	3b. Mainstem of Red Canyon and all tributaries and wetlands from the source to the confluence with the Roaring Fork River, except for Landis Creek from its source to the Hopkins Ditch Diversion.				
Listed portion:	COUCRF03b_B	Landis Creek from the Hopkins Ditch (39.522138, -107.223479) to its confluence with Red Canyon			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	Retain	NA
COUCRF03c	3c. Mainstem of the Roaring Fork River from a point immediately below the confluence with the Fryingpan River to the confluence with the Colorado River.				
Listed portion:	COUCRF03c_B	Roaring Fork below the confluence with the Crystal River to the mouth			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
Listed portion:	COUCRF03c_C	Roaring Fork River from the Fryingpan River to the Crystal River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COUCRF03d	3d. Mainstem of Cattle Creek, including all tributaries and wetlands, from the source to the most downstream White River National Forest boundary.				
Listed portion:	COUCRF03d_B	Cattle Creek from Bowers Gulch to most downstream White River NF boundary			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	L
COUCRF07	7. All tributaries to the Fryingpan River, including all wetlands, except for those tributaries included in Segment 1.				
Listed portion:	COUCRF07_B	South Fork Frying Pan River from transbasin diversion to confluence with unnamed tributary (39.251280N, -106.594420W)			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	5. - 303(d)	Retain	H
COUCRF12	12. All lakes and reservoirs tributary to the Roaring Fork River except for specific listings in Segment 11.				
Listed portion:	COUCRF12_C	Ruedi Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L

COUCUC01	1. Mainstem of the Colorado River, including all tributaries and wetlands, within Rocky Mountain National Park, or which flow into Rocky Mountain National Park.				
Listed portion:	COUCUC01_A	Mainstem of the Colorado River, including all tributaries and wetlands, within or flowing into Rocky Mountain National Park.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H
COUCUC02	2. Mainstem of the Colorado River, including all tributaries and wetlands within, or flowing into Arapahoe National Recreation Area.				
Listed portion:	COUCUC02_C	Colorado River from Shadow Mountain Reservoir to Granby Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COUCUC02_D	Mainstem of Colorado River from the North Inlet to Grand Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COUCUC02_E	Mainstem of East Inlet			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
Listed portion:	COUCUC02_G	Arapaho Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Silver (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COUCUC02_H	Stillwater Creek and Willow Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
COUCUC03	3. Mainstem of the Colorado River from the outlet of Lake Granby to the confluence with Roaring Fork River.				
Listed portion:	COUCUC03_A	Colorado River from outlet of Lake Granby to Windy Gap Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA

Listed portion:	COUCUC03_B	Colorado River from Windy Gap Reservoir to 578 Road Bridge			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
Listed portion:	COUCUC03_C	Colorado River from 578 Road Bridge to Gore Canyon			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COUCUC03_D	Colorado River from Gore Canyon to Derby Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
Listed portion:	COUCUC03_E	Colorado River from Derby Creek to below the confluence with the Roaring Fork River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COUCUC04	4. All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to the confluence with the Roaring Fork River, which are on National Forest lands, except for those tributaries included in Segments 1 and 2, and specific listings in Segments 8, 9 and 10a.				
Listed portion:	COUCUC04_B	Red Dirt Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COUCUC05	5. Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence with the Colorado River.				
Listed portion:	COUCUC05_B	Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence of with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COUCUC06b	6b. Mainstem of un-named tributary from the headwaters (Sec 32, T3N, R76W) to Willow Creek Reservoir Road (Section 8, T2N, R76W).				
Listed portion:	COUCUC06b_A	Mainstem of un-named tributary from the headwaters (Sec 32, T3N, R76W) to Willow Creek Reservoir Road (Section 8, T2N, R76W).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA
	Aquatic Life Use	Nitrite	5. - 303(d)	303(d) / New	M

Listed portion:	COUCUC06b_B Mainstem of un-named tributary to Willow Creek from the Willow Creek Reservoir Road to the confluence with Willow Creek (40.131422, -105.920895).				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Ammonia	4a. - TMDL	Retain	NA
COUCUC07a	7a. All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, which are not on National Forest lands, except for specific listings in Segment 7b, 7c and in the Blue River, Eagle River, and Roaring Fork River basins.				
Listed portion:	COUCUC07a_B Alkali Slough and its tributaries				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Sulfate	5. - 303(d)	Retain	L
Listed portion:	COUCUC07a_C Mainstem of Muddy Creek				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
COUCUC07b	7b. All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River. Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek, Pinery River, and Blacktail Creek, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest lands.				
Listed portion:	COUCUC07b_A Mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek and Piney River, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, which are not on National Forest Lands.				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCUC07b_D All tributaries to Muddy Creek, including all wetlands, from the inlet of Wolford Mountain Reservoir to the confluence with the Colorado River				
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Sulfate	3b. - M&E list	M&E / New	NA
	Water Supply Use	Manganese (Dissolved)	3b. - M&E list	M&E / New	NA
	Water Supply Use	Iron (Dissolved)	3b. - M&E list	M&E / New	NA

COUCUC07c	7c. Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch as well as all tributaries to and wetlands of Muddy Creek from the source to the outlet of Wolford Mountain Reservoir, except for listings in Segment 4. The mainstems of Derby, Blacktail, Cabin, and Red Dirt Creeks (all below Wolford Mountain Reservoir), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except for listings in Segment 4.				
Listed portion:	COUCUC07c_B	Diamond Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COUCUC07d	7d. Mainstem of Muddy Creek from the outlet of Wolford Mountain Reservoir to above the Highway 40 Bridge in Kremmling (40.060574, -106.398739).				
Listed portion:	COUCUC07d_A	Mainstem of Muddy Creek from the outlet of Wolford Mountain Reservoir to Cow Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COUCUC07d_B	Mainstem of Muddy Creek from Cow Gulch to the Highway 40 Bridge in Kremmling (40.060574, -106.398739).			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Water Supply Use	Manganese (Dissolved)	5. - 303(d)	Retain	L
COUCUC07e	7e. Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.				
Listed portion:	COUCUC07e_A	Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
COUCUC08	8. Mainstem of the Williams Fork River, including all tributaries and wetlands from the source to the confluence with the Colorado River, except for those tributaries listed in Segment 9.				
Listed portion:	COUCUC08_B	Mainstem of Williams Fork River below Kinney Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCUC08_C	Ute Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	303(d) / New	H

COUCUC09	9. All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers, Vasquez, Eagles Nest and Flat Tops Wilderness Areas.				
Listed portion:	COUCUC09_B	Roaring Fork Arapahoe Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
COUCUC10a	10a. Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge. All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segment 9.				
Listed portion:	COUCUC10a_B	Ranch Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	L
Listed portion:	COUCUC10a_C	Fraser River tributaries at and above Jim Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
Listed portion:	COUCUC10a_D	Vasquez Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	Retain	L
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	Retain	H
Listed portion:	COUCUC10a_E	Mainstem of Fraser River from source to Leland Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	5. - 303(d)	303(d) / New	H
COUCUC10c	10c. Mainstem of the Fraser River from a point immediately below the Hammond Ditch to the confluence with the Colorado River.				
Listed portion:	COUCUC10c_A	Mainstem of the Fraser River from below the Hammond No 1 Ditch (39.933728, -105.789785) to the confluence with the Colorado River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	pH	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
Listed portion:	COUCUC10c_B	Fraser River from Fraser Canyon near Tabernash to the Town of Granby			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COUCUC10c_C	From the Town of Granby to confluence with the Colorado River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	303(d) / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

COUCUC12 12. Lakes and reservoirs within Arapahoe National Recreation Area, including Grand Lake, Shadow Mountain Lake and Lake Granby.

Listed portion:	COUCUC12_B	Shadow Mountain Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Dissolved Oxygen	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

Listed portion:	COUCUC12_C	Lake Granby			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

Listed portion:	COUCUC12_D	Willow Creek Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	Standards Change	L
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	Standards Change	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Change from M&E to 303(d)	H

COUCUC13 13. All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately below the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12 and the Blue and Eagle River subbasins.

Listed portion:	COUCUC13_C	Wolford Mountain Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H

Listed portion:	COUCUC13_D	Williams Fork Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA

COUCYA02a 2a. Mainstem of the Yampa River from the confluence with Wheeler Creek to a point immediately above the confluence with Oak Creek.

Listed portion:	COUCYA02a_A	Yampa River above Stagecoach Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L

Listed portion:	COUCYA02a_B	Yampa River from Stagecoach Reservoir to above confluence with Oak Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	M&E / New	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	L
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COUCYA02b	2b. Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.				
Listed portion:	COUCYA02b_A	Mainstem of the Yampa River from a point immediately above the confluence with Oak Creek to a point immediately below the confluence with Elkhead Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	5. - 303(d)	Retain	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	L
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COUCYA03	3. All tributaries to the Yampa River, including all wetlands, from the source to the confluence with Elk River, except for specific listings in Segments 4-8, 13a-f and 19. Mainstem of the Bear River, including all tributaries and wetlands from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River.				
Listed portion:	COUCYA03_A	Tributaries to Yampa River except, except for specific listings in Segments 4-8, 13a-f and 19. Mainstem of the Bear River, including all tributaries and wetlands from the boundary of the Flat Tops Wilderness Area to the confluence with the Yampa River. Also excludes Bushy Creek, Mainstem of Walton Creek, Little Morrison Creek, and Gunn Creek.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
Listed portion:	COUCYA03_B	Bushy Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Retain	L
Listed portion:	COUCYA03_D	Little Morrison Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	1. - All attaining	303(d) / Remove	NA
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
Listed portion:	COUCYA03_E	Gunn Creek			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	5. - 303(d)	Retain	L
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H
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COUCYA04	4. Mainstem of Little White Snake Creek from the source to the confluence with the Yampa River.				
Listed portion:	COUCYA04_A	Mainstem of Little White Snake Creek from the source to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Manganese (Dissolved)	1. - All attaining	M&E / Remove	NA
	Aquatic Life Use	Dissolved Oxygen	3b. - M&E list	Retain	NA

COUCYA08	8. Mainstem of the Elk River including, all tributaries and wetlands, from the source to the confluence with the Yampa River, except for those tributaries included in Segments 1, 20a and 20b.				
Listed portion:	COUCYA08_B	Mainstem of the Elk River, including all tributaries and wetlands, below Morin Ditch to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Recreational Use	E. coli	5. - 303(d)	Retain	H
Listed portion:	COUCYA08_C	Lost Dog Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Zinc (Dissolved)	3b. - M&E list	Retain	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
	Water Supply Use	Mercury (Dissolved)	3b. - M&E list	Retain	NA
COUCYA12	12. All tributaries to the Yampa River, including all wetlands, from the confluence with the Elk River to the confluence with Elkhead Creek, which are not on National Forest lands, except for specific listings in Segments 11 and 13a-fj.				
Listed portion:	COUCYA12_B	Wolf Creek and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Macroinvertebrates (Provisional)	1. - All attaining	303(d) / Remove	NA
COUCYA13b	13b. Mainstem of Foidel Creek, including all tributaries and wetlands. Mainstem Fish Creek, including all tributaries from County Road 27 downstream to the confluence with Trout Creek, except for specific listings in Segment 13g. Middle Creek and all tributaries, from County Road 27 downstream to the confluence with Trout Creek.				
Listed portion:	COUCYA13b_B	Fish Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	1. - All attaining	M&E / Remove	NA
	Recreational Use	E. coli	3b. - M&E list	Retain	NA
Listed portion:	COUCYA13b_C	Foidel Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Change from M&E to 303(d)	H
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	H
Listed portion:	COUCYA13b_D	Middle Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Sediment	5. - 303(d)	Change from M&E to 303(d)	H
COUCYA13d	13d. Mainstem of Dry Creek, including all tributaries and wetlands, from the source to just above the confluence with Temple Gulch.				
Listed portion:	COUCYA13d_A	Mainstem of Dry Creek, including all tributaries and wetlands, from source to above the confluence with Temple Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L

Listed portion:	COUCYA13d_B	Dry Creek from Seneca sample location 8 (WSD5) to above Temple Gulch			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	5. - 303(d)	Retain	L
COUCYA13e	13e. Mainstem of Sage Creek, including all tributaries and wetlands, from its sources to the confluence with the Yampa River.				
Listed portion:	COUCYA13e_A	Mainstem of Sage Creek, including all tributaries and wetlands, from the source to above Routt County Road 51D, Grassy Creek and tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Temperature	3b. - M&E list	Retain	NA
	Aquatic Life Use	Macroinvertebrates	5. - 303(d)	303(d) / New	M
Listed portion:	COUCYA13e_B	Sage Creek and tributaries below Routt County Road 51D to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	L
COUCYA13h	13h. Mainstem of Dry Creek, including all tributaries and wetlands, from the confluence with Temple Gulch to the confluence with the Yampa River near Hayden.				
Listed portion:	COUCYA13h_A	Mainstem of Dry Creek, (near Hayden), including all tributaries and wetlands, from Routt County Road 53 to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	5. - 303(d)	Retain	M
COUCYA13i	13i. Mainstem of Grassy Creek, including all tributaries and wetlands, from the source to immediately above the confluence with Scotchmans Gulch.				
Listed portion:	COUCYA13i_A	Mainstem of Grassy Creek, including all tributaries and wetlands, from the source to immediately above the confluence with Scotchmans Gulch.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
COUCYA13j	13j. Mainstem of Grassy Creek, including all tributaries and wetlands, from the confluence with Scotchmans Gulch to the confluence with the Yampa River near Hayden.				
Listed portion:	COUCYA13j_A	Mainstem of Grassy Creek, (near Hayden), including all tributaries and wetlands, from above the confluence with Scotchmans Gulch to the confluence with the Yampa River.			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Selenium (Dissolved)	3b. - M&E list	Retain	NA
COUCYA15	15. Mainstem of Elkhead Creek, including all tributaries and wetlands, from a point immediately below the confluence with Calf Creek to the confluence with the Yampa River. Dry Fork of Elkhead Creek, including all tributaries and wetlands, from a point immediately below 80A Road to the confluence with the Yampa River.				
Listed portion:	COUCYA15_B	Mainstem of Elkhead Creek from Calf Creek to Yampa River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	5. - 303(d)	Retain	H

COUCYA18	18. Mainstem of the Little Snake River, including all tributaries and wetlands, from the Routt National Forest boundary to the Colorado/Wyoming border.				
Listed portion:	COUCYA18_A	Little Snake River including all tributaries and wetlands from forest boundary to Wyoming border, except for the South Fork of the Little Snake River			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	1. - All attaining	M&E / Remove	NA
Listed portion:	COUCYA18_B	South Fork of Little Snake River and its tributaries			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Iron (Dissolved)	1. - All attaining	M&E / Remove	NA
	Water Supply Use	Arsenic (Total)	3b. - M&E list	Retain	NA
COUCYA22	22. All lakes and reservoirs tributary to the Yampa River from the source to the confluence with Elkhead Creek, except for those listed in Segment 21. All lakes and reservoirs tributary to Elkhead Creek from the source to the confluence with the Yampa River, except for specific listings in Segment 23. All lakes and reservoirs tributary to the Little Snake River, including those on National Forest lands.				
Listed portion:	COUCYA22_B	Catamount Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H
Listed portion:	COUCYA22_D	Pearl Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Copper (Dissolved)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COUCYA22_E	Steamboat Lake			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Temperature	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
Listed portion:	COUCYA22_F	Stagecoach Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Aquatic Life Use	Lead (Dissolved)	5. - 303(d)	303(d) / New	H
	Water Supply Use	Arsenic (Total)	5. - 303(d)	303(d) / New	H
COUCYA23	23. Elkhead Reservoir				
Listed portion:	COUCYA23_A	Elkhead Reservoir			
	Affected Use	Analyte	Category / List	Proposed Action	Priority
	Water Supply Use	Arsenic (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Iron (Total)	3b. - M&E list	M&E / New	NA
	Aquatic Life Use	Fish (Mercury)	5. - 303(d)	Retain	H

EXHIBIT 1
Water Quality Control Division

93.4 Impaired Water Bodies ~~Not Requiring TMDLs~~with Approved TMDLs and 4b Plans

~~Segments may be determined to be impaired if available data and/or information indicate that at least one classified use is not being supported, but a TMDL is not needed. These waters are broken out into three additional subcategories. W~~Impaired waters bodies identified below in these lists are not yet attaining water quality standards. as w~~Water quality improvement continues throughis expected to occur through implementation of either a TMDL or 4b plan.do not require a TMDL for one of the following reasons:~~

- ~~• Segments where a TMDL has been completed and approved but uses are not yet attained;~~
- ~~• Segments where other required control mechanisms are expected to address waterbody/pollutant combinations and will attain water quality standards in a reasonable period of time. (Category 4b Segment/Parameters)~~
- ~~• Segments where the impairment is not caused by a pollutant. (Category 4c Segment/Parameters)~~

93.4 Impaired Water Bodies Not Requiring TMDLs with Approved TMDLs or 4b Plans					
WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COARMA04a	Mainstem of Wildhorse Creek from source to confluence with the Arkansas river	E. coli			10/24/2018
COARMA18a	Mainstem of Boggs Creek from the source to Pueblo Reservoir.	Se, U		-	3/18/2016
COARUA01a	(McNasser Gulch, South Fork of Lake Creek, and Sayres Gulch) within Mount Massive and Collegiate Peaks Wilderness areas.	Al, Cd, Cu, Zn, pH		-	6/14/2009
COARUA01a	(Graham Gulch, Mountain Boy Gulch, and North Fork of Lake Creek) within Mount Massive and Collegiate Peaks Wilderness areas.	Cu		-	11/30/2010
COARUA01b	E. Fork Arkansas River above Birdseye Gulch	Pb, Zn		-	2/17/2004
COARUA02a	Arkansas River, Birdseye Gulch to California Gulch	Zn		-	6/14/2009
COARUA02b	Arkansas River above Lake Fork	Cd, Zn		-	6/14/2009
COARUA02c	Arkansas River, Lake Fork to Lake Creek	Cd, Zn		-	6/14/2009

EXHIBIT 1
Water Quality Control Division

93.4 Impaired Water Bodies ~~Not Requiring TMDLs~~ with Approved TMDLs or 4b Plans

WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COARUA03	Arkansas River, Lake Creek to the Chaffee/Fremont County line.	Cd, Zn		-	6/14/2009
COARUA04a	Mainstem of the Arkansas River from the Chaffee/Fremont County Line to a point immediately above Highway 115 bridge, due east of Florence.	Cd, Zn		-	6/14/2009
COARUA04b	Mainstem of the Arkansas River from a point immediately above Highway 115 bridge, due east of Florence, to the inlet of Pueblo Reservoir.	Cd, Zn		-	6/14/2009
COARUA05	Halfmoon Creek	Cd, Pb		-	6/14/2009
COARUA07	Evans Gulch	Zn		-	6/14/2009
COARUA08b	Iowa Gulch	Cd, Pb, Zn		-	10/26/2012
COARUA10	Lake Creek	Cu		-	11/30/2010
COARUA11	Mainstem of South Fork of Lake Creek, including all tributaries and wetlands, from the source to the confluence with Lake Creek.	Al, Cd, Cu, Zn, pH		-	6/14/2009
COARUA12a	Chalk Creek	Pb, Zn		-	6/14/2009
COGULG01	Gunnison River below N. Fork	Se		-	2/14/2011
COGULG02	Gunnison River	Se		-	2/14/2011
COGULG04a	Gunnison River tributaries	Se		-	2/14/2011
COGULG04b	Mainstem of Kannah Creek. All tributaries to Reeder, Hollenbeck and Juniata Reservoirs	Se		-	2/14/2011
COGULG04c	Red Rock Creek	Se		-	2/14/2011
COGULG09	Fruitgrowers Reservoir	DO		-	2/14/2013
COGUNF03	Lower N. Fork Gunnison River	Se		-	2/14/2011
COGUNF05a	Leroux Creek, Jay Creek	Se		-	2/14/2011
COGUNF06b	Short Draw, Cottonwood Creek	Se		-	2/14/2011
COGUSM03a	San Miguel River below Idarado	Zn		-	9/17/2008

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COGUSM03a	San Miguel River below Idarado	Cd		-	8/3/2010
COGUSM03b	San Miguel River, Marshall Creek to South Fork San Miguel River	Cd, Zn		-	9/17/2008
COGUSM03b	San Miguel River below Idarado	sediment		-	8/3/2010
COGUSM06a	Ingram Creek	Zn		-	9/17/2008
COGUSM06a	Ingram Creek	Cd		-	8/3/2010
COGUSM06b	Marshall Creek	Zn		-	9/17/2008
COGUSM06b	Marshall Creek	Cd		-	8/3/2010
COGUUG30	Henson Creek	Cd, Zn		-	7/29/2010
COGUUG31	Palmetto Gulch	Cd, Zn		-	6/15/2010
COGUUN02	Uncompahgre River, source to Red Mountain Creek	Cd, Cu, Zn		-	1/5/2010
COGUUN03a, b, c, d, e	Uncompahgre River, Red Mountain Creek to Montrose	Cd, Cu, Fe (trec)		-	1/5/2010
COGUUN04b, c	Uncompahgre River, Delta to Colorado River	Se		-	2/14/2011
COGUUN06a	Red Mountain Creek, source to East Fork Red Mountain Creek	Zn(sc)		-	1/5/2010
COGUUN12	Uncompahgre River tributaries	Se		-	2/14/2011
CORGAL03a	Alamosa River, Alum Creek to Wightman Fork	Al, Cu, Zn pH		-	9/21/2007
CORGAL03b	Alamosa River, Wightman Fork to Fern Creek	Al, Cu, Zn, pH		-	9/21/2007
CORGAL03c	Alamosa River, Fern Creek to Ranger Creek	Al, Cu, Zn, pH		-	9/21/2007
CORGAL03d	Alamosa River, Ranger Creek to Terrace Reservoir	Cu, Zn, pH		-	9/21/2007
CORGAL05	Wightman Fork above Summitville	pH		-	9/21/2007
CORGAL08	Terrace Reservoir	Cu		-	9/21/2007
CORGAL08	Terrace Reservoir	Fe(Trec)		-	2/14/2013
CORGAL09	Alamosa River, Terrace Reservoir to Hwy 15	Cu		-	9/21/2007

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93.4 Impaired Water Bodies ~~Not Requiring TMDLs~~ with Approved TMDLs or 4b Plans

WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
CORGCB08	Mainstem of Brewery Creek from source to Kerber Creek, and the mainstem of Elkhorn Gulch. Mainstem of Kerber Creek, including all tributaries and wetlands from the source to a point immediately above the Cocomongo Mill site. Mainstem of Squirrel Creek from the source to immediately above Bear Creek.	Ag, Cd, Pb		-	9/17/2008
CORGCB09a	Kerber Creek above Brewery Creek	Ag, Cd, Pb		-	9/17/2008
CORGCB09b	Kerber Creek, Brewery Creek to San Luis Creek	Cd, Cu, Zn		-	9/17/2008
CORGRG04a, b	Rio Grande River below Willow Creek	Cd, Zn		-	9/23/2008
CORGRG37	Sanchez Reservoir	Hg		-	9/29/2008
COSJAF02	Animas River & tributaries, Denver Lake to Maggie Gulch	Al, Cd, Cu, Fe, Pb		-	12/6/2002
COSJAF03b	Animas River, Cement Creek to Mineral Creek	Al, Cd, Cu, Fe, Pb		-	12/6/2002
COSJAF04a	Animas River, Mineral Creek to Elk Creek	pH, Cu, Fe, Zn		-	12/6/2002
COSJAF04b	Animas River, Elk Creek to Junction Creek	Zn		-	12/6/2002
COSJAF05a	Mainstem of the Animas River, including wetlands, from Bakers Bridge to Dry Gulch.	Zn		-	12/6/2002
COSJAF06	Middle Fork of Mineral Creek, Mill Creek, Porohyry Gulch, and Big Horn Gulch	Al, Cd, Cu, Pb, Fe		-	12/6/2002
COSJAF07	Cement Creek, source to Animas River	Al, Cd, Cu, Pb, Fe		-	12/6/2002
COSJAF08	Mineral Creek, source to South Mineral Creek	Al, Cd, Cu, Pb, Fe		-	12/6/2002
COSJAF09	Mineral Creek, South Mineral Creek to Animas River	pH, Cu, Fe, Zn		-	12/6/2002
COSJDO04b	McPhee Reservoir	Hg (Phase 1)		-	2/14/2004

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COSJDO09	Silver Creek from Rico's diversion to Dolores River	Zn, Cd		-	8/22/2008
COSJLP04a	Box Canyon Creek	sediment		-	8/30/2000
COSJLP04a	East Fork Mancos River	Cu, Mn		-	7/27/2012
COSJLP11	Narraquinnep Reservoir	Hg (Phase 1)		-	2/14/2004
COSPBD01	Mainstem of Big Dry Creek, including all tributaries and wetlands, from the source to the confluence with the South Platte River	E.coli		-	9/28/2016
COSPBO02b	Boulder Creek	E. coli		-	9/27/2011
COSPBO04a	Gamble Gulch	Cu, Zn, pH		-	6/30/2009
COSPBO04a	Gamble Gulch	Cd, Zn		-	8/12/2010
COSPBO09	Boulder Creek, South Boulder Creek to Coal Creek	NH ₃		-	7/14/2003
COSPBO10	Boulder Creek, Coal Creek to St. Vrain Creek	NH ₃		-	7/14/2003
COSPCL02a, b, c	Clear Creek, Silver Plume to Argo Tunnel	Cu, Pb, Zn		-	9/18/2008
COSPCL03a	Lower Cabin Creek Reservoir to Clear Creek		Aquatic Life	-	1/11/2016
COSPCL03a	South Clear Creek downstream of Lower Cabin Creek Reservoir to Clear Lake	Zn		-	9/18/2008
COSPCL03b	Leavenworth Creek	Pb, Zn		-	9/18/2008
COSPCL09a	Fall River	Cu		-	9/18/2008
COSPCL09b	Trail Creek	Cd, Cu, Pb, Zn		-	9/18/2008
COSPCL11	Clear Creek, Argo Tunnel to Farmers Highline Canal	Cd, Pb, Zn		-	9/18/2008
COSPCL13b	North Fork Clear Creek	Cd, Fe, Mn, Zn		-	9/18/2008
COSPCP07	North Fork Cache la Poudre River, Hall Reservoir to Cache la Poudre River	sediment		-	7/25/2002
COSPMS01a	South Platte River from Big Dry Creek to St. Vrain Creek		Ammonia & Nitrate	-	8/20/2009
COSPMS04	Barr Lake, Milton Reservoir	DO, pH		-	6/27/2013

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93.4 Impaired Water Bodies ~~Not Requiring TMDLs~~ with Approved TMDLs or 4b Plans

WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COSPSV03	St. Vrain Creek, Hygiene Road to South Platte River	NH ₃		-	7/14/2003
COSPSV04a	Left Hand Creek Hyw 72 to James Ck	Cd, Cu, Zn, pH		-	9//1/2015
COSPSV04b	Little James Creek	Cd, Fe, Mn, Zn, pH		-	7/17/2002
COSPSV04b	James Creek	Cd, Cu, Pb, Zn		-	9//1/2015
COSPSV04b	Little James Creek	Cd, Cu, Pb, Zn, pH		-	9//1/2015
COSPSV04c	Left Hand Creek below James Creek	Cu		-	9//1/2015
COSPUS01a	South Platte River, source to North Fork South Platte River	sediment		-	7/22/2002
COSPUS02b	Mosquito Creek	Cd, Pb, Zn		-	8/11/2000
COSPUS02c	South Mosquito Creek	Cd, Fe, Mn, Zn		-	8/11/2000
COSPUS04	Hall Valley to Geneva Creek	Cu		-	9/17/2008
COSPUS05a	Geneva Creek, source to Scott Gomer Ck	Cd, Cu, Mn, Zn		-	9/20/2010
COSPUS05b	Geneva Creek, source to Scott Gomer Ck	Cd, Cu, Mn, Zn		-	9/20/2010
COSPUS05b	Geneva Creek, Scott Gomer Creek to N. Fork S. Platte River	Cu, <u>Zn</u>		-	8/22/2008
COSPUS14	South Platte River, Bowles Avenue to Burlington Ditch	NO ₃		-	6/4/2004
COSPUS14	S. Platte River, Bowles Ave. to Burlington Ditch	<i>E. coli</i>		-	10/30/2007
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek		Ammonia & Nitrate	-	8/20/2009
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	E. coli		-	2/16/2016
COSPUS15	South Platte River, Burlington Ditch to Big Dry Creek	Cd		-	9/8/2006
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	DO		-	7/30/2000
COSPUS15	South Platte, Burlington Ditch to Big Dry Creek	Cd		-	7/19/2011

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WBID	Segment Description	Approved TMDL Parameters	Category 4b Parameter(s)	Category 4c Parameter(s)	Approval Date
COUCBL06a	Snake River, source to Dillon Reservoir	Cd, Cu, Pb, Zn, pH		-	9/23/2008
COUCBL07	Peru Creek	Cd, Cu, Pb, Zn, pH, Mn		-	9/23/2008
COUCBL12	Illinois Gulch	Zn		-	2/1/2010
COUCBL12	Illinois Gulch	Cd		-	6/13/2011
COUCBL18	Straight Creek	sediment		-	8/11/2000
COUCEA05a, b, c	Eagle River, Belden to Gore Creek	Cu, Zn		-	8/31/2009
COUCEA07b	Cross Creek, source to Eagle River	Cu, Zn		-	8/31/2009
COUCUC06c	Un-named tributary to Willow Creek	NH ₃		-	7/30/2000

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**93.17 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE;
DECEMBER 2019 RULEMAKING, EFFECTIVE DATE OF XXXX, XX, 2020.**

The provisions of C.R.S. 25-8-202(1)(a), (b) and (i), (2) and (6); 25-8-203; 25-8-204; and 25-8-401; provide the specific statutory authority for adoption of these regulatory amendments. The commission also adopted in compliance with 24-4-103(4) C.R.S. the following statement of basis and purpose.

BASIS AND PURPOSE

A. Revisions to 303(d) List

1. Introduction

This regulation updates Colorado's List of Water-Quality-Limited Segments Requiring Total Maximum Daily Loads (TMDLs) to reflect additional water quality information available since the regulation was promulgated in 2006. This list was prepared to fulfill section 303(d) of the federal Clean Water Act (Act) which requires that states submit to the U.S. Environmental Protection Agency (EPA) a list of those waters for which technology-based effluent limitations and other required controls are not stringent enough to implement water quality standards.

This regulation also updates Colorado's Monitoring and Evaluation List (M&E List) to reflect additional water quality information available since the regulation was promulgated in 2012.

2. List Development

a. Listing Methodology

The "Section 303(d) Listing Methodology - 2020 Listing Cycle" contains a description of the listing process, the criteria for listing, and the criteria for determination of TMDL priority. The Listing Methodology was developed through a public process and finalized as a policy at a Water Quality Control Commission (commission) administrative action hearing in March 2019.

This Listing Methodology sets forth the criteria that generally were used to make decisions regarding which waters to include on the 2020 Section 303(d) List and the 2020 M&E List. However, this methodology was not adopted by the commission as a rule. The commission, therefore, has the flexibility to take into account other appropriate factors in making site-specific listing decisions.

b. Information Considered

The commission has considered all existing and readily available information in developing the 2020 Section 303(d) List. In determining whether data and information are existing and readily available, it has taken into account such data and information as the division has utilized in the preparation of those identification processes, calculations and models referenced in 40 CFR §130.7(b)(5)(i), (ii) and (iv) and that credible data and information presented in

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a readily usable format and submitted in reports provided to the Water Quality Control Division (division) as referenced in 40 CFR §130.7(ab)(5)(iii). In addition, the commission accepted credible data and information that was submitted in accordance with the listing process schedule, whether submitted by EPA or any other interested party. The division also continues to independently collect and analyze new data on a rotating basin basis as part of its triennial review efforts and will utilize such data and information in making future listing determinations. Existing data which was not brought forward through one of the above mechanisms or otherwise presented to the commission in accordance with the schedule was not treated as "readily available" for purposes of making the 2020 listing decisions. Such information will be considered in the next listing cycle.

c. Data Quality

In the division's "Quality Management Plan 2016 for Surface Water Monitoring and Assessment", the division states that "It is the expressed goal of the division to use only those analytical data that are both reliable and have a defined level of quality."

3. Prioritization

The objective of prioritization is to identify those segments where the division and the public should concentrate their resources. Priorities of High, Medium, and Low were established according to section IV. of the 2020 Section 303(d) Listing Methodology.

The division remains committed to establishing a plan for monitoring and evaluating water bodies on the M&E List prior to the list submission date for the subsequent listing cycle. Further, the commission has committed to determining their appropriate status (as either impaired or fully supporting) within ten years of their placement on the M&E List.

4. Regulation #93 Introductory Language Regarding Pollution and Pollutants

During the 2018 303(d) listing cycle, the division identified inconsistent language between Regulation #93 and the 2018 Listing Methodology. The introduction in Regulation #93.2(2) states:

"Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List."

The 2018 303(d) Listing Methodology section II.f stated:

"Before placing impaired waterbody segments into Category 4c, thorough monitoring and assessment needs to be performed on the segment to confirm that no pollutants are contributing to the waterbody's failure to meet water quality standards. If adequate monitoring and assessment is not performed to rule out pollutant(s) as a cause, then the impaired waterbody should be placed on the 303(d) List (Category 5)".

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In the 2018 rulemaking hearing for Regulation #93, the commission's approach to a temperature listing was to defer to the regulation language even though it was in conflict with the language in the listing methodology. Based on this approach, the commission moved the existing Lower Dolores segment 02 temperature 303(d) listing to the M&E List because the cause of the impairment had not been determined. The commission then directed the division to propose changes to the regulatory language during the 2020 Regulation #93 rulemaking hearing process to better reflect the current commission policy decision and provide consistency between the regulatory language and the 303(d) Listing Methodology.

In 2018, the EPA partially approved the 2018 303(d) List. The EPA cited the change from the 303(d) List to the M&E List for segment COGULD02 as a reason for this partial approval, instead of full approval. The 2020 Listing Methodology workgroup considered this topic. The division proposed to remove language in Regulation #93.2(2):

“Colorado’s Monitoring and Evaluation List identifies water bodies where there is reason to suspect water quality problems, but there is also uncertainty regarding one or more factors, such as the representative nature of the data. ~~Water bodies that are impaired, but it is unclear whether the cause of impairment is attributable to pollutants as opposed to pollution, are also placed on the Monitoring and Evaluation List.~~ This Monitoring and Evaluation list is a state-only document that is not subject to EPA approval. These segments are included in Section 93.3 with parameters included in the Colorado’s Monitoring and Evaluation column.”

When the removal of this language was discussed in the 2020 Listing Methodology workgroup, there was no opposition to this proposal. The division proposed this change to Regulation #93 during the 2020 Rulemaking Hearing process and the commission adopted this language modification to align Regulation #93 with the most recent policy decisions, as reflected in the Listing Methodology.

5. Temperature Assessments

The 2020 303(d) Listing Methodology requires that the party proposing a temperature listing is responsible for investigating the temperature excursions defined in Regulation #31, Table 1, Footnote 5c. This footnote includes three allowable excursions to exceedances of the temperature standard. These include an air temperature excursion, a low flow excursion, and a winter shoulder season excursion. These excursions require a significant investment in resources to assess. Due to resource limitations, the division deprioritized temperature assessments and no excursions were investigated. Therefore, the commission carried existing temperature 303(d) and M&E listings forward to the 2020 303(d) List. Segment COGULD02 is an exception. This segment was reassessed to address EPA's concerns cited in their partial approval of the 2018 303(d) List.

6. Assessment Values Used for Secondary Water Supply Standards

For the secondary water supply standards of dissolved iron, dissolved manganese and sulfate, the less restrictive of the following two options apply as the numeric

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standard: existing quality as of January 1, 2000, or the table value criteria in Regulation #31, Tables II and III. For dissolved iron, the table value standard (TVS) is 300 ug/l. For dissolved manganese, the TVS is 50 ug/l. For sulfate, TVS is 250 mg/l.

For the 2016 303(d) Listing Methodology, the commission included additional language regarding the determination of existing quality from the year 2000 (EQ 2000). This includes a minimum data requirement and the ability to use data collected after the year 2000 when characterizing existing quality from 2000. The utilization of data collected past the year 2000 is contingent upon there being no known new or increased sources of these parameters in the segment being assessed since 2000.

Table 1 summarizes the secondary water supply assessment values used for dissolved iron, manganese, and sulfate for 303(d) or M&E Listing actions:

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.								
Portion ID	Analyte	Category / List	Listing Action	TVS or 2000¹	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COLCLC02b_B	Mn-D	M&E	Retain	2000	95-99	34	87.16	ug/L
COLCLC02b_B	SO4	M&E	Retain	2000	95-99	82	1109.5	mg/L
COLCLC04a_A	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCLC04a_B	SO4	303(d)	M&E to 303(d)	TVS	N/A	N/A	250	mg/L
COLCLC04a_C	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCLC04a_D	SO4	M&E	Retain	TVS	N/A	N/A	250	mg/L
COLCLC10_B	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L
COLCLC10_B	SO4	Attaining	M&E Delist	2000	95-04	25	590	mg/L
COLCLC14c_B	Mn-D	303(d)	Retain	2000	95-99	59	52.6	ug/L
COLCLC14c_C	Mn-D	303(d)	Retain	2000	95-99	59	52.6	ug/L
COLCLY03c_B	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COLCLY03c_B	SO4	303(d)	Retain	2000	95-99	13	406	mg/L
COLCLY03c_C	SO4	303(d)	Retain	2000	95-99	13	406	mg/L
COLCLY03e_A	SO4	M&E	Retain	2000	95-99	17	720	mg/L
COLCLY06_A	Mn-D	M&E	Retain	2000	N/A	N/A	N/A	ug/L
COLCLY06_A	SO4	M&E	Retain	2000	N/A	N/A	N/A	mg/L
COLCWH09b_A	Mn-D	M&E	Retain	2000	N/A	N/A	N/A	ug/L
COLCWH09b_A	SO4	M&E	Retain	2000	N/A	N/A	N/A	mg/L
COLCWH13b_B	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COLCWH13b_C	SO4	M&E	Retain	2000	95-99	18	416.8	mg/L

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Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.								
Portion ID	Analyte	Category / List	Listing Action	TVS or 2000 ¹	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COLCWH20_B	SO4	303(d)	List	2000	N/A	N/A	N/A	mg/L
COSPBO02a_B	Fe-D	Attaining	M&E Delist	2000	95-09	20	341.5	ug/L
COSPBO02a_D	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPBO02a_F	Fe-D	303(d)	Retain	2000	95-09	20	341.5	ug/L
COSPBO02b_E	SO4	M&E	List	TVS	N/A	N/A	250	mg/L
COSPBO02b_F	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COSPBO07b_B	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBO14_B	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COSPBO14_B	Mn-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	50	ug/L
COSPBO14_D	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBT04a_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBT04b_A	Mn-D	303(d)	List	2000	95-04	124	79.48	ug/L
COSPBT07_A	Mn-D	Attaining	M&E Delist	TVS	N/A	N/A	50	ug/L
COSPBT08_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPBT08_B	SO4	303(d)	Retain	TVS	N/A	N/A	250	mg/L
COSPBT09_A	Mn-D	303(d)	List	2000	95-99	23	89.7	ug/L
COSPCH01_A	Mn-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	50	ug/L
COSPCH04a_A	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COSPCH04a_A	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COSPCH04a_B	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPCL02c_B	Mn-D	303(d)	Retain	2000	95-99	180	203.1	ug/L
COSPCL02c_B	Fe-D	303(d)	Retain	2000	95-99	180	442.25	ug/L
COSPCL02c_E	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COSPCL02c_E	Fe-D	M&E	List	2000	95-99	180	442.25	ug/L
COSPCL03a_C	Fe-D	303(d)	List	TVS	N/A	N/A	300	ug/L
COSPCL03a_C	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPCL03b_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPCL05_B	Mn-D	M&E	List	2000	95-99	67	431	ug/L
COSPCL06_C	Fe-D	Attaining	M&E Delist	2000	95-99	58	9995	ug/L
COSPCL06_C	SO4	303(d)	M&E to 303(d)	TVS	N/A	N/A	250	mg/L

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Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.								
Portion ID	Analyte	Category / List	Listing Action	TVS or 2000 ¹	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COSPCL09b_A	Mn-D	Attaining	M&E Delist	2000	95-09	14	507.02	ug/L
COSPCL10_A	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COSPCL12a_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPCL12a_B	SO4	303(d)	M&E to 303(d)	TVS	N/A	N/A	250	mg/L
COSPCL12a_B	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COSPCL12a_B	Mn-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	50	ug/L
COSPCL13a_C	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COSPCL14b_A	Fe-D	303(d)	M&E to 303(d)	TVS	N/A	N/A	300	ug/L
COSPCL14b_A	Mn-D	303(d)	M&E to 303(d)	Site Specific Standard	N/A	N/A	244	ug/L
COSPCL15_B	Mn-D	303(d)	List	2000	95-99	31	315	ug/L
COSPCL15_B	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COSPCL15_C	Mn-D	303(d)	List	2000	95-99	31	315	ug/L
COSPCL16a_A	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COSPCL17b_A	Mn-D	303(d)	List	TVS	95-09	19	50	ug/L
COSPCP07_B	Fe-D	M&E	Retain	TVS	95-99	56	300	ug/L
COSPCP07_B	Mn-D	303(d)	Retain	TVS	95-99	56	50	ug/L
COSPCP07_C	Fe-D	M&E	Retain	TVS	95-99	56	300	ug/L
COSPCP07_C	Mn-D	303(d)	Retain	TVS	95-99	56	50	ug/L
COSPCP09_B	Fe-D	303(d)	List	TVS	95-99	17	300	ug/L
COSPCP13a_B	Mn-D	Attaining	303(d) Delist	TVS	95-99	54	50	ug/L
COSPCP13a_B	SO4	Attaining	303(d) Delist	2000	95-04	17	2708	mg/L
COSPCP13a_E	Mn-D	303(d)	List	TVS	95-99	54	50	ug/L
COSPLA02a_A	Mn-D	M&E	Retain	TVS	95-04	23	50	ug/L
COSPLS01_A	Mn-D	Attaining	303(d) Delist	TVS	95-99	46	50	ug/L
COSPLS01_A	SO4	303(d)	M&E to 303(d)	2000	95-09	46	553	mg/L

EXHIBIT 1
Water Quality Control Division

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.								
Portion ID	Analyte	Category / List	Listing Action	TVS or 2000 ¹	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COSPM501a_A	Mn-D	Attaining	M&E Delist	2000	95-04	253	240	ug/L
COSPM501b_A	Mn-D	Attaining	303(d) Delist	TVS	95-99	70	50	ug/L
COSPSV04a_B	Mn-D	Attaining	M&E Delist	2000	95-18	28	188.2	ug/L
COSPSV04b_A	Mn-D	303(d)	List	2000	95-99	305	57.6	ug/L
COSPSV04b_B	SO4	303(d)	List	TVS	95-04	36	250	mg/L
COSPSV05_A	Mn-D	303(d)	List	TVS	95-04	42	50	ug/L
COSPSV05_B	Mn-D	303(d)	Retain	TVS	95-04	42	50	ug/L
COSPSV06_A ²	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	N/A
COSPSV06_B ²	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	N/A
COSPUS02c_A	Fe-D	TMDL	Retain	TVS	N/A	N/A	300	ug/L
COSPUS02c_A	Mn-D	TMDL	Retain	TVS	N/A	N/A	50	ug/L
COSPUS02c_C	Fe-D	TMDL	Retain	TVS	N/A	N/A	300	ug/L
COSPUS02c_C	Mn-D	TMDL	Retain	TVS	N/A	N/A	50	ug/L
COSPUS02c_D	Fe-D	TMDL	Retain	TVS	N/A	N/A	300	ug/L
COSPUS02c_D	Mn-D	TMDL	Retain	TVS	N/A	N/A	50	ug/L
COSPUS03_B	Mn-D	303(d)	Retain	2000	95-99	45	170	ug/L
COSPUS04_E	Mn-D	303(d)	List	2000	95-99	95	100	ug/L
COSPUS05b_B	Mn-D	303(d)	Retain	2000	95-99	153	151.8	ug/L
COSPUS06b_A	Mn-D	303(d)	List	TVS	N/A	N/A	50	ug/L
COSPUS15_B	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COUCBL02a_A	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCBL02a_B	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCBL06a_B	Mn-D	Attaining	303(d) Delist	2000	95-99	88	665	ug/L
COUCBL06a_C	Mn-D	Attaining	303(d) Delist	2000	95-99	88	665	ug/L
COUCBL12_B	Mn-D	M&E	Retain	2000	95-04	15	199	ug/L
COUCBL12_C	Mn-D	M&E	Retain	2000	95-04	15	199	ug/L
COUCBL20_B	Fe-D	M&E	Retain	2000	N/A	N/A	N/A	ug/L
COUCEA05a_C	Fe-D	303(d)	List	TVS	N/A	N/A	300	ug/L
COUCEA05c_A	Fe-D	303(d)	Retain	TVS	N/A	N/A	300	ug/L

EXHIBIT 1
Water Quality Control Division

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.								
Portion ID	Analyte	Category / List	Listing Action	TVS or 2000 ¹	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COUCEA10a_B	SO4	303(d)	List	TVS	N/A	N/A	250	mg/L
COUCNP03_A	Fe-D	M&E	Retain	TVS	N/A	N/A	300	ug/L
COUCNP04a_B	Fe-D	M&E	Retain	TVS	N/A	N/A	300	ug/L
COUCNP04a_B	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COUCNP04a_E	Mn-D	M&E	Retain	TVS	N/A	N/A	50	ug/L
COUCNP04a_F	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L
COUCNP04a_H	Fe-D	303(d)	Retain	TVS	N/A	N/A	300	ug/L
COUCNP04a_H	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCNP04b_B	Mn-D	Attaining	M&E Delist	2000	95-04	19	479	ug/L
COUCNP05b_A	Fe-D	303(d)	M&E to 303(d)	2000	95-04	28	359	ug/L
COUCNP05b_A	Mn-D	Attaining	M&E Delist	2000	95-04	28	109.5	ug/L
COUCUC07a_B	Mn-D	M&E	Retain	2000	95-99	93	51.6	ug/L
COUCUC07a_B	SO4	303(d)	Retain	TVS	N/A	N/A	250	mg/L
COUCUC07b_D	SO4	M&E	List	TVS	N/A	N/A	250	mg/L
COUCUC07b_D	Mn-D	M&E	List	TVS	N/A	N/A	50	ug/L
COUCUC07b_D	Fe-D	M&E	List	TVS	N/A	N/A	300	ug/L
COUCUC07d_B	Mn-D	303(d)	Retain	TVS	N/A	N/A	50	ug/L
COUCVS07e_A	Mn-D	Attaining	303(d) Delist	N/A	N/A	N/A	N/A	ug/L
COUCUC10c_A	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L
COUCUC10c_B	Fe-D	Attaining	303(d) Delist	TVS	N/A	N/A	300	ug/L
COUCUC10c_C	Fe-D	Attaining	303(d) Delist	TVS	N/A	N/A	300	ug/L
COUCUC12_D	Fe-D	Attaining	303(d) Delist	2000	95-18	18	426.25	ug/L
COUCUC12_D	Mn-D	Attaining	303(d) Delist	2000	95-18	12	877.05	ug/L
COUCYA02a_A	Mn-D	Attaining	M&E Delist	2000	95-99	45	128	ug/L
COUCYA03_D	Mn-D	Attaining	M&E Delist	TVS	N/A	N/A	50	ug/L

EXHIBIT 1
Water Quality Control Division

Table 1. Values Used for the Assessment of Dissolved Iron, Dissolved Manganese, and Sulfate Water Supply Standards.								
Portion ID	Analyte	Category / List	Listing Action	TVS or 2000 ¹	POR for 2000 Dataset	Sample Size of 2000 Dataset	Value	Units
COUCYA04_A	Mn-D	M&E	Retain	2000	N/A	N/A	N/A	ug/L
COUCYAVS_B	Fe-D	Attaining	M&E Delist	TVS	N/A	N/A	300	ug/L

Footnotes:

1) Where this column indicates that the appropriate standard is the existing quality as of the year 2000 (as indicated with '2000' in this column), information for the subsequent columns is only reported where 10 or more samples are available.

2) The water supply use classification was removed from COSPSV06 during the 2015 rulemaking hearing. It is therefore being removed from the 303(d) list for dissolved manganese, and there is no standard to report.

7. Policy 10-1 Aquatic Life Use Attainment Update

In 2017, the commission updated Policy 10-1, Aquatic Life Use Attainment, Methodology to Determine Use Attainment for Rivers and Streams. Policy 10-1 provides the commission with a methodology for determining if the Aquatic Life Use is attaining in wadeable streams and rivers. The policy describes a bioassessment Multi-Metric Index (MMI) tool, which provides a direct measurement and characterization of the health of the benthic macroinvertebrate community. The MMI calculates a unitless score that ranges from 0-100. These MMI scores are then compared to biological thresholds, which are located in Table 1 of Policy 10-1.

For the 2017 update of Policy 10-1, the MMI (4.0) tool was updated to provide more precise MMI scores as well as new metrics that describe more detailed attributes of the benthic macroinvertebrate community. The MMI tool was recalibrated with a more robust reference and stressed site dataset. As a result, the MMI scores for reference sites were recalculated, which led to new biotype thresholds. The three biotypes are Biotype 1 (Transition), Biotype 2 (Mountain) and Biotype 3 (Xeric and Plains).

During the 2020 303(d) listing cycle, the division utilized the recalibrated tool to assess MMI scores against the new biotype thresholds. These assessments were completed within the South Platte and Upper and Lower Colorado basins. This resulted in 27 new segments being placed on the 303(d) List, 18 segments being removed from the 303(d) List, and 26 segments being retained on the 303(d) List.

8. Site-specific decisions made by the commission are discussed below

9. Parties to the rulemaking hearing

EXHIBIT 2
Water Quality Control Division

Listed Portion Description Proposed Changes

With the 2018 303(d) listing cycle, the division updated the format of the tables in Regulation #93 to include a database output table instead of a Microsoft Word table. These new tables can be generated directly from the state's assessment tracking database and can be directly linked to the state's geospatial segmentation layers and the standard's database. With the new tables, changes to 303(d) and M&E listings are easily tracked through an action column. The action identifies whether a parameter is being newly listed, retained, or removed. However, when the division proposes changes to the portion IDs (AUIDs) and descriptions (the extent of the impairment), these changes are not as apparent with the new tables. To communicate these proposed changes, the division has developed the table below.

The table below includes a list of proposed and original portion descriptions. The original portion ID (AUID) and descriptions are "retired" and new ones are created to retain a history of attainment conclusions for the water body.

New portion descriptions can result from one of the following processes:

1. **Segmentation Change**- If a segment description changed as a result of the basin rulemaking hearing processes, the division updated the listed portion description in Regulation #93 to be consistent with the descriptions in the basin regulations. For basins outside of the basins of focus (San Juan, Gunnison, Arkansas and Rio Grande), the division did not re-assess data for these segments and the division is not proposing a change to the geographic extent of the listed portion. Note that in these cases no substantive changes are being proposed. The division is simply updating the descriptions to be consistent with the basin regulations.
2. **Attainment Status Change**: New portion due to attainment status change - For these portions, recent water quality data indicated that the attainment status for one portion of a segment was different than another portion or portions of a segment. New portions were created to reflect the most recent assessment results.
3. **Database Correction** - For this segment, there was an error in the database and the extent of the listing was inaccurate. The division created a new assessment unit ID to reflect the correct extent of the listing.

If the attainment status for a segment is consistent throughout the segment, the portion description will look the same as the water body ID description from the basin regulation. However, if the division has portioned a water body because the attainment status for a portion of the water body is different than another portion, the description will not match the description for the water body in the basin regulation. These proposed portion changes do not change the official segmentation that is adopted in the basin regulations (Regulations #32-#38).

Portion Changes

Original Portion- COARF004_B

Sand Creek and tributaries (near Wigwam)

New Portion	Description	Reason for Change
COARF004e_B	Sand Creek (near Wigwam), including all tributaries and wetlands.	Segmentation Change

Original Portion- COARF004_D

All tributaries to Fountain Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from Monument Creek to Arkansas River, except for Sand Creek(s), Little Fountain Creek below Deadman Canyon, and specific listings in segments 5 and 6.

New Portion	Description	Reason for Change
COARF003a_C	Tributaries and wetlands to Cheyenne Creek not within National Forest boundaries. Bear Creek below Gold Camp Road to the confluence with Fountain Creek. Rock Creek from the National Forest boundary to Highway 115. North Monument and Beaver creeks from the source to the confluence with Monument Creek.	Segmentation Change
COARF004a_A	Mainstem of Jackson Creek, Monmument Branch, Elkhorn Springs, Pine Creek, South Pine Creek, South Rockrimmon Creek, Templeton Gap North, Templeton Gap Floodway, Douglas Creek, and South Douglas Creek, from the sources to the confluences with Monument Creek.	Segmentation Change
COARF004b_A	All tributaries to Monument Creek from the sources to the confluences with Monument Creek which are not within the boundaries of National Forest or Air Force Academy lands, including all wetlands, from a point immediately below the confluence with North Monument Creek to the confluence with Fountain Creek, except for specific listings in segments 3a, 4a, and 4c. This includes Dirty Woman Creek, Smith Creek, Black Squirrel Creek, Cottonwood Creek, Dry Creek, and an unnamed tributary with the confluence at Monument Creek located near (38.948613, -104.829623).	Segmentation Change
COARF004c_A	Mainstems of Kettle Creek, North Rockrimmon Creek and Mesa Creek, including all tributaries and wetlands, from the sources to the confluences with Monument Creek.	Segmentation Change
COARF004d_A	All tributaries with confluences with Fountain Creek from South Academy Blvd (CO83) including the unnamed tributary immediately south of Old Pueblo Road (38.585843, -104.669591), including tributaries and wetlands, except for Little Fountain Creek and its tributaries and wetlands, and specific listings in segments 3a, 5a, and 5b. All tributaries with confluences with Fountain Creek from a point immediately above University Blvd (CO47) (38.312846, -104.590524) to the confluence with the Arkansas River.	Segmentation Change

COARF004e_A	All tributaries to Fountain Creek, including tributaries and wetlands, from a point immediately below the confluence with Monument Creek to University Blvd (CO47) except for Little Fountain Creek, Sand Creek(s) (near Wigwam and Colorado Springs), and specific listings in segments 5 and 6.	Segmentation Change
COARF005a_A	Jimmy Camp Creek, including all tributaries and wetlands from the source to the irrigation diversion east of Old Pueblo Road (38.694, -104.683). Williams Creek, including all tributaries and wetlands, from the source to the confluence with Fountain Creek	Segmentation Change

Original Portion- COARF004_E

Sand Creek and its Tributaries (near Colorado Springs)

New Portion	Description	Reason for Change
COARF004e_C	Sand Creek (near Colorado Springs), including all tributaries and wetlands.	Segmentation Change

Original Portion- COARF004_G

Little Fountain Creek and its Tributaries below the Deadman Canyon.

New Portion	Description	Reason for Change
COARF004e_E	Little Fountain Creek, including all tributaries and wetlands, from immediately below Deadman Canyon to the confluence with Fountain Creek.	Segmentation Change

Original Portion- COARF005_A

Marshland on Nash Property (60 acres at 13030 Old Pueblo Road, El Paso County) located in Section 28 T16S R65W; Jimmy Camp Creek from the irrigation diversion east of Old Pueblo Road to its confluence with Fountain Creek; unnamed tributary from the boundary of Fort Carson to the confluence with Fountain Creek; located in S1/2, SW1/4, Section 6 and N1/2. NW1/4, Section 7, T16S, R65W.

New Portion	Description	Reason for Change
COARF005a_B	Jimmy Camp Creek, including all tributaries and wetlands from the irrigation diversion east of Old Pueblo Road (38.694, -104.683) to Old Pueblo Road (38.6732, -104.696739).	Segmentation Change
COARF005b_A	Jimmy Camp Creek from Old Pueblo Road (38.6732, -104.696739) to the confluence with Fountain Creek, including the marshland located on the 60-acre parcel at 13030 Old Pueblo Road. Unnamed tributary from the boundary of Fort Carson (38.694465, -104.738735).	Segmentation Change

Original Portion- COARLA02a_A

All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 3a through 9b, and Middle Arkansas Basin listings.

New Portion	Description	Reason for Change
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COARLA02a_B	All tributaries to the Arkansas River, including wetlands, from the Colorado Canal headgate to the Colorado/Kansas border except for specific listings in segments 2b, 2c, 2d, 3a through 9b, and Middle Arkansas Basin listings.	Segmentation Change
COARMA13c_A	All tributaries and wetlands to the Cucharas and Huerfano Rivers not on forest service lands, except for specific listings in 13a and 13b.	Segmentation Change

Original Portion- COARMA27_A

Teller Reservoir

New Portion	Description	Reason for Change
COARUA41_A	Teller Reservoir	Segmentation Change

Original Portion- COARUA05_B

Lake Fork below Sugarloaf Dam to the confluence with the Arkansas River.

New Portion	Description	Reason for Change
COARUA05a_B	Lake Fork below Sugarloaf Dam to the confluence with the Arkansas River.	Segmentation Change

Original Portion- COARUA05_C

Colorado Gulch and its tributaries

New Portion	Description	Reason for Change
COARUA05a_C	Colorado Gulch and its tributaries	Segmentation Change

Original Portion- COARUA14d_B

Turkey Creek above the unnamed tributary that drains Mount Pittsburg (38.615, -104.903)

New Portion	Description	Reason for Change
COARUA14f_B	Turkey Creek above the unnamed tributary that drains Mount Pittsburg (38.615, -104.903)	Segmentation Change

Original Portion- COARUA15_B

Grape Creek and its tributaries from Antelope Creek to Deweese Reservoir

New Portion	Description	Reason for Change
COARUA15b_B	Grape Creek and its tributaries from Antelope Creek to Deweese Reservoir	Segmentation Change

Original Portion- COARUA15_C

Mainstem of Grape Creek, including all tributaries and wetlands, from the source to Antelope Creek, except for specific listings in segment 25. Mainstems of Texas, Badger, Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Mainstem of Newlin Creek from the National Forest boundary to the City of Florence water diversion.

New Portion	Description	Reason for Change
COARUA15a_A	Mainstem of Badger from the source to the confluence with the Arkansas, including all tributaries and wetlands, Mainstem of Texas Creek from the forest service boundary to the confluence with the Arkansas River, including all tributaries and wetlands which are not on the forest service land.	Segmentation Change
COARUA15b_A	Mainstem of Grape Creek, including all tributaries and wetlands, from the source to Antelope Creek, except for specific listings in segment 25. Mainstems of Hayden, Hamilton, Stout, and Big Cottonwood Creeks, including all tributaries and wetlands, from their sources to their confluences with the Arkansas River. Tributaries and wetlands to Texas Creek which are on Forest Service Land. Mainstem of Newlin Creek from the National Forest boundary to County Road 92 (38.300765, -105.140927).	Segmentation Change

Original Portion- COGUUG29a_E

Lake Fork of the Gunnison between Silver Creek and Cottonwood Creek

New Portion	Description	Reason for Change
COGUUG29a_I	Lake Fork of the Gunnison between Silver Creek and Cottonwood Creek	Database Correction

Original Portion- COLCLC07a_A

Mainstem of Mitchell, Canyon, Elk, Garfield, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River. Battlement Creek from the most downstream boundary of BLM lands to the confluence with the Colorado River.

New Portion	Description	Reason for Change
COLCLC07a_B	Mainstem of Mitchell, Canyon, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River.	Attainment status change
COLCLC07a_C	Garfield Creek and its tributaries from the headwaters to the confluence with the Colorado River	Attainment status change
COLCLC07a_D	Elk Creek and its tributaries from the White River National Forest boundary to the confluence with the Colorado River	Attainment status change

Original Portion- COLCLC19_A

All lakes and reservoirs tributary to Colorado River from below confluence of Colorado River and Parachute Creek to Colorado-Utah border, including Highline Reservoir, except for listings in segments 9b, 13c, 20, and 21.

New Portion	Description	Reason for Change
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COLCLC19_E	West Lake in James M. Robb Colorado River State Park	Attainment status change
COLCLC19_F	All lakes and reservoirs tributary to Colorado River from below confluence of Colorado River and Parachute Creek to Colorado-Utah border, including Highline Reservoir, except for specific listings in segments 9b, 13c, 20, and 21.	Attainment status change

Original Portion- COLCLC20_A

Harvey Gap Reservoir, and Vega Reservoir

New Portion	Description	Reason for Change
COLCLC20_C	Harvey Gap Reservoir	Attainment status change
COLCLC20_D	Vega Reservoir	Attainment status change

Original Portion- COLCLY02_A

Mainstem of the Yampa River from a point immediately below the confluence with Elkhead Creek to the confluence with the Green River.

New Portion	Description	Reason for Change
COLCLY02_B	Mainstem of the Yampa River from a point immediately below the confluence with Elkhead Creek to the confluence with the Little Snake River.	Attainment status change
COLCLY02_C	Mainstem of the Yampa River from a point immediately below the confluence with Little Snake River to the confluence with the Green River.	Attainment status change

Original Portion- COLCWH24_A

All lakes and reservoirs tributary to the White River, which are within the boundaries of the Flat Tops Wilderness Area, including Trappers Lake.

New Portion	Description	Reason for Change
COLCWH24_B	All lakes and reservoirs tributary to the White River, which are within the boundaries of the Flat Tops Wilderness Area, including Trappers Lake and excepting Ned Wilson Lake	Attainment status change
COLCWH24_C	Ned Wilson Lake	Attainment status change

Original Portion- CORGAL20_A

All tributaries and wetlands to the Alamosa River, La Jara Creek, or the Conejos River within the boundaries of the Rio Grande National Forest excluding the specific listings in segments 1 through 7, 11a, 11b, 13, 14a, 14b, 17a, 17b and 18.

New Portion	Description	Reason for Change
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CORGAL02_D	Tributaries to the Alamosa River from a point immediately below the confluence of Bitter Creek to the inlet of Terrace Reservoir, except for specific listings in segments 4a, 5, 6, and 7.	Segmentation Change
CORGAL20_B	All tributaries and wetlands to the Alamosa River, La Jara Creek, or the Conejos River within the boundaries of the Rio Grande National Forest excluding the specific listings in segments 1 through 7, 11a, 11b, 13, 14a, 14b, 17a, 17b, and 18.	Segmentation Change

Original Portion- CORGCB12a_D

Mainstem of Saguache Creek, from the boundary of the La Garita Wilderness Area to a point just below the confluence Ford Creek.

New Portion	Description	Reason for Change
CORGCB12a_F	Mainstem of Saguache Creek from the boundary of the La Garita Wilderness Area to a point just below the confluence with Ford Creek, excluding the specific listings in segment 12b.	Segmentation Change
CORGCB12b_B	Mainstem of Saguache Creek from a point just below the confluence of Fourmile Creek to a point just below the confluence with Ford Creek.	Segmentation Change

Original Portion- CORGRG03_A

Mainstem of Seepage Creek from the outlet of Santa Maria Reservoir to a point one mile below the outlet of Santa Maria Reservoir. Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek.

New Portion	Description	Reason for Change
CORGRG02_D	Mainstem of Seepage Creek from the outlet of Santa Maria Reservoir to a point one mile below the outlet of Santa Maria Reservoir.	Segmentation Change
CORGRG03_B	Mainstem of North Clear Creek from the outlet of Continental Reservoir to a point immediately above the confluence with Rito Hondo Creek	Segmentation Change

Original Portion- CORGRG05_B

Nelson Creek

New Portion	Description	Reason for Change
CORGRG05a_A	Nelson Creek	Segmentation Change

Original Portion- CORGRG05_C

Embargo Creek and West Alder Creeks and their tributaries.

New Portion	Description	Reason for Change
CORGRG05a_B	Embargo Creek, including all tributaries and wetlands, from the source to immediately above the confluence with Dyers Creek. West Alder Creek, including all tributaries and wetlands.	Segmentation Change

CORGRG05b_B	Mainstem of Embargo Creek, including all tributaries and wetlands, from immediately above the confluence with Dyers Creek to the confluence with the Rio Grande.	Segmentation Change
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Original Portion- CORGRG09_B

North Branch of Pass Creek

New Portion	Description	Reason for Change
CORGRG09a_A	North Branch of Pass Creek	Segmentation Change

Original Portion- CORGRG09_C

Hope Creek and its tributaries.

New Portion	Description	Reason for Change
CORGRG09a_B	Hope Creek and its tributaries.	Segmentation Change

Original Portion- CORGRG11_A

Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to a point immediately below the confluence with Spring Branch.

New Portion	Description	Reason for Change
CORGRG11_C	Mainstem of San Francisco Creek (Rio Grande County), including all tributaries and wetlands, from the source to a point immediately below the confluence with Spring Branch.	Segmentation Change

Original Portion- COSPBE04a_A

All tributaries to Bear Creek, including all wetlands, from the outlet of Evergreen Lake to the confluence with the South Platte River, except for specific listings in Segments 5, 6a, and 6b.

New Portion	Description	Reason for Change
COSPBE04a_B	All tributaries to Bear Creek, including all wetlands, from the outlet of Evergreen Lake to the confluence with the South Platte River, except for Mt. Vernon Creek and specific listings in Segments 5, 6a, and 6b.	Attainment status change
COSPBE04a_C	Mt. Vernon Creek and all of its tributaries.	Attainment status change

Original Portion- COSPBO02b_C

Mainstem of Boulder Creek, including all tributaries and wetlands, from the a point immediately below the confluence with North Boulder Creek to a point immediately above 13th St.

New Portion	Description	Reason for Change
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COSPBO02b_D	Mainstem of Boulder Creek, including all tributaries and wetlands, except COSPBO02b_E, from the a point immediately below the confluence with North Boulder Creek to a point immediately above 13th St.	Attainment status change
COSPBO02b_E	Mainstem of Fourmile Creek, including all tributaries and wetlands, from the source to the confluence of Boulder Creek, except Gold Run Creek.	Attainment status change
COSPBO02b_F	Gold Run Creek and its tributaries.	Attainment status change

Original Portion- COSPBO04b_B

Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to South Boulder Road, except for specific listings in Segments 4c and 4d.

New Portion	Description	Reason for Change
COSPBO04b_C	Mainstem of South Boulder Creek, including all tributaries and wetlands, from the outlet of Gross Reservoir to the mouth of Eldorado Canyon above the Community Ditch diversion structure (39°55'56.82"N, 105°16'50.56"W), except for specific listings in Segments 4c and 4d.	Attainment status change
COSPBO04b_D	Mainstem of South Boulder Creek, including all tributaries and wetlands, from below the Community Ditch diversion structure (39°55'56.82"N, 105°16'50.56"W), to South Boulder Road, except for specific listings in Segments 4c and 4d.	Attainment status change

Original Portion- COSPBO14_A

All lakes and reservoirs tributary to Boulder Creek from the source to a point immediately above the South Boulder Creek confluence, except as specified in Segment 13. This segment includes Lakewood Reservoir.

New Portion	Description	Reason for Change
COSPBO14_C	All lakes and reservoirs tributary to Boulder Creek from the source to a point immediately above the South Boulder Creek confluence, except as specified in Segment 13 and Silver Lake. This segment includes Lakewood Reservoir.	Attainment status change
COSPBO14_D	Silver Lake	Attainment status change

Original Portion- COSPCL02a_A

Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.

New Portion	Description	Reason for Change
COSPCL02a_B	Mainstem of Clear Creek, including all tributaries and wetlands, from the I-70 bridge above Silver Plume to the inlet of Georgetown Lake, except for specific listings in Segments 3a and 3b.	Attainment status change
COSPCL02a_C	From the outlet of Georgetown Lake to a point just above the confluence with West Fork Clear Creek, except for specific listings in Segments 3a and 3b.	Attainment status change

Original Portion- COSPCL02c_D

All tributaries and wetlands of Clear Creek, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10, and Turkey Gulch below the Rockford Tunnel.

New Portion	Description	Reason for Change
COSPCL02c_E	Virginia Canyon from its source to its confluence with Clear Creek	Attainment status change
COSPCL02c_F	All tributaries and wetlands of Clear Creek, from a point just below the confluence with Mill Creek to a point just above the Argo Tunnel discharge, except for specific listings in Segments 9a, 9b, and 10, Virginia Canyon, and Turkey Gulch below Rockford Tunnel.	Attainment status change

Original Portion- COSPCL13a_A

Mainstem of North Clear Creek, including all tributaries and wetlands, from its source to its confluence with Chase Gulch. and Four Mile Gulch, including all tributaries and wetlands, from their sources to their confluence with North Clear Creek and Eureka Gulch, including all tributaries and wetlands, from its source to its confluence with Gregory Gulch.

New Portion	Description	Reason for Change
COSPCL13a_B	Mainstem of North Clear Creek, including all tributaries and wetlands, from its source to a point just above its confluence with Chase Gulch, but excluding Chase Gulch and its tributaries and wetlands. Four Mile Gulch, including all tributaries and wetlands, from their sources to their confluence with North Clear Creek. Eureka Gulch, including all tributaries and wetlands, from its source to its confluence with Gregory Gulch.	Attainment status change
COSPCL13a_C	Chase Gulch, including all tributaries and wetlands, from its source to its confluence with North Clear Creek.	Attainment status change

Original Portion- COSPCL15_A

Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to the confluence with the South Platte River.

New Portion	Description	Reason for Change
COSPCL15_B	Mainstem of Clear Creek from Youngfield Street in Wheat Ridge, Colorado, to Wadsworth Blvd (39.7845, -105.0814).	Attainment status change
COSPCL15_C	Mainstem of Clear Creek from Wadsworth Blvd (39.2492, -105.6608) to the confluence with the South Platte River.	Attainment status change

Original Portion- COSPCP02a_A

Mainstem of the Cache La Poudre River, including all tributaries and wetlands from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.

New Portion	Description	Reason for Change
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COSPCP02a_B	Mainstem of the Cache La Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.	Attainment status change
COSPCP02a_C	All tributaries and wetlands of the Cache la Poudre River from the boundaries of Rocky Mountain National Park, and the Rawah, Neota, Comanche Peak, and Cache La Poudre Wilderness Areas to a point immediately below the confluence with the South Fork Cache La Poudre River.	Attainment status change

Original Portion- COSPCP09_A

Mainstem of Rabbit Creek and Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.

New Portion	Description	Reason for Change
COSPCP09_B	Mainstem of Lone Pine Creek from the source to the confluence with the North Fork of the Cache La Poudre River.	Attainment status change
COSPCP09_C	Mainstem of Rabbit Creek from the source to the confluence with the North Fork of the Cache La Poudre River.	Attainment status change

Original Portion- COSPCP13a_C

Spring Creek and Fossil Creek.

New Portion	Description	Reason for Change
COSPCP13a_D	Spring Creek and its tributaries	Attainment status change
COSPCP13a_E	Fossil Creek and its tributaries	Attainment status change

Original Portion- COSPSV01_A

All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.

New Portion	Description	Reason for Change
COSPSV01_B	Mainstem of South St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park.	Attainment status change
COSPSV01_C	All tributaries to St. Vrain Creek, including all wetlands, which are within the Indian Peaks Wilderness Area and Rocky Mountain National Park, except for the mainstem of South St. Vrain.	Attainment status change

Original Portion- COSPUS02a_A

All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for specific listings in Segment 1b, 2b and 2c, excluding Twin Creek on USFS Land

New Portion	Description	Reason for Change
COSPUS02a_E	All tributaries to the South Platte River system, including all wetlands from the headwaters of the South and Middle Forks to a point immediately below the confluence with Tarryall Creek except for Snyder Creek and for specific listings in Segment 1b, 2b and 2c.	Attainment status change
COSPUS02a_F	Snyder Creek and its tributaries	Attainment status change

Original Portion- COUCBL05_A

Mainstem of Soda Creek from the source to Dillon Reservoir.

New Portion	Description	Reason for Change
COUCBL04a_D	Mainstem of Soda Creek from the source to Dillon Reservoir.	Segmentation Change

Original Portion- COUCEA02_A

Mainstem of the Eagle River from the source to above the compressor house bridge at Belden (39.526879, -106.394950).

New Portion	Description	Reason for Change
COUCEA02_B	Mainstem of the Eagle River from the source to Peterson Creek	Attainment status change
COUCEA02_C	Eagle River Below Peterson Creek to compressor house bridge at Belden	Attainment status change

Original Portion- COUCEA05a_A

Mainstem of the Eagle River from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately above the Highway 24 Bridge near Tigiwon Road (39.554936, -106.401691).

New Portion	Description	Reason for Change
COUCEA05a_B	Mainstem of the Eagle River from the compressor house bridge at Belden to Bishop Gulch	Attainment status change
COUCEA05a_C	Mainstem of the Eagle River from Bishop Gulch to a point immediately above the Highway 24 Bridge near Tigiwon Road.	Attainment status change

Original Portion- COUCEA06_A

All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8. With other exceptions to Black Gore Creek

New Portion	Description	Reason for Change
COUCEA06_I	Rock Creek from the source to the confluence with the Eagle River.	Attainment status change
COUCEA06_J	All tributaries to the Eagle River, including all wetlands, from above the compressor house bridge at Belden (39.526879, -106.394950) to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8. With other exceptions to Black Gore and Rock Creek.	Attainment status change

Original Portion- COUCNP09_A

Lakes and reservoirs tributary to the North Platte and Encampment Rivers except Big Creek Reservoir, Lake John and North Delaney Lake

New Portion	Description	Reason for Change
COUCNP09_E	South Delaney Lake	Attainment status change
COUCNP09_F	Lakes and reservoirs tributary to the North Platte and Encampment Rivers except Big Creek Reservoir, Lake John, North Delaney Lake, and South Delaney Lake	Attainment status change

Original Portion- COUCRF03c_A

Roaring Fork River, from the Fryingpan River to the Crystal River. Three Mile Creek, including all tributaries from the source to the Roaring Fork River

New Portion	Description	Reason for Change
COUCRF03a_G	Three Mile Creek, including all tributaries, from the source to the Roaring Fork River.	Segmentation Change
COUCRF03c_C	Roaring Fork River from the Fryingpan River to the Crystal River.	Segmentation Change

Original Portion- COUCRF12_A

All lakes and reservoirs tributary to the Roaring Fork River except for the specific listings in Segment 11.

New Portion	Description	Reason for Change
COUCRF12_B	All lakes and reservoirs tributary to the Roaring Fork River except for specific listings in Segment 11 and Ruedi Reservoir	Attainment status change

Original Portion- COUCUC02_A

Mainstem of the Colorado River, including all tributaries and wetlands within, or flowing into Arapahoe National Recreation Area. Except for Willow, Stillwater, Arapaho Creeks, and the Colorado River from the North Inlet to Granby and the Colorado River from Shadow Mountain Reservoir to Granby Reservoir.

New Portion	Description	Reason for Change
COUCUC02_E	Mainstem of East Inlet	Attainment status change
COUCUC02_F	Mainstem of the Colorado River, including all tributaries and wetlands within, or flowing into Arapahoe National Recreation Area. Except for Willow, Stillwater, Arapaho Creeks, East Inlet, and the Colorado River from the North Inlet to Granby and the Colorado River	Attainment status change

Original Portion- COUCUC02_B

Willow Creek, Stillwater Creek and Arapaho Creek

New Portion	Description	Reason for Change
COUCUC02_G	Arapaho Creek	Attainment status change
COUCUC02_H	Stillwater Creek and Willow Creek	Attainment status change
COUCUC05_B	Mainstem of Willow Creek from the outlet of Willow Creek Reservoir to the confluence of with the Colorado River.	Segmentation Change

Original Portion- COUCUC04_A

All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to the confluence with the Roaring Fork River, which are on National Forest lands, except for those tributaries included in Segments 1 and 2, and specific listings in Segments 8, 9 and 10a.

New Portion	Description	Reason for Change
COUCUC04_B	Red Dirt Creek and its tributaries	Attainment status change
COUCUC04_C	All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to above the confluence with the Roaring Fork River, which are on National Forest lands, except for the specific listings in Segments 2, 8, 9 and 10a and Red Dirt Creek.	Attainment status change

Original Portion- COUCUC07b_B

Mainstem of Muddy Creek from Wolford Mountain Reservoir to Cow Gulch

New Portion	Description	Reason for Change
COUCUC07d_A	Mainstem of Muddy Creek from the outlet of Wolford Mountain Reservoir to Cow Gulch.	Segmentation Change

Original Portion- COUCUC07b_C

Mainstem of Muddy Creek from Cow Gulch to the Colorado River

New Portion	Description	Reason for Change
COUCUC07d_B	Mainstem of Muddy Creek from Cow Gulch to the Highway 40 Bridge in Kremmling (40.060574, -106.398739).	Segmentation Change
COUCUC07e_A	Mainstem of Muddy Creek from above the Highway 40 Bridge in Kremmling (40.060574, -106.398739) to the confluence with the Colorado River.	Segmentation Change

Original Portion- COUCUC07c_A

Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch as well as all tributaries to and wetlands of Muddy Creek from the source to the outlet of Wolford Mountain Reservoir, except for listings in Segment 4. The mainstems of Derby, Blacktail, Cabin, and Red Dirt Creeks (all below Wolford Mountain Reservoir), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except for listings in Segment 4.

New Portion	Description	Reason for Change
COUCUC07c_B	Diamond Creek and its tributaries	Attainment status change
COUCUC07c_C	Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch, except those waters on National Forest lands. All tributaries to Muddy Creek, including all wetlands, from the source to the inlet of Wolford Mountain Reservoir, except those waters on National Forest lands. The mainstems of Derby Creek, Cabin Creek, and Red Dirt Creeks (all tributary to the Colorado River), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except those waters on National Forest lands and Diamond Creek.	Attainment status change

Original Portion- COUCUC08_A

Mainstem of the Williams Fork River, including all tributaries and wetlands, from source to confluence with Colorado river, except for those tributaries in Segment 9.

New Portion	Description	Reason for Change
COUCUC08_C	Ute Creek and its tributaries	Attainment status change

COUCUC08_D	Williams Fork River, including all tributaries from source to confluence with Colorado river except Mainstem of Williams Fork River below Kinney Creek and Ute Creek including its tributaries	Attainment status change
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Original Portion- COUCUC09_A

All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas.

New Portion	Description	Reason for Change
COUCUC09_B	Roaring Fork Arapahoe Creek and its tributaries	Attainment status change
COUCUC09_C	All tributaries to the Colorado and Fraser Rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers Peak, Vasquez Peak, Eagles Nest and Flat Tops Wilderness Areas. Except for Roaring Fork Arapahoe Creek	Attainment status change

Original Portion- COUCUC13_A

All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately above the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12 and the Blue River and Eagle River subbasins.

New Portion	Description	Reason for Change
COUCUC13_B	All lakes and reservoirs tributary to the Colorado River from the boundary of Rocky Mountain National Park and Arapahoe National Recreation Area to a point immediately below the confluence with the Roaring Fork River, except for specific listings in Upper Colorado Segments 11 and 12, the Blue and Eagle River subbasins, Wolford Mountain Reservoir, and Williams Fork Reservoir	Attainment status change
COUCUC13_C	Wolford Mountain Reservoir	Attainment status change
COUCUC13_D	Williams Fork Reservoir	Attainment status change

Original Portion- COUCYA13b_A

Foidel Creek and tributaries, Middle Creek and tributaries

New Portion	Description	Reason for Change
COUCYA13b_C	Foidel Creek and tributaries	Attainment status change
COUCYA13b_D	Middle Creek and tributaries	Attainment status change

Original Portion- COUCYA22_A

All lakes and reservoirs tributary to the Yampa River from the source to the confluence with Elkhead Creek, except for those listed in Segment 21. All lakes and reservoirs tributary to Elkhead Creek from the source to the confluence with the Yampa River, except for specific listings in Segment 23. All lakes and reservoirs tributary to the Little Snake River, including those on National Forest lands. except Catamount and Elkhead res.

New Portion	Description	Reason for Change
COUCYA22_C	All lakes and reservoirs tributary to the Yampa River from the source to the confluence with Elkhead Creek, except for those listed in Segment 21 and Pearl Lake. All lakes and reservoirs tributary to Elkhead Creek from the source to the confluence with the Yampa River,	Attainment status change
COUCYA22_D	Pearl Lake	Attainment status change
COUCYA22_E	Steamboat Lake	Attainment status change
COUCYA22_F	Stagecoach Reservoir	Attainment status change

Permanent Rules Adopted

Department

Department of Personnel and Administration

Agency

Office of Administrative Courts

CCR number

1 CCR 104-3

Rule title

1 CCR 104-3 PROCEDURAL RULES FOR WORKERS' COMPENSATION HEARINGS
1 - eff 09/14/2019

Effective date

09/14/2019

OAC Rule 21. Interpreters.

- A. A party who is limited English proficient, or any party who calls a witness who is limited English proficient, may request that the OAC provide interpretation services for the hearing, at no cost to the requestor.
- B. A party who requires an auxiliary aid or service for a communication disability, or any party who calls a witness who requires an auxiliary aid or service for a communication disability, may request that the OAC provide interpretation services for the hearing, at no cost to the requestor.
- C. A request for interpretation services shall be made at the time of the filing of the application for hearing. In order to insure that proper arrangements for an interpreter are made, any request for interpretation services shall be confirmed in the Case Information Sheet (CIS) filed by the parties.
- D. If a case is cancelled, settled, continued, or otherwise rescheduled by the parties, the parties shall notify the OAC within 72 hours of the scheduled hearing that the interpretation services are no longer needed.
- E. A party who is limited English proficient may provide their own interpretation service so long as the interpreter from the interpretation service meets the qualifications of O.A.C.R.P. Rule 21.G below.
- F. A party who requires an auxiliary aid or service for a communication disability may provide their own interpretation service so long as the interpreter from the interpretation service meets the qualifications of O.A.C.R.P. Rule 21.G below.
- G. The OAC will provide professional interpreting services through a third party vendor. Any interpreter provided by the vendor, or any interpreter that the parties provide must have one of the following:
 - 1. A certification as a qualified legal interpreter in the target language, or,
 - 2. A demonstrated ability to interpret from the target language to English and from English to the target language, and, a demonstrated knowledge of legal terms and concepts.
- H. Immediately prior to the commencement of the hearing, any interpreter must review the "Code of Conduct for Interpreters in Administrative Hearings" and agree in writing to abide by its provisions.

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Office of the Attorney General

Tracking number: 2019-00236

Opinion of the Attorney General rendered in connection with the rules adopted by the

Office of Administrative Courts

on 07/25/2019

1 CCR 104-3

PROCEDURAL RULES FOR WORKERS' COMPENSATION HEARINGS

The above-referenced rules were submitted to this office on 07/25/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 09, 2019 07:52:25

A handwritten signature in blue ink, appearing to read 'P. J. Weiser', is written over the printed name and title.

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Revenue

Agency

Colorado Lottery

CCR number

1 CCR 206-1

Rule title

1 CCR 206-1 LOTTERY RULES AND REGULATIONS 1 - eff 09/14/2019

Effective date

09/14/2019

DEPARTMENT OF REVENUE

Colorado Lottery

LOTTERY RULES AND REGULATIONS

1 CCR 206-1

RULE 10.G IN-STATE JACKPOT GAME “COLORADO LOTTO+” – “PLUS”

BASIS AND PURPOSE OF RULE 10.G

The purpose of Rule 10.G is to provide details and requirements for the Colorado Lottery In-State Jackpot Game “Colorado Lotto+” - “Plus” option such as sale of Tickets, payment of Prizes, and method for selecting and validating winning Tickets. The statutory bases for Rule 10.G are C.R.S. 44-40-109(1)(a) and (2), 44-40-113, and 44-40-114.

10.G.1 General Provisions

The In-State Jackpot Game to be known as “Colorado Lotto+” shall have a game option known as “Plus” which allows players to pay an additional One Dollar (\$1.00) for a chance to win in a second Drawing using the same six (6) Numbers as the “Colorado Lotto+” Play.

“Plus” shall be conducted pursuant to the following Rules and Regulations and under such further instructions and directives as the Colorado Lottery Director and Colorado Lottery Commission may issue. If a conflict arises between Rule 10 In-State Jackpot Lottery Games, Rule 10.A Colorado Lotto, and/or this Rule 10.G, Rule 10.G shall apply.

10.G.2 Definitions

Refer to the definitions provided in section 1.2 of Rule 1 General Rules, Regulations, and Definitions and section 10.A.2 Definitions of Rule 10.A Colorado Lotto.

10.G.3 Price of “Plus” Play

- A. The price of each “Plus” Play shall be an additional One Dollar (\$1.00).

10.G.4 Play for “Plus”

- A. The six (6) Numbers out of forty (40) Numbers that were selected for the “Colorado Lotto+” Play will be eligible to win in a “Plus” Drawing. A winning “Plus” Play is achieved only when the following combinations of Numbers selected match, in any order, three (3), four (4), five (5), or six (6) of the winning Numbers drawn by the Lottery.
1. The randomly selected multiplier value of 2X, 3X, 4X, or 5X that applies to the “Colorado Lotto+” Play non-jackpot Prizes will also apply to all “Plus” non-jackpot Prizes.
- B. A player using a Play Slip can select the option of “Plus” to be eligible in the “Plus” Drawing. If a Play Slip is not available, the Licensee may select the “Plus” option via the keyboard at the time the “Colorado Lotto+” Ticket is generated.
- C. A player may purchase up to ten (10) “Colorado Lotto+” Plays with ten (10) “Plus” Plays on a single Ticket.

10.G.5 Prizes For “Colorado Lotto+” with “Plus”

- A. In addition to any prize won in the first “Colorado Lotto+” Draw (See Rule 10.A Colorado Lotto), the holder of a winning “Colorado Lotto+” with “Plus” Ticket may win only one (1) “Plus” Prize per Play in connection with the winning Numbers drawn in the second “Plus” Drawing and shall be entitled only to the highest Prize Category won by those Numbers.
- B. All Prizes awarded, except as defined in 10.G.6.A, shall be paid as set Prizes with the foregoing odds of winning a Prize.

WINNING COMBINATIONS	BASE PRIZE CATEGORY	2X PRIZE CATEGORY	3X PRIZE CATEGORY	4X PRIZE CATEGORY	5X PRIZE CATEGORY	ODDS OF WINNING
All six (6) Numbers in a Play	\$250,000	N/A	N/A	N/A	N/A	1 in 3,838,380
Any five (5) Numbers in a Play	\$300	\$600	\$900	\$1,200	\$1,500	1 in 18,816
Any four (4) Numbers in a Play	\$30	\$60	\$90	\$120	\$150	1 in 456
Any three (3) Numbers in a Play	\$4	\$8	\$12	\$16	\$20	1 in 32
MULTIPLIER ODDS	N/A	1 in 2	3 in 10	1 in 10	1 in 10	N/A
OVERALL ODDS						1 in 30

10.G.6 Payment of Prizes

- A. The Jackpot Prize shall be a set Prize for one (1) to eight (8) Prize Winners in a single Drawing.
1. Nine (9) or more Jackpot Prize Winners in a single Drawing will equally divide Two Million Dollars (\$2,000,000) by the number of Plays matching all six (6) of the winning Numbers.
- B. All Prizes are paid in a single cash payment equal to the value of the Prize.

10.G.7 Drawings

- A. The “Plus” Drawings shall be held twice each week on Wednesday and Saturday evenings, unless the Drawing schedule is changed by the Lottery. In the event of an act of Force Majeure the Drawing shall be rescheduled at the discretion of the Director or designee.
- B. The Drawings will be conducted by Lottery officials and comply with all Colorado Lottery Statutes, Rules and Regulations, and Drawing Guidelines.
- C. Each Drawing shall determine, at random, six (6) winning Numbers in accordance with Drawing Guidelines. Any Numbers drawn are not declared winning Numbers until the Drawing is certified by the Lottery in accordance with paragraph 10.G.7.D. The winning Numbers shall be used in

determining all "Plus" Winners for that Drawing. If a Drawing is not certified, another Drawing will be conducted to determine certified Prize Winners.

- D. Each Drawing shall be witnessed by an independent auditor as required in C.R.S. 44-40-109(2)(d). All Drawing equipment used shall be examined prior to and immediately after, a Drawing. All Drawings, inspections, and tests shall be recorded.
- E. A Drawing shall not be invalidated because the Numbers drawn create excessive Prize liability for the Lottery.

10.G.8 Sale of Tickets

- A. A "Colorado Lotto+" Ticket with the "Plus" option may be purchased from a Licensee authorized to sell Jackpot Game Tickets.
- B. A "Colorado Lotto+" Ticket with the "Plus" option shall show, at a minimum, the player's selection of Numbers, the amount of Plays, the Drawing date, the multiplier number, and Validation numbers.
- C. A purchaser of a "Colorado Lotto+" Ticket must choose, at the time of purchase, whether or not he/she wants the "Plus" option. If the purchaser chooses the "Plus" option for the Ticket, the additional cost for each "Colorado Lotto+" Play will be One Dollar (\$1.00). The "Plus" option applies to all boards on a single Ticket and cannot be purchased on a board-by-board basis.
- D. Plays may be entered manually using the Jackpot Gaming Terminal keypad or by means of a Play Slip provided by the Lottery. Facsimiles of Play Slips, copies of Play Slips, or other materials which are inserted into the Jackpot Gaming Terminal's Play Slip reader and which are not printed or approved by the Lottery shall not be used to enter a Play. No device shall be connected to a Jackpot Gaming Terminal to enter Plays, except as may be approved by the Lottery. Unapproved Play Slips or other devices may be seized by the Lottery.
 - 1. All Plays shall be marked on the Play Slip by hand. No machine-printed Play Slips shall be used to enter Plays. Machine-printed Play Slips may be seized by the Lottery.
- E. A "Colorado Lotto+" Ticket with the "Plus" option may not be cancelled.

10.G.9 Advance Play

Advance Play provides the opportunity to purchase "Colorado Lotto+" Tickets with the "Plus" option for more than one (1) consecutive Drawing. Advance Play Tickets shall be available for purchase in variable increments. The Advance Play feature shall be available at the discretion of the Director.

DEPARTMENT OF REVENUE

Colorado Lottery

LOTTERY RULES AND REGULATIONS

1 CCR 206-1

RULE 10.A IN-STATE JACKPOT GAME “COLORADO LOTTO”

BASIS AND PURPOSE OF RULE 10.A

The purpose of Rule 10.A is to provide details and requirements for the Colorado Lottery In-State Jackpot Game “Colorado Lotto” such as sale of Tickets, payment of Prizes, and method for selecting and validating winning Tickets. The statutory basis for Rule 10.A is found in C.R.S. 44-40-109 (1)(a) and (2), 44-40-113 and 44-40-114.

10.A.1 General Provisions

The In-State Jackpot Game to be known as “Colorado Lotto” shall be conducted pursuant to the following Rules and Regulations and under such further instructions and directives as the Colorado Lottery Director and Colorado Lottery Commission may issue. If a conflict arises between Rule 10 In-State Jackpot Lottery Games and this Rule 10.A, Rule 10.A shall apply.

10.A.2 Definitions

In addition to the definitions provided in section 1.2 of Rule 1 General Rules Regulations, and Definitions and section 10.2 of Rule 10 In-State Jackpot Lottery Games:

- A. “Game Board” means that area of the Play Slip where the grid contains forty (40) squares, numbers one (1) through forty (40).
- B. “Jackpot Prize” means a pari-mutuel Prize that is advertised to be paid with per-winner annuities or as a lump sum cash payment, unless otherwise specified by the Lottery.
- C. “Number” means any Play integer from one (1) through forty (40) inclusive.
- D. “Play” means the six (6) numbers selected on each Game Board and printed on the Ticket.
- E. “Roll-over” means the amount from the direct Prize Category contribution from previous Drawing(s) in the Jackpot Prize Category that is carried forward to the Jackpot Prize Category for the next Drawing.

10.A.3 Price of “Colorado Lotto” Ticket

The price of each “Colorado Lotto” Play shall be Two Dollars (\$2.00).

10.A.4 Play for “Colorado Lotto”

- A. A “Colorado Lotto” player must select six (6) numbers per Play; six (6) numbers out of forty (40). A winning Play is achieved only when the following combinations of numbers selected match, in any order, three (3), four (4), five (5), or six (6) of the winning Numbers drawn by the Lottery.
- B. The player can use Play Slips, as described in Section 10.A.8.C to make number selections. The Jackpot Gaming Terminal reads the Play Slip and issues a Ticket with corresponding Play(s). If a Play Slip is not available, the Licensee may enter the selected numbers via the

keyboard. If offered by the Lottery, a player may leave all or a portion of his/her Play selections to a random number generator operated by the computer, commonly referred to as a Quick Pick or partial Quick Pick.

- C. Each Ticket has a randomly selected multiplier value of 2X, 3X, 4X, or 5X that applies to all non-jackpot Prizes.

10.A.5 Prizes For “Colorado Lotto”

- A. The Jackpot Prize shall be determined on a pari-mutuel basis. The Prize money allocated to the Jackpot Prize Category shall be divided equally by the number of Plays matching all six (6) of the winning Numbers. All other Prizes awarded shall be paid as set Prizes with the following odds of winning a Prize.

WINNING COMBINATIONS	BASE PRIZE CATEGORY	2X PRIZE CATEGORY	3X PRIZE CATEGORY	4X PRIZE CATEGORY	5X PRIZE CATEGORY	ODDS OF WINNING
All six (6) numbers in a Play	Jackpot	N/A	N/A	N/A	N/A	1 in 3,838,380
Any five (5) numbers in a Play	\$250	\$500	\$750	\$1,000	\$1,250	1 in 18,816
Any four (4) numbers in a Play	\$25	\$50	\$75	\$100	\$125	1 in 456
Any three (3) numbers in a Play	\$3	\$6	\$9	\$12	\$15	1 in 32
MULTIPLIER ODDS	N/A	1 in 2	3 in 10	1 in 10	1 in 10	N/A
OVERALL ODDS						1 in 30

- B. The projected aggregate prizes as a percentage of sales for “Colorado Lotto” is fifty-five (55.5%). This projection does not include unclaimed prizes.

C. Prize Categories

1. Jackpot Prize – The Jackpot will start at an annuitized value of One Million Dollars (\$1,000,000) for the first Drawing after it is won. The total Prize Category contribution for a Drawing may include the following:
 - a. A direct Prize Category contribution of twenty-five percent (25%) of Net Sales for the Drawing, which may be adjusted as authorized by the Director.
 - b. A base contribution of \$500,000. The “Colorado Lotto” base contribution may be adjusted as authorized by the Director if increased sales warrant a higher starting jackpot.
 - c. A roll-over contribution as defined in Paragraph 10.A.2.E of this Rule 10.A.
 - d. An indirect Prize Category contribution authorized by the Director.

2. Second Prize – The second Prize Category may include the following:
 - a. The set base prize amount (\$250) times the number of Shares for the Prize Category.
 - b. An indirect Prize Category contribution as authorized by the Director.

A Prize Amount shall be calculated by multiplying the base prize amount (\$250) times the multiplier value displayed on the winning ticket.
3. Third Prize – The third Prize Category may include the following:
 - a. The set base prize amount (\$25) times the number of Shares for the Prize Category.
 - b. An indirect Prize Category contribution as authorized by the Director.

A Prize Amount shall be calculated by multiplying the base prize amount (\$25) times the multiplier value displayed on the winning ticket.
4. Fourth Prize – The fourth Prize Category may include the following:
 - a. The set base prize amount (\$3) times the number of Shares for the Prize Category.
 - b. An indirect Prize Category contribution as authorized by the Director.

A Prize Amount shall be calculated by multiplying the base prize amount (\$3) times the multiplier value displayed on the winning ticket.
5. Additional Lottery Prizes may be awarded as authorized by the Director from the Indirect Prize Category contribution.

10.A.6 Payment of Prizes

- A. The holder of a winning Ticket may win only one Prize per Play in connection with the winning Numbers drawn and shall be entitled only to the highest Prize Category won by those Numbers.
- B. Players will be given the option of receiving their Share of the Jackpot Prize over a period of twenty-five (25) years through a fixed progressive twenty-five (25) year annuity with the initial payment made by the Lottery on the date of claim and twenty-four (24) additional payments made yearly on the anniversary of the first payment, or a one-time lump sum payment equal to fifty percent (50%) of their Share of the annuitized Jackpot Prize Amount.
- C. The annuitized future value of the Jackpot Prize Category shall be twice the cash value of the total Jackpot Prize Category contribution as defined in section 10.A.5.C.1.
- D. To determine the annuitized future value of each Prize Amount, the annuitized future value of the Prize Category is divided by the Shares. A Share is the matching combination, in one Play, of all six (6) numbers drawn (in any sequence).
- E. If the annuitized future value of each Prize Amount results in an initial payment of Ten Thousand Dollars (\$10,000) or more and the annuity option has been selected, the Prize Amount shall be a fixed progressive twenty-five (25) year annuity. The initial annuity payment shall be paid by the Lottery at the time of claim and be 2.5% of the future value of the annuity. Each subsequent annual payment; two (2) through twenty-five (25) shall increase by 3.7% of the previous annual payment.
- F. Players who select the annuitized payment shall have the ability to change their Prize payment

selection from annuitized payment to lump sum payment for up to ninety days (90) from the original date of claim. This period may be extended at the discretion of the Director or designee. If a player chooses the lump sum payment after the initial annuitized payment is made to the player by the Lottery, the player will receive the remaining amount of the original cash value Prize, less taxes, in a single second payment.

- G. If the annuitized future value of each Prize Amount results in an initial payment of less than Ten Thousand Dollars (\$10,000) the annuity option will not be allowed and the Prize Amount will be paid in one (1) payment.

10.A.7 Drawings

- A. The “Colorado Lotto” Drawings shall be held twice each week on Wednesday and Saturday evenings, unless the Drawing schedule is changed by the Lottery. In the event of an act of Force Majeure, the Drawing shall be rescheduled at the discretion of the Director or designee.
- B. The Drawings will be conducted by Lottery officials and comply with all Colorado Lottery Statutes, Rules and Regulations, and Drawing Guidelines.
- C. Each Drawing shall determine, at random, six (6) winning Numbers in accordance with Drawing guidelines. Any Numbers drawn are not declared winning Numbers until the Drawing is certified by the Lottery in accordance with section 10.A.7.E. The winning Numbers shall be used in determining all “Colorado Lotto” Prize Winners for that Drawing. If a Drawing is not certified, another Drawing will be conducted to determine certified Prize Winners.
- D. Each Drawing shall be witnessed by an independent auditor as required in C.R.S. 44-40-109(2)(d). All Drawing equipment used shall be examined prior to and immediately after a Drawing. All Drawings, inspections, and tests shall be recorded.
- E. A Drawing shall not be invalidated because the numbers drawn create excessive Prize liability for the Lottery.

10.A.8 Sale of Tickets

- A. “Colorado Lotto” Tickets may be purchased from a Licensee authorized to sell In-State Jackpot Tickets.
- B. “Colorado Lotto” Tickets shall show, at a minimum, the player’s selection of numbers, the number of Plays, the Drawing date, and Validation numbers.
- C. Plays may be entered manually using the Jackpot Gaming Terminal keypad or by means of a Play Slip provided by the Lottery. Facsimiles of Play Slips, copies of Play Slips, or other materials which are inserted into the Jackpot Gaming Terminal’s Play Slip reader and which are not printed or approved by the Lottery shall not be used to enter a Play. No device shall be connected to a Jackpot Gaming Terminal to enter Plays, except as may be approved by the Lottery. Unapproved Play Slips or other devices may be seized by the Lottery.
 - 1. All Plays shall be marked on the Play Slip by hand. No machine-printed Play Slips shall be used to enter Plays. Machine-printed Play Slips may be seized by the Lottery.
- D. “Colorado Lotto” Tickets may not be cancelled.

10.A.9 Advance Play

Advance Play provides the opportunity to purchase “Colorado Lotto” Tickets for more than one (1) consecutive Drawing. Advance Play Tickets shall be available for purchase in variable increments. The Advance Play feature shall be available at the discretion of the Director.

DEPARTMENT OF REVENUE

Colorado Lottery

LOTTERY RULES AND REGULATIONS

1 CCR 206-1

RULE 14.A MULTI-STATE JACKPOT GAME, “POWERBALL®”

BASIS AND PURPOSE OF RULE 14.A

The purpose of Rule 14.A is to provide details and requirements for the Colorado Lottery Multi-State Jackpot Game “Powerball®” such as sale of Tickets, payment of Prizes, and method for selecting and validating winning Tickets. The statutory bases for Rule 14.A are C.R.S. 44-40-101, 44-40-109 (1)(a) and (2), 44-40-113, and 44-40-114.

14.A.1 General Provisions

The Multi-State Jackpot Game known as “Powerball®” shall be conducted pursuant to the following Rules and Regulations and such further instructions and directives as the Colorado Lottery Director and Colorado Lottery Commission may issue. If a conflict arises between Rule 14 Multi-State Jackpot Lottery Games and this Rule 14.A, Rule 14.A shall apply. If a conflict arises between this Rule 14.A and the “Powerball®” Official Game Rule provided by the Multi-State Lottery Association, the “Powerball®” Official Game Rule shall apply.

14.A.2 Definitions

In addition to the definitions provided in section 1.2 of Rule 1 General Rules, Regulations, and Definitions and section 14.2 of Rule 14 Multi-State Jackpot Lottery Games:

- A. “Game Board” means that area of the Play Slip that contains a set of two (2) grids. The first grid contains sixty-nine (69) squares, numbered one (1) through sixty-nine (69), and the second grid contains twenty-six (26) squares, numbered one (1) through twenty-six (26).
- B. “Grand Prize” means a pari-mutuel Prize that is advertised to be paid with per-winner annuities or as a lump sum cash payment, unless otherwise specified by the Lottery.
- C. “MUSL Board” means the governing body of MUSL, which is comprised of the chief executive officer of each Party Lottery.
- D. “Number” means any Play integer from one (1) through sixty-nine (69) inclusive.
- E. “Play” means the six (6) numbers selected on each Game Board and printed on the Ticket.
- F. “Prize Pool” means a defined percentage of sales as specified in this rule.
- G. “Set Prize Pool” means an account held by MUSL that holds the temporary balances, transferred to MUSL from Party Lotteries, which results from having fewer-than-expected Prize Winners in the Set Prize Categories. This money is paid out to Party Lotteries in subsequent Drawings that have more Prize Winners than are statistically expected in the Set Prize Categories.

14.A.3 Price of “Powerball®” Ticket

The price of each “Powerball®” Play shall be Two Dollars (\$2.00).

14.A.4 Play for “Powerball®”

- A. A “Powerball®” player must select six (6) numbers per Play; five (5) numbers out of sixty-nine (69) plus one (1) out of twenty-six (26). A winning Play is achieved only when the following combinations of numbers selected match, in any order, the five (5) plus one (1) Winning Numbers drawn. Those combinations are 5+1, 5+0, 4+1, 4+0, 3+1, 3+0, 2+1, 1+1, and 0+1.
- B. The player can use Play Slips, as described in section 14.A.8, to make number selections. The Jackpot Gaming Terminal reads the Play Slip and issues a Ticket with corresponding Play(s). If a Play Slip is not available, the Licensee may enter the selected numbers via the keyboard. If offered by the Lottery, a player may leave all or a portion of his/her Play selections to a random number generator operated by the Jackpot Gaming Terminal, commonly referred to as a Quick Pick or partial Quick Pick.

14.A.5 Prizes For “Powerball®”

- A. Odds of winning a Prize are displayed in the table below:

WINNING COMBINATIONS	PRIZE CATEGORY	ODDS OF WINNING (ONE PLAY)
All five (5) of first set plus one (1) of second set	Grand Prize	1:292,201,338.0000
All five (5) of first set plus none of second set	Second Prize	1:11,668,053.5200
Any four (4) of first set, but not five, plus one (1) of second set	Third Prize	1:913,129.1813
Any four (4) of first set, but not five, plus none of second set	Fourth Prize	1:36,525.1673
Any three (3) of first set, but not four or five, plus one (1) of second set	Fifth Prize	1:14,494.1140
Any three (3) of first set, but not four or five, plus none of second set	Sixth Prize	1:579.7646
Any two (2) of first set, but not three, four, or five, plus one (1) of second set	Seventh Prize	1:701.3281
Any one (1) of first set, but not two, three, four, or five, plus one (1) of second set	Eighth Prize	1:91.9775
None of first set plus one (1) of second set	Ninth Prize	1:38.3239
Overall odds of winning any prize		1:24.8671

- B. The Prize Pool contribution for all Prize Categories shall consist of fifty percent (50%) of each Drawing period sales, unless as described in section 14.A.10.D of this Rule 14.A, the Prize reserve and pool accounts are not funded at the balances set by the “Powerball®” Product Group. All prize payouts are made with the following expected Prize payout percentages, although the Prize payout percentage per drawing may vary.

PRIZE POOL

PRIZE CATEGORY	PRIZE AMOUNTS	ALLOCATION OF PRIZE POOL	PRIZE POOL PERCENTAGE OF SALES
Grand Prize	Announced Jackpot	68.0131%	34.0066%
Second Prize	\$1,000,000	8.5558%	4.2279%
Third Prize	\$50,000	5.4757%	2.7378%
Fourth Prize	\$100	0.2738%	0.1369%
Fifth Prize	\$100	0.6899%	0.3450%
Sixth Prize	\$7	1.2074%	0.6037%
Seventh Prize	\$7	0.9982%	0.4990%
Eighth Prize	\$4	4.3489%	2.1744%
Ninth Prize	\$4	10.4373%	5.2187%
TOTAL PAYOUT		100.00%	50.00%

- C. Prize Categories - The Grand Prize shall be determined on a pari-mutuel basis. The Grand Prize shall be divided equally by the number of Game Plays matching all five (5) of the first set plus one (1) of the second set. Except as provided in 14.A.9.E.4. below, all other Prizes Amounts awarded shall be paid as Set Prizes with the foregoing expected Prize payout percentages.

14.A.6 Payment of Prizes

- A. Grand Prizes shall be paid at the election of the Ticket Holder either by a single cash payment or in a series of annuity payments. The Ticket Holder becomes entitled to the Prize at the time the Prize is validated as a Prize Winner. However, the Grand Prize is paid by the Lottery upon receipt of funds from MUSL no earlier than fifteen (15) calendar days of Validation of the Grand Prize Ticket and when the player makes their final selection of cash or annuity, no later than sixty (60) days after Validation of the Grand Prize Ticket. An election made after the Ticket Holder becomes entitled to the Prize is final and cannot be revoked, withdrawn or otherwise changed. The Validation record will be kept secured and on file at the Lottery until the Ticket Holder makes a payment election. If the Ticket Holder does not make a payment election within sixty (60) days after Validation, then the Prize shall be paid as an annuity Prize.
- Shares of the Grand Prize shall be determined by dividing the cash available in the Grand Prize Pool equally among all plays matching all five (5) of the first set plus one (1) of the second set of drawn Numbers. Winner(s) who elect a cash payment shall be paid their Share(s) in a single cash payment. The annuitized option Prize shall be determined by multiplying a Prize Winner's Share of the Grand Prize Pool by the MUSL annuity factor. Neither MUSL nor the Party Lotteries shall be responsible or liable for changes in the advertised or estimated annuity Prize Amount and the actual amount purchased after the Prize payment method is actually known to MUSL. In certain instances announced by the "Powerball®" Product Group, the Grand Prize shall be a guaranteed amount and shall be determined pursuant to section 14.A.6.E. of this Rule 14.A. If individual Shares of the cash held to fund an annuity are less than Two Hundred and Fifty Thousand Dollars (\$250,000), the "Powerball®" Product Group, in its sole discretion, may elect to pay the Prize Winners Share of the cash held in the Grand Prize Pool.
 - All annuitized Prizes shall be paid annually in thirty (30) graduated payments with the initial payment being made in cash, to be followed by twenty-nine (29) payments funded by the annuity.
 - Funds for the initial payment of an annuitized Prize or the lump sum cash Prize shall be made available by MUSL for payment by the Lottery no earlier than the fifteenth calendar day (or the next banking day if the fifteenth day is a holiday) following the Drawing. If necessary, when the due date for the payment of a Prize occurs before the

receipt of funds in the Prize Pool trust sufficient to pay the Prize, the transfer of funds for the payment of the full lump sum cash amount may be delayed pending receipt of funds from the Party Lotteries. The Lottery may elect to make the initial payment from its own funds after Validation, with notice to MUSL.

4. The Grand Prize Amount held by MUSL for subsequent payment to an annuity Prize Winner shall be transferred to the Lottery and the Lottery shall have payment to the annuity Prize Winner on the anniversary date, or if such date falls on a non-business day the first day following the anniversary date, of the Drawing.
 5. In the event of the death of a Lottery Prize Winner during the annuity payment period, the "Powerball®" Product Group, in its sole discretion, upon the petition of the estate of the Lottery Prize Winner (the "Estate") to the Lottery, and subject to federal, state, or district applicable laws, may accelerate the payment of all of the remaining Lottery proceeds to the Estate. If the "Powerball®" Product Group makes such a determination, then securities and/or cash held to fund the deceased Lottery Prize Winner's annuitized Prize may be distributed to the Estate. The identification of the securities to fund the annuitized Prize shall be at the sole discretion of the "Powerball®" Product Group.
- B. The Director's decision with respect to the Validation and payment of Set Prizes, whether during a "Powerball®" game or any Drawing related thereto, shall be final and binding upon all participants in the Lottery.
 - C. All Set Prizes (excluding the Grand Prize) shall be paid by the Lottery. The Lottery may begin paying Set Prizes after receiving authorization to pay from the MUSL Central Office.
 - D. Annuitized payments of the Grand Prize or a share of the Grand Prize may be rounded to facilitate the purchase of an appropriate funding mechanism. Breakage on an annuitized Grand Prize win shall be added to the first cash payment to the Prize Winner(s).
 - E. Set Prizes, which, under these rules, may become pari-mutuel Prizes, may be rounded down so that Prizes can be paid in multiples of whole dollars. Breakage resulting from rounding these Prizes shall be carried forward to the Prize Pool for the next Drawing.
 - F. If the Grand Prize is not won in a Drawing, the Prize money allocated for the Grand Prize shall Roll-Over and be added to the Grand Prize Pool for the following Drawing.
 - G. The "Powerball®" Product Group may offer guaranteed minimum Grand Prize Amounts or minimum increases in the Grand Prize Amount between Drawings or make other changes in the allocation of Prize money where the "Powerball®" Product Group finds that it would be in the best interest of the game. If a minimum Grand Prize Amount or a minimum increase in the Grand Prize Amount between Drawings is offered by the "Powerball®" Product Group, then the Grand Prize Shares shall be determined as follows:
 1. If there are multiple Grand Prize winners during a single Drawing, each selecting the annuitized option Prize, then a Prize Winner's Share of the guaranteed annuitized Grand Prize shall be determined by dividing the guaranteed annuitized Grand Prize by the number of Prize Winners.
 2. If there are multiple Grand Prize winners during a single Drawing and at least one of the Grand Prize Winners has elected the annuitized option Prize, then the best bid submitted by MUSL's pre-approved qualified brokers shall determine the cash pool needed to fund the guaranteed annuitized Grand Prize.
 3. If no Prize Winner of the Grand Prize during a single Drawing has elected the annuitized option Prize, then the amount of cash in the Grand Prize Pool shall be an amount equal to the guaranteed annuitized amount divided by the average annuity factor of the most recent three best quotes provided by MUSL's pre-approved qualified brokers submitting quotes.

4. In no case shall quotes be used which are more than two (2) weeks old and if less than three (3) quotes are submitted, then MUSL shall use the average of all quotes submitted. Changes in the allocation of Prize money shall be designed to retain approximately the same Prize allocation percentages, over a year's time, set out in these rules.

14.A.7 Drawings

- A. The "Powerball®" Drawings shall be held twice each week on Wednesday and Saturday evenings, unless the Drawing schedule is changed by the MUSL Board. In the event of an act of Force Majeure, the Drawing shall be rescheduled at the discretion of the MUSL Board.
- B. Each Drawing shall determine, at random, six (6) winning Numbers in accordance with Drawing Procedures. Any Numbers drawn are not declared the Winning Combination until the Drawing is certified by MUSL in accordance with the "Powerball®" Drawing Procedure. The Winning Combination shall be used in determining all "Powerball®" Prize Winners for that Drawing. If a Drawing is not certified, another Drawing will be conducted to determine certified Prize Winners.
- C. Each Drawing shall be witnessed by an independent auditor as required in C.R.S. 44-40-109(2)(d). All Drawing equipment used shall be examined prior to and immediately after a Drawing. All Drawings, inspections, and tests shall be recorded on videotape.
- D. The Drawing shall not be invalidated because the Numbers drawn creating an excessive Prize liability for the Lottery.
- E. The Drawing procedures shall provide that a minimum of fifty-nine (59) minutes elapse between the close of the game Ticket sales and the time of the Drawing for those Tickets sold.
- F. All Drawings shall be open to the public.

14.A.8 Sale of Tickets

- A. "Powerball®" Tickets may be purchased from a Licensee authorized to sell Multi-State Jackpot Tickets.
- B. "Powerball®" Tickets shall show, at a minimum, the player's selection of Numbers, the number of Plays, the Drawing date, and Validation Numbers.
- C. Plays may be entered manually using the Jackpot Gaming Terminal keypad or by means of a Play Slip provided by the Lottery. Facsimiles of Play Slips, copies of Play Slips, or other materials which are inserted into the Jackpot Gaming Terminal's Play Slip reader and which are not printed or approved by the Lottery shall not be used to enter a Play. No device shall be connected to a Jackpot Gaming Terminal to enter Plays, except as may be approved by the Lottery. Unapproved Play Slips or other devices may be seized by the Lottery.
 1. All Plays shall be marked on the Play Slip by hand. No machine-printed Play Slips shall be used to enter Plays. Machine-printed Play Slips may be seized by the Lottery.
- D. "Powerball®" Tickets may not be cancelled.
 1. If the "Powerball®" Game is cancelled by the "Powerball®" Product Group prior to the occurrence of all Drawings for which Plays have been sold, the Lottery may provide a refund mechanism for such Plays to the Players, and the Lottery shall not be required to remit its Prize Pool contributions for any such refunded Plays.

14.A.9 Advance Play

Advance Play provides the opportunity to purchase "Powerball®" Tickets for more than one (1) consecutive Drawing. Advance Play Tickets shall be available for purchase in variable increments. The Advance Play feature shall be available at the discretion of the Director.

14.A.10 Prize Reserve and Prize Pool Accounts

- A. The MUSL Board manages two (2) Prize reserve accounts associated with the "Powerball®" Product Group. The MUSL Board holds the reserves in trust on behalf of the Party Lottery, and interest is earned by the Party Lottery. When a Party Lottery becomes a member of the "Powerball®" Product Group, the MUSL Board determines an initial contribution to be made by the Party Lottery to the reserves. In accordance with the payment plan established between the Party Lottery and MUSL, the Party Lottery must deposit with the MUSL Board the specified amounts. All deposits are reported on Party Lottery records as "Cash Held by MUSL" or "Pre-Paid Prize Expense with MUSL".
1. Prize Reserve Account (PRA) is used to guarantee payment of valid, but unanticipated, Grand Prize claims that may result from a system error or for any other reason the normal contributions from sales are not adequate.
 2. Set Prize Reserve Account (SPRA) is used to fund deficiencies in the payment of the Set Prizes.
- B. The MUSL Board manages multiple Prize Pool accounts associated with the "Powerball®" Product Group. The "Powerball®" Product Group sets the contribution rates for the following Prize Pool accounts.
1. Grand Prize Pool is used to fund the current Grand Prize.
 2. Set Prize Pool is used to fund the Set Prizes and holds the temporary balances that may result from having fewer than expected Prize Winners in the Set Prize Categories.
 3. Set-aside pool is used to fund the payment of the awarded minimum starting annuity Grand Prizes and minimum annuity Grand Prize increase, if necessary as may be set by the "Powerball®" Product Group.
 4. Grand Prize Carry Forward Pool is used to fully fund the starting minimum annuity Grand Prize, as may be set by the "Powerball®" Product Group, if such funds are available.
- C. The above Prize reserve accounts and the set-aside pool shall have maximum balance amounts that are set by the "Powerball®" Product Group, which are subject to review by the MUSL Board Finance and Audit Committee.
- D. The maximum contribution rate to the Grand Prize Pool shall be 68.0131% of the Prize Pool (34.0066% of sales). An amount up to five percent (5%) of a Party Lottery's sales may be deducted from a Party Lottery's Grand Prize Pool contribution and placed in trust in one or more Prize Pool accounts and prize reserve accounts held by the "Powerball®" Product Group at any time that the Prize Pool accounts and Party Lottery's share of the Prize reserve accounts(s) is below the amounts designated by the "Powerball®" Product Group. An additional amount up to twenty percent (20%) of a Party Lottery's sales may be deducted from a Party Lottery's Grand Prize Pool contribution and placed in trust in the Grand Prize Carry Forward Pool (CFP) to be held by the "Powerball®" Product Group at a time as determined by the "Powerball®" Product Group.
- E. The set Prize Pool shall be carried forward to subsequent draws if all or a portion of it is not needed to pay the Set Prizes awarded in the current draw. If the total of all Party Lotteries' Set Prizes (as multiplied by the respective Power Play multiplier if applicable) awarded in a Drawing exceeds the percentage of the Prize Pool allocated to the Set Prizes, then the amount needed to fund the Set Prizes awarded shall be drawn from the following sources, in the following order:
1. The amount allocated to the "Powerball®" Set Prizes and carried forward from previous draws, if any;
 2. If the Set Prize Pool is not sufficient to pay the Set Prizes awarded, an amount from the

Set Prize reserve account is used, if available, not to exceed an amount established by MUSL;

3. Other amounts as agreed to by the "Powerball®" Product Group in their sole discretion; and
 4. If after these sources are depleted, sufficient funds do not exist to pay the Set Prizes awarded, then the highest Set Prize shall become a pari-mutuel Prize. If the amount of the highest Set Prize, when paid on a pari-mutuel basis, drops to or below the next highest Set Prize and there are still not sufficient funds to pay the remaining Set Prizes awarded, then the next highest Set Prize shall become a pari-mutuel Prize. This procedure shall continue down through all Set Prize levels, if necessary, until all Set Prize levels become pari-mutuel Prize levels.
- F. The "Powerball®" Product Group may determine to expend all or a portion of the funds in the "Powerball®" Prize Pool accounts (except the Grand Prize pool account and the Grand Prize Carry Forward Pool) and the Prize reserve accounts, (1) for the purpose of indemnifying the Party Lotteries and licensee lotteries in the payment of Prizes to be made by the selling Lotteries; and (2) for the payment of Prizes or special Prizes in the game, limited to Prize Pool and Prize reserve contributions from Lotteries participating in the special Prize promotion, subject to the approval of the Board's Finance & Audit Committee. The Grand Prize carry forward pool may only be expended to pay "Powerball®" Prizes.
- G. Any amount remaining in the Prize Pool accounts or Prize reserve accounts at the end of this "Powerball®" Game shall be returned to the Party Lotteries participating in the accounts after the end of all claim periods of all selling Party Lotteries, carried forward to a replacement game, or otherwise expended in a manner at the election of the individual members of the "Powerball®" Product Group in accordance with jurisdiction statute.
- H. All liabilities for a "Powerball®" Prize are discharged upon payment of a Prize. A Prize claimant agrees, as its sole and exclusive remedy that claims arising out of a "Powerball®" Play can only be pursued against the selling Party Lottery which issued the Play. Litigation, if any, shall only be maintained within the jurisdiction in which the "Powerball®" Play was purchased and only against the selling Party Lottery that issued the Play. No claim shall be made against any other Participating Lottery or against the MUSL.

Nothing in these Rules shall be construed as a waiver of any defense or claim the selling Party Lottery which issued the Play, any other participating Lottery or MUSL may have in any litigation, including in the event a player or Prize claimant pursues litigation against the selling Party Lottery, any other participating Lottery or MUSL, or their respective officers, Directors, or employees.

All decisions made by a selling Party Lottery, including the declaration of Prizes and the payment thereof and the interpretation of "Powerball®" Rules, shall be final and binding on all Play purchasers and on every person making a Prize claim in respect thereof, but only in the jurisdiction where the "Powerball®" Play was issued.

Unless the laws, rules, regulations, procedures, and decisions of the Party Lottery which issued the Play provide otherwise, no Prize shall be paid upon a Play purchased, claimed, or sold in violation of these Rules or the laws, rules, regulations, procedures, and decisions of that selling Party Lottery; any such Prize claimed but unpaid shall constitute an unclaimed Prize under these Rules and the laws, rules, regulations, procedures, and decisions of that selling Party Lottery.

14.A.11 Prize Accounts

- A. The Lottery shall transfer to the MUSL in trust an amount as determined to be its total proportionate share of the Prize account less actual Set Prize liability. If this results in a negative amount, the MUSL Central Office shall transfer funds to the Lottery.
- B. Grand Prize Amounts held by MUSL shall be transferred to the Lottery immediately after the

Lottery validates the Grand Prize claim and after MUSL has collected the Prize Pool Shares from all Party Lotteries.

- C. All funds to pay a Grand Prize that go unclaimed shall be returned to the Lottery by MUSL in proportion to sales by the Lottery for the Grand Prize in question after the claiming period set by the Lottery selling the winning Ticket expires.

14.A.12 Funds Transfer

- A. Funds shall be collected by MUSL from each Party Lottery weekly by wire transfer or other means acceptable to the "Powerball®" Product Group. The "Powerball®" Product Group shall determine collection days. The amount to be transferred shall be calculated in accordance with game rules. The draw reports determine whether the member Lotteries owe funds to MUSL or MUSL needs to transfer money to the member Lotteries. Each Party Lottery shall transfer to MUSL an amount as determined by MUSL and the "Powerball®" Product Group to be its total proportionate share of the Prize account less actual Set Prize liability. If this results in a negative amount, the MUSL central office shall transfer funds to the Party Lottery.
- B. The Grand Prize Amount held by MUSL shall be transferred to the Lottery after the Lottery validates the Grand Prize claim and after MUSL has collected the Prize Pool Shares from all member Lotteries.
- C. The Grand Prize Amount held by MUSL for subsequent payment to annuity Prize Winners shall be transferred to the Lottery within seven (7) days preceding the anniversary date of the selection of the Winning Combination. The Lottery will then make payment to the annuity Prize Winner.

14.A.13 MUSL Accounting and Finance

- A. At the time a lottery joins the "Powerball®" Product Group, MUSL revises the existing budget and assesses the lottery for the additional costs. Each July, thereafter, MUSL sets the budget for the impending year and assesses each Party Lottery their proportionate share. The Party Lottery receives a copy of these costs and an election form.
- B. Each September and March, MUSL re-evaluates the amounts that each Party Lottery must contribute to any Prize reserves. Any additional contributions to the Prize reserves are funded by reducing the contribution from sales to the Grand Prize as referred to in 14.A.9.
- C. The draw reports determine whether the Lottery owes and needs to transfer funds to MUSL, or MUSL owes and needs to transfer funds to the Lottery. (The procedures and corresponding time lines documenting the timely and effective transfer of funds between the Lottery and MUSL can be found in the Lottery's financial procedures.) Three different transfers are made on a continual basis:
 - 1. Draw receivables transferred from the Lottery to MUSL;
 - 2. Set Prize payments and initial Grand Prize payments transferred from MUSL to the Lottery; and
 - 3. Subsequent Grand Prize annuity payments from MUSL to the Lottery.

DEPARTMENT OF REVENUE

Colorado Lottery

LOTTERY RULES AND REGULATIONS

1 CCR 206-1

RULE 14.B MULTI-STATE JACKPOT GAME, “POWERBALL®” - “POWER PLAY®”

BASIS AND PURPOSE OF RULE 14.B

The purpose of Rule 14.B is to provide details and requirements for the Colorado Lottery Multi-State Jackpot Game “Powerball®” “Power Play®” option such as sale of Tickets, payment of Prizes, and method for validating winning Tickets. The statutory bases for Rule 14.B are C.R.S. 44-40-101, 44-40-109 (1)(a) and (2), 44-40-113, and 44-40-114.

14.B.1 General Provisions

The Multi-State Jackpot Game known as “Powerball®” shall have a game option known as “Power Play®”, which allows players to pay an additional One Dollar (\$1.00) for a chance to increase any Set Prize won on that Ticket.

“Power Play®” shall be conducted pursuant to the following Rules and Regulations and under such further instructions and directives as the Colorado Lottery Director and Colorado Lottery Commission may issue. If a conflict arises between Rule 14 Multi-State Jackpot Lottery Games, Rule 14.A Multi-State Jackpot Game “Powerball®” and/or this Rule 14.B, Rule 14.B shall apply. If a conflict arises between this Rule 14.B and the “Powerball Power Play®” Official Game Rule provided by the Multi-State Lottery Association, the “Powerball Power Play®” Official Game Rule shall apply.

14.B.2 Definitions

Refer to the definitions provided in section 1.2 of Rule 1 General Rules, Regulations, and Definitions, section 14.2 of Rule 14 Multi-State Jackpot Lottery Games, and section 14.A.2 of Rule 14.A Multi-State Jackpot Game “Powerball®”.

14.B.3 Price of “Power Play®”

- A. The price of each “Power Play” selected shall be an additional One Dollar (\$1.00) per Play.
 - 1. The “Power Play®” is an add-on to the “Powerball®” 5/69 + 1/26 game. Players who elect to pay an extra One-Dollar (\$1.00) per “Powerball®” Play will have the opportunity to increase Set Prize winnings (excluding the Grand Prize).
 - 2. A player has the option to purchase up to ten “Powerball®” with “Power Play®” Plays on a single Ticket as follows:

NUMBER OF "POWERBALL®" PLAYS	COST OF "POWERBALL®" PLAYS	NUMBER OF "POWER PLAY®" PLAYS	COST OF "POWER PLAY®" PLAYS	TOTAL COST OF "POWERBALL®" WITH "POWER PLAY®" PLAYS
One (1) Play	\$2.00	One Play	\$1.00	\$3.00
Two (2) Plays	\$4.00	Two Plays	\$2.00	\$6.00
Three (3) Plays	\$6.00	Three Plays	\$3.00	\$9.00
Four (4) Plays	\$8.00	Four Plays	\$4.00	\$12.00
Five (5) Plays	\$10.00	Five Plays	\$5.00	\$15.00
Six (6) Plays	\$12.00	Six Plays	\$6.00	\$18.00
Seven (7) Plays	\$14.00	Seven Plays	\$7.00	\$21.00
Eight (8) Plays	\$16.00	Eight Plays	\$8.00	\$24.00
Nine (9) Plays	\$18.00	Nine Plays	\$9.00	\$27.00
Ten (10) Plays	\$20.00	Ten Plays	\$10.00	\$30.00

14.B.4 Play for "Power Play®"

- A. There will be no change in the Play for the "Powerball®" 5/69 + 1/26 game.
- B. "Power Play®" is effective only for players who choose "Power Play®" at the time of purchase and pay an additional \$1.00 per "Powerball®" Play.
1. A player using a Play Slip can select the option of "Power Play®" which will apply to all Plays purchased on the Play Slip. If a Play Slip is not available, the Licensee may select the "Power Play®" option via the keyboard at the time the "Powerball®" Ticket is generated.
- C. "Power Play®" multiplier of ten (10) is available when the initial advertised "Powerball®" Jackpot is between Forty Million Dollars (\$40,000,000) to One Hundred and Fifty Million Dollars (\$150,000,000). When the multiplier of ten (10) is available, the multipliers are weighted as follows:

	"POWER PLAY®" 10	"POWER PLAY®" 5	"POWER PLAY®" 4	"POWER PLAY®" 3	"POWER PLAY®" 2	TOTAL
Frequency	1	2	3	13	24	43
Percentage	2.3255	4.6512%	6.9767%	33.2326%	55.8140%	99.9608%

- D. When the initial advertised "Powerball®" Jackpot is greater than One Hundred and Fifty-One Million Dollars (\$151,000,000), the "Powerball®" "Power Play®" multipliers are weighted as follows:

	"POWER PLAY®" 5	"POWER PLAY®" 4	"POWER PLAY®" 3	"POWER PLAY®" 2	TOTAL
Frequency	2	3	13	24	42
Percentage	4.7619%	7.1429%	30.9523%	57.1429%	100%

14.B.5 Prizes For "Powerball®" with "Power Play®"

- A. Players who choose "Power Play®" will have Set Prizes multiplied. Second Prize will be multiplied by two (2X) and Third through Ninth Set Prize will receive an amount equal to the Set Prize multiplied by the drawn "Power Play®" multiplier.

The following table displays prizes won if "Power Play®" is chosen and the Set Prizes are not pari-mutuel as defined in section 14.A.10.E of Rule 14.A Multi-State Jackpot Game "Powerball®".

"POWERBALL®" PRIZE CATEGORY	"POWERBALL®" PRIZE AMOUNT	"POWER PLAY®" 2 DRAWN	"POWER PLAY®" 3 DRAWN	"POWER PLAY®" 4 DRAWN	"POWER PLAY®" 5 DRAWN	"POWER PLAY®" 10 DRAWN
Grand Prize	Jackpot	Jackpot	Jackpot	Jackpot	Jackpot	Jackpot
Second Prize	\$1,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000	\$ 2,000,000
Third Prize	\$50,000	\$100,000	\$150,000	\$200,000	\$250,000	\$500,000
Fourth Prize	\$100	\$200	\$300	\$400	\$500	\$1,000
Fifth Prize	\$100	\$200	\$300	\$400	\$500	\$1,000
Sixth Prize	\$7	\$14	\$21	\$28	\$35	\$70
Seventh Prize	\$7	\$14	\$21	\$28	\$35	\$70
Eighth Prize	\$4	\$8	\$12	\$16	\$20	\$40
Ninth Prize	\$4	\$8	\$12	\$16	\$20	\$40

- B. If the Set Prizes are pari-mutuel as defined in section 14.A.10E of Rule 14.A Multi-State Jackpot Game "Powerball®", and the player has purchased "Power Play®", the amount of the pari-mutuel Set Prize will become pari-mutuel for that Drawing.
- C. A "Power Play®" Prize Pool established by the MUSL Board shall be used to fund "Power Play®" Prizes. The Prize Pool shall hold the temporary balances that may result from having fewer than expected Prize Winners for "Power Play®". The source of the Prize Pool is each Party Lottery's weekly Prize contributions less actual "Power Play®" Prize liability. The weekly Prize contribution percentage is determined by the MUSL Board and may be collected and placed in trust in the Prize Pool for the purpose of paying "Power Play®" Prizes. The Prize payout percentage per draw may vary. The Prize Pool shall be carried forward to subsequent draws if all or a portion of it is not needed to pay the "Power Play®" Prizes awarded in the current draw and held in the Prize Pool.

14.B.6 Payment of Prizes

- A. All Set Prizes with "Power Play®" shall be paid by the Lottery. The Lottery may begin paying Set Prizes after receiving authorization to pay from MUSL.
- B. All Prizes, including those with "Power Play®", other than the Grand Prize, which, under these rules, may become pari-mutuel Prizes, may be rounded down so that Prizes can be paid in multiples of whole dollars. Breakage resulting from rounding these Prizes shall be carried forward to the Prize Pool for the next Drawing.
- C. The Director's decision with respect to the Validation and payment of Set Prizes, whether during a "Powerball®" game or any Drawing related thereto, shall be final and binding upon all participants in the Lottery.
- D.

14.B.7 Drawings

- A. The "Power Play®" Drawings shall be held twice each week on Wednesday and Saturday evenings, unless the Drawing schedule is changed by the MUSL Board. In the event of an act of Force Majeure, the Drawing shall be rescheduled at the discretion of the MUSL Board.

- B. Each "Power Play®" Drawing shall determine, at random, a single Number in accordance with Drawing procedures. Any Number drawn is not declared a Winning Number until the Drawing is certified in accordance with the "Powerball®" Drawing procedure. The Number drawn shall be used to determine all "Powerball®" "Power Play®" Prize Amounts for that Drawing. If a "Powerball®" Drawing is not certified, the "Power Play®" Number for the Drawing defaults to "5".
- C. Each "Power Play®" Drawing shall be witnessed by an auditor, as required in C.R.S 44-40-109 (2)(d). All Drawing equipment used shall be examined by the auditor immediately prior to, but no sooner than thirty (30) minutes before, a Drawing and immediately after, but no later than thirty (30) minutes following the Drawing.
- D. The Drawing shall not be invalidated due to the multiplier drawn creating an excessive prize liability for the Lottery.
- E. All "Power Play®" Drawings shall be open to the public.
- F. All Drawings, inspections and tests shall be recorded on videotape.

14.B.8 Sale of Tickets

- A. "Powerball®" with "Power Play®" Tickets may be purchased from a Licensee authorized to sell Multi-State Jackpot Tickets.
- B. "Powerball®" with "Power Play®" Tickets shall show, at a minimum, the player's selection of Numbers, the number of Plays, the Drawing date, "Power Play®" option chosen, and Validation Numbers.
- C. A purchaser of a "Powerball®" Ticket must choose, at the time of purchase, whether or not he/she wants "Power Play®".
 - 1. The "Power Play®" option applies to all Plays on a single Ticket and cannot be purchased on a Play-by-Play basis.
- D. "Powerball®" with "Power Play®" Tickets may not be cancelled.
 - 1. If the "Powerball®" Game is cancelled by the "Powerball®" Product Group prior to the occurrence of all Drawings for which Plays have been sold, the Lottery may provide a refund mechanism for such Plays to the Players, and the Lottery shall not be required to remit its Prize Pool contributions for any such refunded Plays.

14.B.9 Advance Play

Advance Play provides the opportunity to purchase "Powerball®" Tickets for more than one (1) consecutive Drawing. A purchaser of "Powerball®" Tickets may also purchase the "Power Play®" option for all Advance Play Plays. The "Power Play®" option applies to all Drawings for which the Ticket is purchased and the "Power Play®" option is selected. Players cannot elect the "Power Play®" option on a Drawing-by-Drawing basis when purchasing Advance Play Tickets. The Advance Play feature shall be available at the discretion of the Director.

DEPARTMENT OF REVENUE

Colorado Lottery

LOTTERY RULES AND REGULATIONS

1 CCR 206-1

Rule 14.E MULTI-STATE JACKPOT GAME, “LUCKY FOR LIFE®”

BASIS AND PURPOSE OF RULE 14.E

The purpose of Rule 14.E is to provide details and requirements for the Colorado Lottery Multi-State Jackpot Game “Lucky for Life®” such as sale of Tickets, payment of Prizes, and method for selecting and validating winning Tickets. The statutory bases for Rule 14.E are C.R.S. 44-40-101, 44-40-109(1)(a) and (2), and 44-40-113 and 44-40-114.

14.E.1 General Provisions

- A. The Multi-State Jackpot Game known as “Lucky for Life®” shall be conducted pursuant to the following Rules and Regulations and such further instructions and directives as the Colorado Lottery Director and Colorado Lottery Commission may issue. If a conflict arises between Rule 14 Multi-State Jackpot Lottery Games and this Rule 14.E, Rule 14.E shall apply. If a conflict arises between this Rule 14.E and the “Lucky for Life®” Official Game Rule provided by the New England Lotteries, the “Lucky for Life®” Official Game Rule shall apply.

14.E.2 Definitions

In addition to the definitions provided in section 1.2 of Rule 1 General Rules, Regulations, and Definitions and section 14.2 of Rule 14 Multi-State Jackpot Lottery Games:

- A. “Annuitized Payment Option” means payment of a Top Prize or Second Prize in equal payments or installments. The Annuitized Payment Option shall be calculated on an annual basis.
- B. “Cash Option” means payment of a Top Prize or Second Prize in a single cash payment equal to the value of the non-annuitized Prize.
- C. “Clearinghouse Lottery” means the Party Lottery or other duly authorized entity who is responsible for collecting and transferring Prize payouts on behalf of all Party Lotteries.
- D. “Game Board” means that area of the Play Slip that contains a set of two (2) grids. The first grid contains forty-eight (48) squares, numbered one (1) through forty-eight (48), and the second grid contains eighteen (18) squares, numbered one (1) through eighteen (18).
- E. “Liability Limit” means the pre-established threshold, as determined in advance by the New England Lottery Directors for paying Top Prize, Second Prize, and Third Prize Payments.
- F. “Lifetime Prize” means the natural life of a single Claimant or twenty (20) years if assigned to an entity or person under C.R.S. 44.40.113(1).
- G. “New England Lotteries” means the originating lotteries which are: Connecticut Lottery Corporation, Massachusetts State Lottery Commission, Maine State Liquor and Lottery Commission, New Hampshire Lottery Commission, Vermont Lottery Commission, and Rhode Island Division of Lotteries.
- H. “New England Lotteries Board” means the governing body of New England Lotteries, which is comprised of the chief executive officer of each Party Lottery.

- I. "Number" means any Play integer from one (1) through forty-eight (48) inclusive.
- J. "Play" means the six (6) Numbers selected on each Game Board and printed on the Ticket.
- K. "Prize Pool" means a defined percentage of sales as specified in this rule.
- L. "Published Notice" means notice of the Prize Amount and any changes to the Cash Option, which shall be posted on the Colorado Lottery Website and/or the Lucky for Life® Website at least thirty (30) days prior to the Drawing for which it is applicable.
- M. "Second Prize" means a Prize paid on a pari-mutuel basis, the Claimant has the option to be paid as an annuity or as a lump sum cash payment, unless otherwise specified by Lottery Rules.
- N. "Split Prize" means the pre-determined Top Prize, Second Prize, and Third Prize payout that is divided equally among the Number of winning Tickets in each of these three Prize Categories.
- O. "Top Prize" means a Prize paid on pari-mutuel basis. The Claimant has the option to be paid as an annuity or as a lump sum cash payment, unless otherwise specified by Lottery Rules.

14.E.3 Price of "Lucky for Life®" Ticket

The price of each "Lucky for Life®" Play shall be Two Dollars (\$2.00).

14.E.4 Play for "Lucky for Life®"

- A. A "Lucky for Life®" player must select six (6) Numbers per Play; five (5) Numbers out of forty-eight (48) plus one (1) out of eighteen (18). A winning Play is achieved only when the following combinations of Numbers selected match, in any order, the five (5) plus one (1) Winning Numbers drawn. Those combinations are 5+1, 5+0, 4+1, 4+0, 3+1, 3+0, 2+1, 2+0, 1+1, and 0+1.
- B. The player can use Play Slips, as described in Section 14.E.8.C to make Number selections. The Jackpot Gaming Terminal reads the Play Slip and issues a Ticket with corresponding Play(s). If a Play Slip is not available, the Licensee may enter the selected Numbers via the keyboard. If offered by the Lottery, a player may leave all or a portion of his/her Play selections to a random number generator operated by the Jackpot Gaming Terminal, commonly referred to as a Quick Pick or partial Quick Pick.

14.E.5 Prizes For “Lucky for Life®”

A. Odds of winning a Prize are displayed in the table below:

WINNING COMBINATIONS	PRIZE CATEGORY	ODDS OF WINNING (ONE PLAY)
All five (5) of first set plus one (1) of second set	Top Prize	1:30,821,472.000
All five (5) of first set plus none of second set	Second Prize	1:1,813,027.765
Any four (4) of first set, but not five, plus one (1) of second set	Third Prize	1:143,355.684
Any four (4) of first set, but not five, plus none of second set	Fourth Prize	1:8,432.687
Any three (3) of first set, but not four or five, plus one (1) of second set	Fifth Prize	1:3,413.231
Any three (3) of first set, but not four or five, plus none of second set	Sixth Prize	1:200.778
Any two (2) of first set, but not three, four or five, plus one (1) of second set	Seventh Prize	1:249.749
Any two (2) of the first set, but not three, four, or five, plus none of the second set	Eighth Prize	1:14.691
Any one (1) of first set, but not two, three, four or five, plus one (1) of second set	Ninth Prize	1:49.950
None of first set plus one (1) of second set	Tenth Prize	1:32.019

B. The Prize Pool contribution for all Prize Categories shall consist of fifty-nine percent (59%) of each Drawing period sales. Any amount remaining in the Prize Pool at the end of this game shall be carried forward to a replacement game or expended in a manner as directed by the Product Group in accordance with state law.

PRIZE POOL

PRIZE CATEGORY	PRIZE AMOUNTS	PRIZE POOL PERCENTAGE OF SALES
Top Prize	\$7,000 a week for life	10.2201%
Second Prize	\$25,000 a year for life	11.6380%
Third Prize	\$5,000	1.7439%
Fourth Prize	\$200	1.1859%
Fifth Prize	\$150	2.1973%
Sixth Prize	\$20	4.9806%
Seventh Prize	\$25	5.0050%
Eighth Prize	\$3	10.2103%
Ninth Prize	\$6	6.0060%
Tenth Prize	\$4	6.2463%
TOTAL PAYOUT		59.4335%

- C. Prize Categories – Top Prize, Second (2nd) Prize, and Third (3rd) Prize are split Prize Categories. Fourth (4th) Prize through Tenth (10th) Prize are set Prize Categories.

1. Split Prize levels are paid as follows:

- a. Top Prize: One (1) winner receives the full annuity value of Seven Thousand Dollars (\$7,000) a week for life, or according to such other schedule of payments set at the discretion of the Lottery, with the option of taking the cash value.
 - (1) The Top Prize cash value is set forth in the “Published Notice” available on the Jackpot Gaming Terminal, the Colorado Lottery Website, and/or the Lucky for Life® Website. The cash value can be revised thirty (30) days prior to the first Drawing to which it is applicable.
 - (2) All annuitized payments shall be made for a minimum of twenty (20) years.
 - (3) Two (2) to fourteen (14) Top Prize Winners share equally in the pari-mutuel Prize of Seven Thousand Dollars (\$7,000) a week for life with the option of taking the Cash Value divided by the total number of Top Prize Winners. The cash option must be taken if the annuitized value is less than Five Hundred Dollars (\$500) a week for life.
 - (4) Fifteen (15) or more Top Prize Winners share equally in a pari-mutuel Prize of Seven Million One Hundred and Twenty-Five Thousand Dollars (\$7,125,000). No Annuitized Payment Option shall be available at this level.
 - (5) For a single wager, the natural life of the Top Prize Winner shall be used to determine the duration over which the Top Prize is paid. If more than one (1) Person is a Top Prize Winner under a single Wager, the Top Prize will be paid over twenty (20) years.
- b. Second Prize: One (1) to twenty (20) Winners receives the full annuity value of Twenty-Five Thousand Dollars (\$25,000) a year for life with the option of taking the cash value.
 - (1) The Second Prize cash value is set forth in the “Published Notice” available on the Jackpot Gaming Terminal, the Colorado Lottery Website, and/or the Lucky for Life® website. The cash value can be revised thirty (30) days prior to the first Drawing in which it is applicable.
 - (2) All annuitized payments shall be made for a minimum of twenty (20) years.
 - (3) Twenty-One (21) or more Second Prize Winners share equally in the pari-mutuel Prize of Nine Million and Four Hundred Thousand Dollars (\$9,400,000). No Annuitized Payment Option shall be available at this level.
 - (4) The minimum Prize value for Second Prize shall not be less than any lower Prize Category Prize paid in that respective Drawing.
 - (5) For a single wager, the measuring life of a Second Prize Winner used to determine the duration over which the Second Prize is paid, shall be the natural life of the individual. If the Second Prize under a single wager is being claimed by more than one (1) Person, the measuring life for that Second Prize Winner shall be twenty (20) years.

- c. Third Prize: One (1) to one thousand (1,000) Third Prize Winners will receive Five Thousand Dollars (\$5,000).
 - (1) One thousand and one (1,001) or more Third Prize Winners will equally share a pari-mutuel Prize of Five Million Dollars (\$5,000,000).
 - (2) The minimum Prize value for a Third Prize shall not be less than Two Hundred Dollars (\$200).
- 2. Set Prize Categories are a guaranteed Prize and will not be paid as pari-mutuel.

14.E.6 Payment of Prizes

- A. All Prizes shall be paid by the Lottery. At the discretion of the Lottery, Prizes may be paid prior to receiving authorization from the Clearinghouse Lottery.
- B. Top Prize payments will be made according to payment selection.
 - 1. If the Annuitized Payment Option is selected the initial payment will be made at the time of the claim, after the verification of the Prize Amount. All subsequent payments will be made on a weekly basis from the date the Prize is claimed.
 - a. Annuitized payments of the Top Prize or a share of the Top Prize may be rounded to facilitate the purchase of an appropriate funding mechanism. Breakage on an annuitized Top Prize win shall be added to the first payment to the winner or winners.
 - 2. If the cash Option is selected the Prize shall be paid at the time of the claim, after the verification of the Prize Amount.
- C. Second Prize payments will be made according to payment selection.
 - 1. If the Annuitized Payment Option is selected the initial payment is made at the time of claim. All subsequent payments will be made on an annual basis.
 - a. Annuitized payments of the Second Prize or a share of the Second Prize may be rounded to facilitate the purchase of an appropriate funding mechanism. Breakage on an annuitized Second Prize win shall be added to the first payment to the winner or winners.
 - 2. If the Cash Option is selected the Prize will be paid at the time of the claim, after the verification of Prize Amount.

14.E.7 Drawings

- A. The "Lucky for Life®" Drawings shall be held twice each week on Monday and Thursday evenings, unless the Drawing schedule is changed by the New England Lotteries. In the event of an act of Force Majeure the Drawing shall be rescheduled at the discretion of the New England Lotteries.
- B. Each Drawing shall determine, at random, six (6) Winning Numbers in accordance with Drawing Procedures. Any Numbers drawn are not declared Winning Numbers until the Drawing is certified by New England Lotteries in accordance with the "Lucky for Life®" Drawing procedure. The Winning Numbers shall be used in determining all "Lucky for Life®" Winners for that Drawing. If a Drawing is not certified, another Drawing will be conducted to determine certified Prize Winners.
- C. Each Drawing shall be witnessed by an independent auditor as required in C.R.S. 44-40-109(2)(d). All Drawing equipment used shall be examined prior to and immediately after, a

Drawing. All Drawings, inspections, and tests shall be recorded on videotape.

- D. A Drawing shall not be invalidated because the Numbers drawn create excessive Prize liability for the Lottery.
- E. The Drawing procedures shall provide that a minimum of sixty (60) minutes elapse between the close of the game Ticket sales and the time of the Drawing for those Tickets sold.
- F. All Drawings shall be open to the public.

14.E.8 Sale of Tickets

- A. "Lucky for Life®" Tickets may be purchased from a Licensee authorized to sell Multi-State Jackpot Tickets.
- B. "Lucky for Life®" Tickets shall show, at a minimum, the player's selection of Numbers, the amount of Plays, the Drawing date, and Validation numbers.
- C. Plays may be entered manually using the Jackpot Gaming Terminal keypad or by means of a Play Slip provided by the Lottery. Facsimiles of Play Slips, copies of Play Slips, or other materials which are inserted into the Jackpot Gaming Terminal's Play Slip reader and which are not printed or approved by the Lottery shall not be used to enter a Play. No device shall be connected to a Jackpot Gaming Terminal to enter Plays, except as may be approved by the Lottery. Unapproved Play Slips or other devices may be seized by the Lottery.
 - 1. All Plays shall be marked on the Play Slip by hand. No machine-printed Play Slips shall be used to enter Plays. Machine-printed Play Slips may be seized by the Lottery.
- D. "Lucky for Life®" Tickets may not be cancelled.

14.E.9 Advance Play

- A. Advance Play provides the opportunity to purchase "Lucky for Life®" Tickets formore than one (1) consecutive Drawing. Advance Play Tickets shall be available for purchase in variable increments. The Advance Play feature shall be available at the discretion of the Director.
- B. The cash value may be adjusted during the life of an Advance Play Ticket per the Published Notice as referenced in 14.E.5.C.1.a.(1).

14.E.10 New England Lotteries Accounting and Finance

- A. When a Lottery joins the ""Lucky For Life®"" Product Group, New England Lotteries shall revise the existing budget and assess the Lottery for the additional costs. Each July, thereafter, New England Lotteries sets the budget for the impending year and assesses each Lottery their proportionate share. The Lottery receives a copy of these costs and an election form.
- B. The draw reports determine whether the Lottery owes and needs to transfer funds to the MUSL, or the MUSL owes and needs to transfer funds to the Lottery. (The procedures and corresponding time lines documenting the timely and effective transfer of funds between the Lottery and the MUSL can be found in the Lottery's financial procedures.) Prize payments are transferred between the MUSL and the Lottery as required to cover prize payments.

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Tracking number: 2019-00240

Opinion of the Attorney General rendered in connection with the rules adopted by the

Colorado Lottery

on 07/17/2019

1 CCR 206-1

LOTTERY RULES AND REGULATIONS

The above-referenced rules were submitted to this office on 08/01/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 02, 2019 10:44:32

A handwritten signature in blue ink, appearing to read "P. J. Weiser", is written over the typed name.

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Regulatory Agencies

Agency

Division of Banking

CCR number

3 CCR 701-4

Rule title

3 CCR 701-4 RULES OF THE COLORADO STATE BANKING BOARD PERTAINING
TO THE PUBLIC DEPOSIT PROTECTION ACT 1 - eff 09/14/2019

Effective date

09/14/2019

PDP1 Capital Standards for Eligible Public Depositories [Section 11-10.5-106(2)(b), C.R.S.]

For purposes of the Public Deposit Protection Act, a bank meeting adequate capital standards will maintain capital ratios as follows:

- A. An eligible public depository must have and maintain a total risk-based capital to risk-weighted assets ratio greater than or equal to 8 percent.
- B. If an eligible public depository's total risk-based capital to risk-weighted assets ratio is less than 8 percent, but greater than or equal to 6 percent, that eligible public depository shall adopt a written capital improvement plan that is acceptable to the Banking Board, and be able to meet the risk-based collateral requirements in Banking Board Rule PDP5.
- C. If an eligible public depository's total risk-based capital to risk-weighted assets ratio falls below 6 percent, the eligible public depository shall submit a plan and timeframe for eliminating its public deposits not fully insured by the Federal Deposit Insurance Corporation (FDIC). The plan will be approved as submitted or modified by the Banking Board on a case-by-case basis.
- D. Higher than minimum capital ratios may be required for an individual eligible public depository when the Banking Board determines that the bank's capital is, or may become, inadequate. For example, higher capital ratios may be appropriate for:
 - 1. A newly chartered bank;
 - 2. A bank receiving special supervisory attention;
 - 3. A bank which has, or is expected to have, losses resulting in capital inadequacy;
 - 4. A bank having a high proportion of off-balance sheet risks, especially standby letters of credit; or exposed to a high degree of asset depreciation or interest rate, funding, transfer, or similar risks; or having a low level of liquid assets in relation to short-term liabilities;
 - 5. A bank that is growing rapidly, either internally or through acquisitions; or
 - 6. A bank that may be adversely affected by the activities or condition of its holding company, affiliate(s), or other persons or institutions including chain banking organizations, with which it has significant business relationships, including concentrations of credit.
- E. An eligible public depository's capital is inadequate if it does not meet the provisions of this Rule. For the purposes of this Rule, the total risk-based capital to risk-weighted assets ratio is the combined sum of tier 1 capital and tier 2 capital to risk-weighted assets.

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Tracking number: 2019-00220

Opinion of the Attorney General rendered in connection with the rules adopted by the

Division of Banking

on 07/18/2019

3 CCR 701-4

**RULES OF THE COLORADO STATE BANKING BOARD PERTAINING TO THE PUBLIC DEPOSIT
PROTECTION ACT**

The above-referenced rules were submitted to this office on 07/19/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:46:35

A handwritten signature in blue ink, appearing to read 'P. J. Weiser', is written over a horizontal line.

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Regulatory Agencies

Agency

Division of Banking

CCR number

3 CCR 701-4

Rule title

3 CCR 701-4 RULES OF THE COLORADO STATE BANKING BOARD PERTAINING
TO THE PUBLIC DEPOSIT PROTECTION ACT 1 - eff 09/14/2019

Effective date

09/14/2019

PDP4 Standards for Establishing Current Market Value of Eligible Collateral [Section 11-10.5-107(1)(c), C.R.S.]

- A. Market value of the obligations and instruments approved as eligible collateral under Banking Board Rule PDP3(A), items 1, 2, 3, 4, 5, 6, 7, and 8; and all items under Banking Board Rule PDP3(B), shall be the last reported bid or transaction price or, for an inactively traded security, evaluators or other analysts acceptable to the Division of Banking may determine the market value.
- B. Market value of the obligations approved as eligible collateral under Banking Board Rule PDP3(E), PDP3(F) and PDP3(G) shall be 85 percent of the market value determined by evaluators or other analysts acceptable to the Division of Banking.
- C. Market value of the obligations approved as eligible collateral under Banking Board Rule PDP3(C) shall be 50 percent of the current principal balance of the note.
- D. Market value of the obligations approved as eligible collateral under Banking Board Rules PDP3(D) and PDP3(A)(9) shall be 85 percent of the par value of the obligation.
- E. Market value of the letters of credit approved as eligible collateral under Banking Board Rule PDP3(A)(10), and the surety bonds approved under Banking Board Rule PDP3(G) shall be 100 percent of the face value of the letter of credit or surety bond.

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Tracking number: 2019-00222

Opinion of the Attorney General rendered in connection with the rules adopted by the

Division of Banking

on 07/18/2019

3 CCR 701-4

**RULES OF THE COLORADO STATE BANKING BOARD PERTAINING TO THE PUBLIC DEPOSIT
PROTECTION ACT**

The above-referenced rules were submitted to this office on 07/19/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:47:32

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Regulatory Agencies

Agency

Division of Banking

CCR number

3 CCR 701-4

Rule title

3 CCR 701-4 RULES OF THE COLORADO STATE BANKING BOARD PERTAINING
TO THE PUBLIC DEPOSIT PROTECTION ACT 1 - eff 09/14/2019

Effective date

09/14/2019

PDP3 List of Approved Eligible Collateral Instruments and Obligations [Section 11-10.5-107(1), C.R.S.]

For purposes of the Public Deposit Protection Act and these rules, the term “investment grade” is defined as any security assigned a rating of AAA to BBB by Standard & Poor’s or Fitch’s Investors Services or any security assigned a rating of Aaa to Baa by Moody’s Investors Service. The following are approved as eligible collateral:

- A.
 - 1. U.S. Treasury Bills, Treasury Notes, and Treasury Bonds.
 - 2. U.S. Treasury STRIPS (Separate Trading of Registered Interest and Principal of Securities) with maximum five year maturity and U.S. Treasury TIPS (Treasury-Inflation Protected Securities).
 - 3. Farm Credit Systemwide Bonds, Notes, and Discount Notes, issued as Federal Farm Credit Bank (FCSB) securities, excluding multi-asset class structured notes.
 - 4. Federal Home Loan Bank (FHLB) Bonds, Notes and Discount Notes, excluding multi-asset class structured notes.
 - 5. Federal National Mortgage Association (FNMA or Fannie Mae) Bonds, Notes, Discount Notes, and Mortgage-Backed Pass-Through Certificates, excluding multi-asset class structured notes.
 - 6. Federal Home Loan Mortgage Corporation (FHLMC or Freddie Mac) Bonds, Notes, Discount Notes and Mortgage-Backed Pass-Through Securities, excluding multi-asset class structured notes.
 - 7. Government National Mortgage Association (GNMA or Ginnie Mae) Pass-Through Securities.
 - 8. Student Loan Marketing Association (SLMA or Sallie Mae) Bonds and Discount Notes, excluding multi-asset class structured notes, excluding debt securities issued by SLM Corporation.
 - 9. Certificates for sale in the secondary market which represent undivided interests in pools composed of United States Department of Agriculture Rural Development and Small Business Administration loans, if either the United States Department of Agriculture Rural Development or Small Business Administration have unconditionally guaranteed payment of all amounts due to be paid to the owner of the certificate, and additionally, portions of loans guaranteed by either the United States Department of Agriculture Rural Development or Small Business Administration, provided that one of those agencies has unconditionally guaranteed payment of all amounts due under the guaranteed portion of the loan.
 - 10. Irrevocable and unconditional standby Letters of Credit issued by a Federal Home Loan Bank, provided that: (1) The Letter of Credit is in the standard format approved by the Division of Banking, (2) the Colorado Division of Banking is designated as the beneficiary of the Letter of Credit; and (3) securities issued by a Federal Home Loan Bank remain investment grade.
- B. For purposes of this section B, “public unit” shall have the same meaning as that term is defined in Section 11-10.5-103(13), C.R.S., and “political subdivision” shall have the same meaning as that term is defined in Section 11-10.5-103(10), C.R.S.
 - 1. Obligations of any public unit or any political subdivision in Colorado, including anticipation warrants, general obligations, and obligations the interest and principal of which are secured by deposit in escrow of an amount of obligations of the United States or any agency thereof sufficient to secure payment.

2. Revenue bonds, except industrial development revenue bonds, issued by any public unit or any political subdivision in Colorado, as well as special improvement district bonds issued by any Colorado political subdivision.
 3. Obligations of any public unit or political subdivision of another state including anticipation warrants, general obligations, and obligations the interest and principal of which are secured by deposit in escrow of an amount of obligations of the United States or any agency thereof sufficient to secure payment, which obligations shall be readily convertible into cash, and which obligations are rated at least "A" quality by one or more nationally-recognized organizations that regularly rate such obligations.
 4. Revenue bonds of any public unit or political subdivision of another state, except private activity bonds or industrial development revenue bonds, which obligations shall be readily convertible into cash and which obligations are rated at least "AA" quality by one or more nationally-recognized organizations which regularly rate such obligations.
- C. Promissory notes secured by first lien mortgages or deeds of trust on 1-4 family residential real property situated in this state, if such notes are not in default in any respect, are wholly-owned by the eligible public depository, and meet the criteria below
1. Open-end and closed-end loans, including reverse mortgages, secured by real estate as evidenced by mortgages (Federal Housing Authority (FHA), Farmer's Home Administration (FmHA), Veterans Authority (VA), or conventional) or other liens on:
 - (a) Nonfarm property containing 1-to-4 dwelling units (including vacation homes) or more than four dwelling units if each is separated from other units by dividing walls that extend from ground to roof (e.g., row houses, townhouses, or the like);
 - (b) Mobile homes (i) that qualify as the purchase or holding of real property under Section 38-29-101, C.R.S. et seq., and (ii) where the loan to purchase the mobile home is secured by that mobile home as evidenced by a mortgage or other instrument on real property;
 - (c) Individual condominium dwelling units and loans secured by an interest in individual cooperative housing units, even if in a building with five or more dwelling units; or
 - (d) Housekeeping dwellings with commercial units combined where use is primarily residential and where only 1-to-4 family dwellings are involved.
- Home equity lines of credit, loans secured for 1-to-4 family residential property construction and land development purposes, and loans secured by vacant lots in established single-family residential sections or in areas set aside primarily for 1-to-4 family homes may not be pledged as eligible collateral.
- In no event shall any eligible public depository's pledged collateral portfolio consist of more than 50 percent of the above described promissory notes.
- D. Commercial paper rated at least "A1" or "P1" in quality at the time of pledging by Moody's and Standard & Poor's.
- E. Government National Mortgage Association, Federal National Mortgage Association and Federal Home Loan Mortgage Corporation Collateralized Mortgage Obligations and Real Estate Mortgage Investment Conduits except that interest only and principal only Collateralized Mortgage Obligations and Real Estate Mortgage Investment Conduits shall not be pledged.
- F. Commercial Mortgage-Backed Securities (CMBS) issued by the Government National Mortgage Association, Federal National Mortgage Association, or Federal Home Loan Mortgage Corporation.

- G. Uniform Mortgage-Backed Securities (UMBS) and Supers Securities (Supers) issued by the Federal Home Loan Mortgage Corporation or the Federal National Mortgage Association.
- H. Surety bonds, provided that:
 - 1. The surety bonds are in the standard format approved by the Colorado Division of Banking;
 - 2. The Colorado Division of Banking is designated as the beneficiary of the surety bond;
 - 3. The claims-paying ability of the issuer of the surety bond is rated, and remains rated in the highest rating category of A.M. Best, Moody's or Standard & Poor's or the highest rating category of another nationally-recognized rating agency acceptable to the Colorado Division of Banking;
 - 4. The issuer of the surety bond is licensed or qualified to do business in Colorado, and unaffiliated with the purchaser of the bond.
 - a. For the purposes of this subsection, Paragraph (G)(4), the definition of an affiliate is the same as the definition of affiliate found at Banking Board Rule CB 101.37(A)(2)(a);
 - 5. No issuer of the surety bonds may provide surety bonds for any one bank in an amount, net of reinsurance issued by companies authorized to sell insurance in Colorado, which exceeds ten percent of the surety bond issuer's capital and surplus as reported to the Colorado Division of Insurance;
 - 6. The issuer and the eligible public depository are required to notify the Colorado Division of Banking in writing 30 days prior to a bond's cancellation; and
 - 7. The issuer is required to send quarterly reports to the Colorado Division of Banking listing those Colorado eligible public depositories which have purchased a surety bond, as well as the insured dollar amounts in effect.
- I. Eligible collateral obligations or instruments shall not be in default in any respect.
- J. If, in the Colorado Division of Banking's opinion, a previously-pledged instrument is not safe and sound, the instrument shall no longer be deemed eligible collateral.
- K. References
 - 1. For more detailed information pertaining to these provisions, please contact the Colorado State Bank Commissioner at 1560 Broadway, Suite 975, Denver, Colorado 80202, (303) 894-7575.

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Office of the Attorney General

Tracking number: 2019-00221

Opinion of the Attorney General rendered in connection with the rules adopted by the

Division of Banking

on 07/18/2019

3 CCR 701-4

**RULES OF THE COLORADO STATE BANKING BOARD PERTAINING TO THE PUBLIC DEPOSIT
PROTECTION ACT**

The above-referenced rules were submitted to this office on 07/19/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:47:05

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Regulatory Agencies

Agency

Division of Banking

CCR number

3 CCR 701-4

Rule title

3 CCR 701-4 RULES OF THE COLORADO STATE BANKING BOARD PERTAINING
TO THE PUBLIC DEPOSIT PROTECTION ACT 1 - eff 09/14/2019

Effective date

09/14/2019

PDP8 Directors' Examination of Public Deposits. [Section 11-10.5-109(2), C.R.S.]

A. Qualifications for Independent Person(s) Assuming Responsibility for Due Care of Directors' Examinations of Public Deposits.

For the purposes of PDP8(A), the following meets the definition of an Independent Person:

- Independent accounting firm composed of certified public accountants
- The eligible public depository's holding company, so long as the department or individual(s) conducting the directors' examination is not responsible for performing PDPA tasks or the oversight of such tasks.
- A subsidiary of the parent company of an eligible public depository, so long as the department or individual(s) conducting the directors' examination is not responsible for performing PDPA tasks or the oversight of such tasks.

Persons approved by the Banking Board to conduct directors' examinations under C.R.S. 11-103- 502(3)(b) are also automatically approved to conduct directors' examinations of public deposits.

B. Scope of Public Deposit Directors' Examinations.

Directors' examinations of public deposits shall include the following:

1. The bank's total capital to risk-weighted asset ratio.
2. A review of the eligible public depository's trial balance reports or other records identifying all deposit accounts held by the bank to discover any public deposit accounts not previously identified as "public" or reported to the Division of Banking on the Monthly Public Depository Liability Report. This procedure is not required if the eligible public depository's most recent safety and soundness CAMEL rating was 1 or 2.
3. Verification that each piece of pledged collateral is of a type approved by the Banking Board as eligible collateral. Refer to Banking Board Rule PDP3 for eligible collateral list. This procedure is not required if the eligible public depository's most recent safety and soundness CAMEL rating was 1 or 2.
4. Verification that the eligible public depository is reporting monthly to the Division of Banking the current principal balance of each real estate loan, mortgage-backed pool security, and collateralized mortgage obligation pledged as collateral under the Public Deposit Protection Act. This procedure is not required if the eligible public depository's most recent safety and soundness CAMEL rating was 1 or 2.
5. Review of the bank's procedures and workpapers for calculating uninsured public deposits and verifying that sufficient collateral is pledged to protect those uninsured deposits at the minimum required level under Banking Board Rules PDP4 and PDP5. Acknowledgment that the bank has been pledging sufficient amounts of collateral.
6. Review of all collateral pledged under the Public Deposit Protection Act to identify any piece of pledged collateral that has been reported to be in jeopardy of default or any piece of pledged collateral that has been adversely classified by any regulatory agency examiner.

C. Frequency of the Directors' Examination.

The Directors' Examination addressing in detail the items under Banking Board Rule PDP8(B) shall be performed at least annually, but at intervals no more than fifteen months, by an independent person that meets the qualifications under Banking Board Rule PDP8(A).

D. Report to be Filed With the Colorado Division of Banking.

A copy of a report addressing in detail the items under Banking Board Rule PDP8(B) must be filed with the Colorado Division of Banking within one hundred fifty (150) days following the date of the directors' examination of public deposits.

PHILIP J. WEISER
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Tracking number: 2019-00223

Opinion of the Attorney General rendered in connection with the rules adopted by the

Division of Banking

on 07/18/2019

3 CCR 701-4

**RULES OF THE COLORADO STATE BANKING BOARD PERTAINING TO THE PUBLIC DEPOSIT
PROTECTION ACT**

The above-referenced rules were submitted to this office on 07/19/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:47:58

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Regulatory Agencies

Agency

Division of Professions and Occupations - Board of Architects, Engineers, and Land Surveyors

CCR number

4 CCR 730-1

Rule title

4 CCR 730-1 BYLAWS AND RULES OF THE STATE BOARD OF LICENSURE FOR ARCHITECTS, PROFESSIONAL ENGINEERS, AND PROFESSIONAL LAND SURVEYORS 1 - eff 09/14/2019

Effective date

09/14/2019

**Bylaws and Rules
of
The State Board of Licensure for Architects,
Professional Engineers and Professional Land Surveyors**

- 4.6.5 Short-Term Duration Employment Not Counted.** No engineering or land surveying experience of less than three months continuous duration with one employer shall be credited.
- 4.8.1 Applicants Must Receive Board Approval to Take an Examination.** No applicant may take the Architect Registration Examination or the State Specific Land Surveying Examination until the Board has established that the applicant is eligible for the examination. An applicant may be disallowed from taking or re-taking any of the licensing exams if there is evidence of socially unacceptable behavior (e.g. cheating, violence, or threats of violence or other disruptive behavior), in an exam setting.

PHILIP J. WEISER
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STATE OF COLORADO
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Office of the Attorney General

Tracking number: 2019-00257

Opinion of the Attorney General rendered in connection with the rules adopted by the
Division of Professions and Occupations - Board of Architects, Engineers, and Land Surveyors

on 08/09/2019

4 CCR 730-1

**BYLAWS AND RULES OF THE STATE BOARD OF LICENSURE FOR ARCHITECTS,
PROFESSIONAL ENGINEERS, AND PROFESSIONAL LAND SURVEYORS**

The above-referenced rules were submitted to this office on 08/09/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 15, 2019 09:58:31

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Public Health and Environment

Agency

Air Quality Control Commission

CCR number

5 CCR 1001-8

Rule title

5 CCR 1001-8 REGULATION NUMBER 6 STANDARDS OF PERFORMANCE FOR
NEW STATIONARY SOURCES 1 - eff 09/14/2019

Effective date

09/14/2019

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Air Quality Control Commission

REGULATION NUMBER 6

Standards of Performance for New Stationary Sources

5 CCR 1001-8

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

PART A

Federal Register Regulations Adopted by Reference

The regulations promulgated by the United States Environmental Protection Agency (EPA) listed below, found in Part 60, Chapter I, Title 40 and Part 75, Chapter 1, Title 40 of the Code of Federal Regulations (CFR) and in effect as of the dates indicated, but not including later amendments, were adopted by the Colorado Air Quality Control Commission and are hereby incorporated by reference. Copies of the material incorporated by reference are available for public inspection during regular business hours at the Office of the Commission, located at 4300 Cherry Creek Drive South, Denver, Colorado 80246-1530. Parties wishing to inspect these materials should contact the Technical Secretary of the Commission, located at the Office of the Commission. The material incorporated by reference is also available through the United States Government Printing Office, online at www.gpo.gov/fdsys.

All new sources of air pollution and all modified or reconstructed sources of air pollution shall comply with the standards, criteria, and requirements set forth herein. For the purpose of this regulation, the word "Administrator" as used in Part 60, Chapter I, Title 40, of the CFR shall mean the Colorado Air Pollution Control Division, except that in the sections in Table 1, "Administrator" shall mean both the Administrator of the Environmental Protection Agency or his authorized representative and the Colorado Air Pollution Control Division. For the purpose of this regulation, the word "Administrator" as used in Part 75, Chapter 1, Title 40, shall mean the Administrator of the Environmental Protection Agency or his authorized representative for everything except mercury monitoring, recordkeeping and reporting requirements (separately addressed in Part B, Section VIII. of this Regulation Number 6. Other deviations from these federal standards, as presented in the CFR and which the Colorado Air Quality Control Commission ordered, are noted in the affected Subpart, and/or included in Part B of the Regulation. Table 2 identifies Part 75, Chapter I, Title 40 of the CFR requirements incorporated by reference.

TABLE 1

40 CFR Part 60 Subpart*	Section(s)
A	60.8(b)(2) and (b)(3) and those sections throughout the standards that reference 60.8(b)(2) and (b)(3), 60.11(b) and (e).
Da	60.45a.
Ka	60.114a.
Kb	60.111b(f)(4), 60.114b, 60.116b (e)(3)(iii) and (e)(3)(iv), 60.116b(f)(2)(iii).

40 CFR Part 60 Subpart*		Section(s)
S	60.195(b).	
DD	60.302(d)(3).	
GG	60.332(a)(3), 60.335(a).	
VV	60.482-1(c)(2), 60.484.	
WW	60.493(b)(2)(i)(A), 60.496(a)(1).	
XX	60.502(e)(6).	
GGG	60.592(c).	
JJJ	60.623.	
KKK	60.634.	

*And any other section which 40 CFR Part 60 specifically states will not be delegated to the States.

Subpart A General Provisions. 40 CFR Part 60, Subpart A (July 1, 2018).

(See Part B of this Regulation Number 6 for Additional Requirements Regarding Modifications)

Subpart Cb Emission Guidelines and Compliance Times for Existing Sources: Municipal Waste Combustors That Are Constructed On or Before September 20, 1994. 40 CFR Part 60, Subpart Cb (July 1, 2018).

Subpart Cc Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills. 40 CFR Part 60, Subpart Cc (July 1, 2018).

For clarification regarding requirements applicable to existing municipal solid waste landfills, designated facilities as defined in 40 CFR Part 60, Section 60.32c which meet the condition in 40 CFR Part 60, Section 60.33c(a)(1) shall submit to the Division an initial design capacity report and an initial emission rate report in accordance with 40 CFR Part 60, Section 60.757 within 90 days of the effective date of this regulation. If the design capacity report reflects that the facility meets the condition in 40 CFR Part 60, Section 60.33c(a)(2) and the initial NMOC emission rate report reflects that the facility meets the condition in 40 CFR Part 60, Section 60.33c(a)(3), the facility shall comply with the collection and control system requirements in 40 CFR Part 60, Section 60.752(b)(2)(ii), applicable control device requirements in 40 CFR Part 60, Section 60.33c(c)(1), (2) and (3), test methods and procedures requirements in 40 CFR 60.754, operational standards in 40 CFR Part 60, Section 60.753, compliance provisions in 40 CFR Part 60, Section 60.755, monitoring provisions in 40 CFR Part 60, Section 60.756 and reporting and recordkeeping provisions in 40 CFR Part 60, Sections 60.757 and 60.758, respectively. Such facilities must complete installation of air emission collection and control equipment capable of meeting the requirements of this subpart no later than 30 months from the effective date of these requirements or the date on which the source becomes subject to this subpart pursuant to 40 CFR Part 60, Section 60.36c(b) (the date on which the condition in 60.33c(a)(3) is met (i.e., the date of the first annual report in which the non-methane organic compounds emission rate equals or exceeds 50 megagrams per year)), whichever occurs later. These facilities must submit a final collection and control system design plan pursuant to 40 CFR Part 60, Section 60.757(c) within one year of the effective date of these requirements, which must be reviewed and approved by the state. The final collection and control system design plan must specify: (1) the date by which contracts for control systems/process modifications shall be awarded, (which shall be no later

than 20 months after the effective date); (2) the date by which on-site construction or installation of the air pollution control device(s) or process changes will begin, (which shall be no later than 24 months after the effective date); and (3) the date by which the construction or installation of the air pollution control device(s) or process changes will be complete (which shall be no later than 30 months after the effective date).

In addition, the plan shall include site-specific design plans for the gas collection and control system(s). These facilities shall comply with the approved final collection and control system design plan and shall demonstrate compliance with these emission standards in accordance with 40 CFR Part 60, Section 60.8 not later than 180 days following initial startup of the collection and control system.

The Commission designates the effective date of Colorado's 111(d) plan, including the state emission standard for existing municipal solid waste landfills, as the date on which the EPA promulgates a final rule approving the state plan under Section 111(d) of the Clean Air Act.

Subpart Ce Emission Guidelines and Compliance Times for Hospital/Medical/Infectious Waste Incinerators. 40 CFR Part 60, Subpart Ce (July 1, 2018).

Designated facilities to which this subpart applies must comply with the minimum requirements in Subpart Ce, as provided in Colorado's 111(d) plan for Existing Hospital/Medical/Infectious Waste Incinerators. Colorado's 111(d) plan for Hospital/Medical/Infectious Waste Incinerators will be submitted to EPA once approved by the Commission and is effective once approved by EPA in 40 CFR Part 62, Subpart G.

Specifically, designated facilities are defined in Section 60.32e and additional definitions are specified in Section 60.31e. Designated facilities must comply with applicable emission limits as provided in Sections 60.33e(a)(1)-(3), (b)(1)-(2), and (c)(1)-(2). Designated facilities must comply with applicable operating training and qualification requirements as specified in Section 60.34e (referencing 40 CFR Part 60 Subpart Ec Section 60.53c). Designated facilities must comply with applicable waste management plan requirements as specified in Section 60.35e (referencing 40 CFR Part 60 Subpart Ec Section 60.55c). Designated facilities must comply with applicable inspection requirements as specified in Section 60.36e(a)(1)-(2), (b), (c)(1)-(2), and (d). Designated facilities must comply with applicable compliance and performance testing requirements as specified in Sections 60.37e(a) (referencing 40 CFR Part 60 Subpart Ec Section 60.56c) or (a)(1)-(2), (b) (referencing 40 CFR Part 60 Subpart Ec Section 60.56c) or (b)(1)-(2), and (c)(1)-(4). Designated facilities must comply with applicable monitoring requirements as specified in Sections 60.37e(d) (referencing 40 CFR Part 60 Subpart Ec Section 60.57c), (e)(1)-(3), and (f). Designated facilities must comply with applicable notification and recordkeeping requirements as specified in Sections 60.32e(b)(1)-(2) and (c)(1)-(3). Designated facilities must comply with applicable reporting and recordkeeping requirements as specified in Sections 60.38e(a) (referencing 40 CFR Part 60 Subpart Ec Section 60.58c(b)-(g)) or (a)(1)-(2) and (b)(1)-(2). Designated facilities must comply with applicable compliance times as specified in Section 60.39e.

The Commission designates the effective date of Colorado's 111(d) plan as the date on which the EPA promulgates a final rule in 40 CFR Part 62, Subpart G approving the state plan under Section 111(d) of the Clean Air Act. The compliance schedule for designated facilities can be found in Colorado's 111(d) plan for Existing Hospital/Medical/Infectious Waste Incinerators. Colorado's 111(d) plan for Existing Hospital/Medical/Infectious Waste Incinerators was adopted May 18, 2017, and is obtainable from the Commission Office.

Subpart Cf Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills. 40 CFR Part 60, Subpart Cf (July 1, 2018).

Designated facilities to which this subpart applies must comply with the minimum requirements in Subpart Cf as provided in Colorado's 111(d) plan for Municipal Solid Waste Landfills. Colorado's 111(d) plan for Existing Municipal Solid Waste Landfills will be submitted to EPA once approved by the Commission and is effective once approved by EPA in 40 CFR Part 62, Subpart G.

Specifically, designated facilities are defined in Section 60.31f and additional definitions are specified in Section 60.41f. Designated facilities must comply with applicable emission limits for designated facilities specified in Section 60.33f. Designated facilities must comply with applicable operational standards for collection and control systems as specified in Section 60.34f. Designated facilities must comply with applicable test methods and procedures and compliance requirements as specified in Sections 60.35f-60.36f. Designated facilities must comply with applicable monitoring requirements as specified in Section 60.37f. Designated facilities must comply with applicable reporting and recordkeeping requirements as specified in Sections 60.38f-60.39f. Designated facilities must comply with applicable requirements for active collective systems as specified in Section 60.40f.

The Commission designates the effective date of Colorado's 111(d) plan as the date on which the EPA promulgates a final rule in 40 CFR Part 62, Subpart G approving the state plan under Section 111(d) of the Clean Air Act. The compliance schedule for designated facilities can be found in Colorado's 111(d) plan for Existing Municipal Solid Waste Landfills. Colorado's 111(d) plan for Existing Municipal Solid Waste Landfills was adopted May 18, 2017, and is obtainable from Commission Office.

Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for which Construction is Commenced after August 17, 1971. 40 CFR Part 60, Subpart D (July 1, 2018).

Subpart Da Standards of Performance for Electric Utility Steam Generators for which Construction is Commenced after September 18, 1978. 40 CFR Part 60, Subpart Da (July 1, 2018).

(See Regulation Number 6, Part B, Section VIII. and Regulation Number 8, Part E, Subpart UUUUU for additional requirements regarding Electric Utility Steam Generating Units)

Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. 40 CFR Part 60, Subpart Db (July 1, 2018).

(See Part B, Section III.D. of this Regulation Number 6 for Additional Requirements)

Subpart Dc Standards of Performance for Small Industrial-Commercial- Institutional Steam Generating Units. 40 CFR Part 60, Subpart Dc (July 1, 2018).

Subpart E Standards of Performance for Incinerators. 40 CFR Part 60, Subpart E (July 1, 2018).

(See Part B, Sections V, VI and VII of this Regulation Number 6 for Additional Requirements)

Subpart Ea Standards of Performance for Municipal Waste Combustors For Which Construction Is Commenced After December 20, 1989 and On or Before September 20, 1994. 40 CFR Part 60, Subpart Ea (July 1, 2018).

Subpart Eb Standards of Performance for Municipal Waste Combustors For Which Construction Is Commenced After September 20, 1994. 40 CFR Part 60, Subpart Eb (July 1, 2018).

(See Part B, Section VI of this Regulation Number 6 for Additional Requirements)

Subpart Ec Standards of Performance for Hospital/Medical/Infectious Waste Incinerators for Which Construction is Commenced After June 20, 1996. 40 CFR Part 60, Subpart Ec (July 1, 2018).

(See Part B, Section V of this Regulation Number 6 for Additional Requirements)

- Subpart F Standards of Performance for Portland Cement Plants. 40 CFR Part 60, Subpart F (July 1, 2018).
- Subpart G Standards of Performance for Nitric Acid Plants. 40 CFR Part 60, Subpart G (July 1, 2018).
- Subpart Ga Standards of Performance for Nitric Acid Plants for Which Construction, Reconstruction, or Modification Commenced After October 14, 2011. 40 CFR Part 60, Subpart Ga (July 1, 2018).
- Subpart H Standards of Performance for Sulfuric Acid Plants. 40 CFR Part 60, Subpart H (July 1, 2018).
- Subpart I Standards of Performance for Hot Mix Asphalt Facilities. 40 CFR Part 60, Subpart I (July 1, 2018).
- Subpart J Standards of Performance for Petroleum Refineries. 40 CFR Part 60, Subpart J (July 1, 2018).
- Subpart Ja Standards of Performance for Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007. 40 CFR Part 60, Subpart Ja (July 1, 2018), as amended November 11, 2018 (83 FR 60696).
- Subpart K Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after June 11, 1973 and prior to May 19, 1978. 40 CFR Part 60, Subpart K (July 1, 2018).
- Subpart Ka Standards of Performance for Storage Vessels for Petroleum Liquids Constructed after May 18, 1978, and prior to July 23, 1984. 40 CFR Part 60, Subpart Ka (July 1, 2018).
- Subpart Kb Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984. 40 CFR Part 60, Subpart Kb (July 1, 2018).
- Subpart L Standards of Performance for Secondary Lead Smelters. 40 CFR Part 60, Subpart L (July 1, 2018).
- Subpart M Standards of Performance for Secondary Brass and Bronze Production Plants. 40 CFR Part 60, Subpart M (July 1, 2018).
- Subpart N Standards of Performance for Iron and Steel Plants. 40 CFR Part 60, Subpart N (July 1, 2018).
- Subpart Na Standards of Performance for Basic Oxygen Process Furnaces. 40 CFR Part 60, Subpart Na (July 1, 2018).
- Subpart O Standards of Performance for Sewage Treatment Plants. 40 CFR Part 60, Subpart O (July 1, 2018).
- Subpart P Standards of Performance for Primary Copper Smelters. 40 CFR Part 60, Subpart P (July 1, 2018).
- Subpart Q Standards of Performance for Primary Zinc Smelters. 40 CFR Part 60, Subpart Q (July 1, 2018).

- Subpart R Standards of Performance for Primary Lead Smelters. 40 CFR Part 60, Subpart R (July 1, 2018).
- Subpart S Standards of Performance for Primary Aluminum Reduction Plants. 40 CFR Part 60, Subpart S (July 1, 2018).
- Subpart T Standards of Performance for the Phosphate Fertilizer Industry: Wet-Process Phosphoric Acid Plants. 40 CFR Part 60, Subpart T (July 1, 2018).
- Subpart U Standards of Performance for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants. 40 CFR Part 60, Subpart U (July 1, 2018).
- Subpart V Standards of Performance for the Phosphate Fertilizer Industry: Diammonium Phosphate Plants. 40 CFR Part 60, Subpart V (July 1, 2018).
- Subpart W Standards of Performance for the Phosphate Fertilizer Industry: Triple Superphosphate Plants. 40 CFR Part 60, Subpart W (July 1, 2018).
- Subpart X Standards of Performance for the Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities. 40 CFR Part 60, Subpart X (July 1, 2018).
- Subpart Y Standards of Performance for Coal Preparation Plants. 40 CFR Part 60, Subpart Y (July 1, 2018).
- Subpart Z Standards of Performance for Ferroalloy Production Facilities. 40 CFR Part 60, Subpart Z (July 1, 2018).
- Subpart AA Standards of Performance for Steel Plants: Electric Arc Furnaces Constructed after October 21, 1974, and on or before August 17, 1983. 40 CFR Part 60, Subpart AA (July 1, 2018).
- Subpart AAa Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed after August 17, 1983. 40 CFR Part 60, Subpart AAa (July 1, 2018).
- Subpart BB Standards of Performance for Kraft Pulp Mills. 40 CFR Part 60, Subpart BB (July 1, 2018).
- Subpart BBa Standards of Performance for Kraft Pulp Mill Affected Sources for Which Construction, Reconstruction, or Modification Commenced After May 23, 2013. 40 CFR Part 60, Subpart BBa (July 1, 2018)
- Subpart CC Standards of Performance for Glass Manufacturing Plants. 40 CFR Part 60, Subpart CC (July 1, 2018).
- Subpart DD Standards of Performance for Grain Elevators. 40 CFR Part 60, Subpart DD (July 1, 2018).
- Subpart EE Standards of Performance for Surface Coating of Metal Furniture. 40 CFR Part 60, Subpart EE (July 1, 2018).
- Subpart GG Standards of Performance for Stationary Gas Turbines. 40 CFR Part 60, Subpart GG (July 1, 2018).

(See Subpart KKKK of this Regulation Number 6 for additional requirements for Stationary Combustion Turbines)

Subpart HH Standards of Performance for Lime Manufacturing Plants. 40 CFR Part 60, Subpart HH (July 1, 2018).

Subpart KK Standards of Performance for Lead-Acid Battery Manufacturing Plants. 40 CFR Part 60, Subpart KK (July 1, 2018).

Subpart LL Standards of Performance for Metallic Mineral Processing Plants. 40 CFR Part 60, Subpart LL (July 1, 2018).

Subpart MM Standards of Performance for Automobile and Light-Duty Truck Surface Coating Operations. 40 CFR Part 60, Subpart MM (July 1, 2018).

Subpart NN Standards of Performance for Phosphate Rock Plants. 40 CFR Part 60, Subpart NN (July 1, 2018).

Subpart PP Standards of Performance for Ammonium Sulfate Manufacture. 40 CFR Part 60, Subpart PP (July 1, 2018).

Subpart QQ Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing. 40 CFR Part 60, Subpart QQ (July 1, 2018).

Subpart RR Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations. 40 CFR Part 60, Subpart RR (July 1, 2018).

Subpart SS Standards of Performance for Industrial Surface Coating: Large Appliances. 40 CFR Part 60, Subpart SS (July 1, 2018).

Subpart TT Standards of Performance for Metal Coil Surface Coating. 40 CFR Part 60, Subpart TT (July 1, 2018).

Subpart UU Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture. 40 CFR Part 60, Subpart UU (July 1, 2018).

Subpart VV Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction or Modification Commenced after January 5, 1981, and on or Before November 7, 2006. 40 CFR Part 60, Subpart VV (July 1, 2018).

Subpart VVa Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction or Modification Commenced after November 7, 2006. 40 CFR Part 60, Subpart VVa (July 1, 2018).

Subpart WW Standards of Performance for the Beverage Can Surface Coating Industry. 40 CFR Part 60, Subpart WW (July 1, 2018).

Subpart XX Standards of Performance for Bulk Gasoline Terminals. 40 CFR Part 60, Subpart XX (July 1, 2018).

Subpart BBB Standards of Performance for the Rubber Tire Manufacturing Industry. 40 CFR Part 60, Subpart BBB (July 1, 2018).

Subpart DDD Standards of Performance for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry. 40 CFR Part 60, Subpart DDD (July 1, 2018).

Subpart FFF Standards of Performance for Flexible Vinyl and Urethane Coating and Printing. 40 CFR Part 60, Subpart FFF (July 1, 2018).

Subpart GGG Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and On or Before November 7, 2006. 40 CFR Part 60, Subpart GGG (July 1, 2018).

Subpart GGGa Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commences After November 7, 2006. 40 CFR Part 60, Subpart GGGa (July 1, 2018).

Subpart HHH Standards of Performance for Synthetic Fiber Production Facilities. 40 CFR Part 60, Subpart HHH (July 1, 2018).

Subpart III Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes. 40 CFR Part 60, Subpart III (July 1, 2018).

Subpart JJJ Standards of Performance for Petroleum Dry Cleaners. 40 CFR Part 60, Subpart JJJ (July 1, 2018).

Subpart KKK Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plants. 40 CFR Part 60, Subpart KKK (July 1, 2018).

Subpart LLL Standards of Performance for Onshore Natural Gas Processing: SO₂ Emissions. 40 CFR Part 60, Subpart LLL (July 1, 2018).

Subpart NNN Standards of Performance for Volatile Organic Compound Emissions from Synthetic Organic Chemical Manufacturing Industry Distillation Operations. 40 CFR Part 60, Subpart NNN (July 1, 2018).

Subpart OOO Standards of Performance for Nonmetallic Mineral Processing Plants. 40 CFR Part 60, Subpart OOO (July 1, 2018).

Subpart PPP Standards of Performance for Wool Fiberglass Insulation Manufacturing Plants. 40 CFR Part 60, Subpart PPP (July 1, 2018).

Subpart QQQ Standards of Performance for VOC Emissions from Petroleum Refinery Wastewater Systems. 40 CFR Part 60, Subpart QQQ (July 1, 2018).

Subpart RRR Standards of Performance for Volatile Organic Compounds (VOC) Emissions from Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes. 40 CFR Part 60, Subpart RRR (July 1, 2018).

Subpart SSS Standards of Performance for the Magnetic Tape Manufacturing Industry. 40 CFR Part 60, Subpart SSS (July 1, 2018).

Subpart TTT Standards of Performance for Industrial Surface Coating of Plastic Parts for Business Machines. 40 CFR Part 60, Subpart TTT (July 1, 2018).

Subpart UUU Standards of Performance for Calciners and Dryers in Mineral Industries. 40 CFR Part 60, Subpart UUU (July 1, 2018).

Subpart VVV Standards of Performance for Polymeric Coating of Supporting Substrates. 40 CFR Part 60, Subpart VVV (July 1, 2018).

Subpart WWW Standards of Performance for Municipal Solid Waste Landfills. 40 CFR Part 60, Subpart WWW (July 1, 2018).

Subpart AAAA Standards of Performance for Small Municipal Waste Combustion Units for which Construction is Commenced after August 30, 1999 or for which Modification or Reconstruction is Commenced after June 6, 2001. 40 CFR Part 60, Subpart AAAA (July 1, 2018).

Subpart CCCC Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for which Construction is Commenced after November 30, 1999 or for which Modification or Reconstruction is Commenced on or after June 1, 2001. 40 CFR Part 60, Subpart CCCC (July 1, 2018).

Subpart DDDD Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction On or Before November 30, 1999. 40 CFR Part 60, Subpart DDDD (July 1, 2018).

Designated facilities to which this subpart applies must comply with the minimum requirements in Subpart DDDD as provided in Colorado's 111(d) plan for Existing Commercial and Industrial Solid Waste Incineration Units. Colorado's 111(d) plan for Existing Commercial and Industrial Solid Waste Incineration Units will be submitted to EPA once approved by the Commission and is effective once approved by EPA in 40 CFR Part 62, Subpart G.

Specifically, designated facilities are defined in Sections 60.2550 and 60.2555 and additional definitions are specified in Section 60.2875. Designated facilities must comply with applicable emission and operating limits for designated facilities as specified in Sections 60.2670-60.2680. Designated facilities must comply with applicable operator training and qualification requirements as specified in Sections 60.2635-60.2665. Designated facilities must comply with applicable waste management plan requirements as specified in Section 60.2620 and specified in Sections 60.2625 and 60.2630. Designated facilities must comply with applicable performance testing requirements as specified in Sections 60.2690-60.2695. Designated facilities must comply with applicable compliance requirements as specified in Sections 60.2700-60.2725. Designated facilities must comply with applicable monitoring requirements as specified in Sections 60.2730-60.2735. Designated facilities must comply with applicable notification and recordkeeping requirements as specified in Sections 60.2555(a)(1)-(2), (e)(1)-(4), and (f)(1)-(4). Designated facilities must comply with applicable reporting and recordkeeping requirements as specified in Sections 60.2740-60.2800. Designated facilities must comply with applicable air curtain incinerator requirements as specified in Sections 60.2810-60.2870. Designated facilities must comply with applicable compliance times as specified in Section 60.2535.

The Commission designates the effective date of Colorado's 111(d) plan as the date on which the EPA promulgates a final rule in 40 CFR Part 62, Subpart G approving the state plan under Section 111(d) of the Clean Air Act. The compliance schedule for designated facilities can be found in Colorado's 111(d) plan for Existing Commercial and Industrial Solid Waste Incineration Units. Colorado's 111(d) plan for Existing Commercial and Industrial Solid Waste Incineration Units was adopted May 18, 2017, and is obtainable from the Commission Office).

Subpart EEEE Standards of Performance for Other Solid Waste Incineration Units for which Construction is Commenced after December 9, 2004 or for which Modification or Reconstruction is Commenced on or after June 16, 2006. 40 CFR Part 60, Subpart EEEE (July 1, 2018).

Subpart FFFF Emission Guidelines and Compliance Times for Other Solid Waste Incineration Units that Commenced Construction on or before December 9, 2004. 40 CFR Part 60, Subpart FFFF, Sections 60.2991 through 60.2994, 60.3000 through 60.3078, and Tables 1-5 (July 1, 2018).

Subpart HHHH Emission Guidelines and Compliance Times for Coal-Fired Electric Steam Generating Units. Repealed: This rule was vacated by the February 8, 2008 D.C. Circuit Court of Appeals decision.

Subpart IIII Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. 40 CFR Part 60, Subpart IIII, excluding the 100-hour emergency exemption in subsection 60.4211(f)(2)(ii)-(iii) pursuant to the court's decision in *Delaware Dept. of Natural Res. & Env't'l Control, et al. v. EPA*, 785 F. 3d 1 (DC Cir. 2015) (July 1, 2018).

Subpart KKKK Standards of Performance for Stationary Combustion Turbines. 40 CFR Part 60, Subpart KKKK (July 1, 2018).

(See Subpart GG for additional requirements for Stationary Gas Turbines)

Subpart LLLL Standards of Performance for New Sewage Sludge Incineration Unit. 40 CFR Part 60, Subpart LLLL (July 1, 2018).

Subpart MMMM Emission Guidelines and Compliance Times for Existing Sewage Sludge Incineration Units. 40 CFR Part 60, Subpart MMMM (July 1, 2018).

Subpart OOOO Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution. 40 CFR Part 60, Subpart OOOO, (July 1, 2018).

APPENDIX A to Part 60 Test Methods. 40 CFR Part 60 (July 1, 2018).

APPENDIX B to Part 60 Performance Specifications. 40 CFR Part 60 (July 1, 2018),

APPENDIX C to Part 60 Determination of Emission Rate Change. 40 CFR Part 60 (July 1, 2018).

APPENDIX D to Part 60 Required Emission Inventory Information. 40 CFR Part 60 (July 1, 2018).

APPENDIX F to Part 60 Quality Assurance Procedures. 40 CFR Part 60 (July 1, 2018).

APPENDIX I to Part 60 Removable Label and Owner's Manual. 40 CFR Part 60 (July 1, 2018).

TABLE 2

40 CFR Part 75 Subpart**	Section(s)
A	75.1-75.8
B	75.10-75.19
C	75.20-75.24
D	75.30-75.39
E	75.40-75.48
F	75.50-75.59
G	75.60-75.67

relating to new stationary sources, for the development of an effective air quality control program. Further, Section 25-7-106(6) authorizes the Commission to require testing, monitoring, and recordkeeping.

Purpose

Updating citation references of 40 C.F.R. Part 60 allows the Division to implement and enforce the Emission Guidelines and Compliance Times for applicable source categories.

Adoption of the rules will not impose additional requirements upon sources beyond the minimum required by federal law and may benefit the regulated community by providing sources with up-to-date information and regulatory certainty.

Further, these revisions will correct any typographical, grammatical and formatting errors found within the regulation.

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Attorney General
NATALIE HANLON LEH
Chief Deputy Attorney General
ERIC R. OLSON
Solicitor General
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Office of the Attorney General

Tracking number: 2019-00173

Opinion of the Attorney General rendered in connection with the rules adopted by the

Air Quality Control Commission

on 07/18/2019

5 CCR 1001-8

REGULATION NUMBER 6 STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

The above-referenced rules were submitted to this office on 07/18/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:43:59

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Public Health and Environment

Agency

Air Quality Control Commission

CCR number

5 CCR 1001-10

Rule title

5 CCR 1001-10 REGULATION NUMBER 8 CONTROL OF HAZARDOUS AIR
POLLUTANTS 1 - eff 09/14/2019

Effective date

09/14/2019

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Air Quality Control Commission

REGULATION NUMBER 8

Control of Hazardous Air Pollutants

5 CCR 1001-10

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

PART A Federal NESHAPs

I. Federal NESHAPs

The provisions of Part 61, Chapter I, Title 40, of the Code of Federal Regulations (CFR), promulgated by the U.S. Environmental Protection Agency listed in this section are hereby incorporated by reference by the Air Quality Control Commission and made a part of the Colorado Air Quality Control Commission Regulations. Materials incorporated by reference are those in existence as of the dates indicated and do not include later amendments. The material incorporated by reference is available for public inspection during regular business hours at the Office of the Commission, located at 4300 Cherry Creek Drive South, Denver, Colorado 80246. Parties wishing to inspect these materials should contact the Technical Secretary of the Commission, located at the Office of the Commission. The material incorporated by reference is also available through the United States Government Printing Office, online at www.gpo.gov/fdsys.

All new sources of air pollution and all modified or reconstructed sources of air pollution shall comply with the standards, criteria, and requirements set forth herein. For the purpose of this regulation "Administrator" shall mean both the Administrator of the Environmental Protection Agency or his/her authorized representative and the Colorado Air Pollution Control Division.

Subpart A General Provisions 40 C.F.R. Part 61 (July 1, 2018).

Subpart B Repealed – Reserved for National Emission Standards for Radon Emissions from Underground Uranium Mines 40 C.F.R. Part 61.

Subpart C National Emission Standard for Beryllium 40 C.F.R. Part 61 (July 1, 2018).

Subpart D National Emission Standard for Beryllium Rocket Motor Firing 40 C.F.R. Part 61 (July 1, 2018).

Subpart E National Emission Standard for Mercury 40 C.F.R. Part 61 (July 1, 2018).

Subpart F National Emission Standard for Vinyl Chloride 40 C.F.R. Part 61 (July 1, 2018).

Subpart H Repealed – Reserved for National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities 40 C.F.R. Part 61.

Subpart J National Emission Standard for Equipment leaks (fugitive Emission sources) of Benzene 40 C.F.R. Part 61 (July 1, 2018).

Subpart K Repealed – Reserved for National Emission Standards for Radionuclide Emissions from Elemental Phosphorous Plants 40 C.F.R. Part 61.

Subpart L National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants 40 C.F.R. Part 61 (July 1, 2018).

Subpart N National Emission Standard for Inorganic Arsenic Emissions from Glass Manufacturing Plants 40 C.F.R. Part 61 (July 1, 2018).

Subpart O National Emission Standard for Inorganic Arsenic Emissions from Primary Copper Smelters 40 C.F.R. Part 61 (July 1, 2018).

Subpart P National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities 40 C.F.R. Part 61 (July 1, 2018).

Subpart Q Repealed – Reserved for National Emission Standards for Radon Emissions From Department of Energy Facilities 40 C.F.R. Part 61.

Subpart R Repealed – Reserved for National Emission Standards for Radon Emissions from Phosphogypsum Stacks, 40 C.F.R. Part 61.

Subpart T Repealed – Reserved for National Emission Standards for Radon Emissions from the Disposal of Uranium Mill Tailings 40 C.F.R. Part 61.

Subpart V National Emission Standard for Equipment Leaks (Fugitive Emission Sources) 40 C.F.R. Part 61 (July 1, 2018).

Subpart W Repealed – Reserved for National Emission Standards for Radon Emissions from Operating Mill Tailings 40 C.F.R. Part 61.

Subpart Y National Emission Standard for Benzene Emissions from Benzene Storage Vessels 40 C.F.R. Part 61 (July 1, 2018).

Subpart BB National Emission Standard for Benzene Emissions from Benzene Transfer Operations 40 C.F.R. Part 61 (July 1, 2018).

Subpart FF National Emission Standard for Benzene Waste Operations 40 C.F.R. Part 61 (July 1, 2018).

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II. Statements of Basis, Specific Statutory Authority and Purpose for Part A

II.Q. Adopted July 18, 2019

Incorporation by reference of federal standards in 40 C.F.R. Part 61 into Regulation Number 8, Part A.

Background

This Statement of Basis, Specific Statutory Authority, and Purpose complies with the requirements of the Colorado Administrative Procedures Act, C.R.S., Sections 24-4-103(4) and -103(12.5) for adopted or modified regulations, and with the requirements of regulations incorporated by reference; the Colorado Air Pollution Prevention and Control Act, Sections 25-7-

110 and 25-7-110.5, C.R.S.; and the Air Quality Control Commission's ("Commission") Procedural Rules.

Basis

The State of Colorado is required under Section 112 of the Clean Air Act to adopt revisions to and new standards under 40 C.F.R. Part 61 into its regulations. This rulemaking amends the incorporation dates of subparts already incorporated by reference.

Specific Statutory Authority

Sections 25-7-105(1)(b) and 25-7-109(2)(h) and 109(4), C.R.S. authorize the Commission to adopt emission control regulations and emission control regulations relating to hazardous air pollutants, specifically.

Purpose

Adoption of federal amendments to standards in 40 C.F.R. Part 61 make revisions enforceable under Colorado law. Further, these revisions may include corrections of any typographical, grammatical, and formatting errors throughout the regulation.

>>>>>>>>>>

PART E Federal Maximum Achievable Control Technology (MACT)

I. General Provisions

The provisions of Part 63, Chapter I, Title 40, of the Code of Federal Regulations (CFR), promulgated by the U.S. Environmental Protection Agency listed in this section are hereby incorporated by reference by the Air Quality Control Commission and made a part of the Colorado Air Quality Control Commission Regulations. Materials incorporated by reference are those in existence as of the dates indicated and do not include later amendments. The material incorporated by reference is available for public inspection during regular business hours at the Office of the Commission, located at 4300 Cherry Creek Drive South, Denver, Colorado 80246. Parties wishing to inspect these materials should contact the Technical Secretary of the Commission, located at the Office of the Commission. The material incorporated by reference is also available through the United States Government Printing Office, online at www.gpo.gov/fdsys.

For the purpose of this section of this regulation, the word "Administrator" as used in the C.F.R. shall mean the Colorado Air Pollution Control Division. References to 40 CFR part 70 or operating permit issuance shall relate to the Colorado Operating Permit program contained in Colorado Regulation No. 3, Parts A and C. Operating permits issued under these general provisions shall be issued by the Colorado Air Pollution Control Division under Colorado Regulation No. 3, Parts A and C. The phrases "HAP", "HAPs" or "listed HAPs" shall mean those substances listed in Colorado Regulation No. 3, Appendix B.

Subpart A National Emission Standards for Hazardous Air Pollutants for Source Categories:
General Provisions, 40 CFR Part 63 (July 1, 2018).

For the purpose of this subpart A, the term "performance track member" shall mean a stationary source that is a member of both the U.S. Environmental Protection Agency's National Environmental Performance Track and the Colorado Department of Public Health and Environment's Environmental Leadership Program at the gold-level or higher.

II. Reserved

III. Federal Maximum Achievable Control Technology

The regulations promulgated by the U. S. Environmental Protection Agency listed in this section are hereby incorporated by reference by the Air Quality Control Commission and made a part of the Colorado Air Quality Control Commission Regulations. Materials incorporated by reference are those in existence as of the dates indicated and do not include later amendments. The material incorporated by reference is available for public inspection during regular business hours at the Office of the Commission, located at 4300 Cherry Creek Drive South, Denver, Colorado 80246, or may be examined at any state publications depository library. Parties wishing to inspect these materials should contact the Technical Secretary of the Commission, located at the Office of the Commission.

"Administrator" as used in the C. F. R. shall mean the Colorado Air Pollution Control Division.

Subpart F National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry, 40 C. F. R. Part 63, Subparts F (July 1, 2018).

Subpart G National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater, 40 C. F. R. Part 63, Subparts G (July 1, 2018).

Subpart H National Emission Standards for Organic Hazardous Air Pollutants for Equipment Leaks, 40 C. F. R. Part 63, Subparts H (July 1, 2018).

Subpart I National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks, 40 C. F. R. Part 63, Subparts I (July 1, 2018).

Subpart J National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production, 40 C.F.R. Part 63, Subpart J (July 1, 2018).

Subpart M National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities, 40 C. F. R. Part 63, Subpart M (July 1, 2018). The owner or operator of any source required pursuant to 40 C.F.R. Part 63, Subpart M to obtain a Regulation No. 3, Part C Operating Permit, if not a major source or located at a major source as that term is defined at 40 C.F.R. Part 70.2, is permanently exempted from submitting an application for such permit as of December 19, 2005 (70 FR 75319).

Subpart N National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, 40 C.F.R. Part 63, Subpart N (July 1, 2018). The owner or operator of any source required pursuant to 40 C.F.R. Part 63, Subpart N to obtain a Regulation No. 3, Part C Operating Permit, if not a major source or located at a major source as that term is defined at 40 C.F.R. Part 70.2, is permanently exempted from submitting an application for such permit as of December 19, 2005 (70 FR 75319).

Subpart O National Emission Standards for Hazardous Air Pollutants for Ethylene Oxide Sterilization and Fumigation Operations, 40 C.F.R. Part 63, Subpart O (July 1, 2018). The owner or operator of any source required pursuant to 40 C.F.R. Part 63, Subpart O to obtain a Regulation No. 3, Part C Operating Permit, if not a major source or located at a major source as that term is defined at 40 C.F.R. Part 70.2, is permanently exempted from submitting an application for such permit as of December 19, 2005 (70 FR 75319).

Subpart Q National Emissions Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers, 40 C.F.R. Part 63, Subpart Q (July 1, 2018).

- Subpart R National Emission Standards for Hazardous Air Pollutants for Source Categories: Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations), 40 C.F.R. Part 63, Subpart R (July 1, 2018).
- Subpart S National Emission Standards for Hazardous Air Pollutants for Source Category: Pulp and Paper Production, 40 C.F.R. Part 63, Subpart S (July 1, 2018).
- Subpart T National Emission Standards for Hazardous Air Pollutants: Halogenated Solvent Cleaning, 40 C.F.R. Part 63, Subpart T (July 1, 2018). The owner or operator of any source required pursuant to 40 C.F.R. Part 63, Subpart T to obtain a Regulation No. 3, Part C Operating Permit, if not a major source or located at a major source as that term is defined at 40 C.F.R. Part 70.2, is permanently exempted from submitting an application for such permit as of December 19, 2005 (70 FR 75319).
- Subpart U National Emission Standards for Hazardous Air Pollutants: Group 1 Polymers and Resins, 40 C.F.R. Part 63, Subpart U (July 1, 2018).
- Subpart W National Emissions Standards for Hazardous Air Pollutants: Epoxy Resins Production and Non-Nylon Polyamides Production, 40 C.F.R. Part 63, Subpart W (July 1, 2018).
- Subpart X National Emissions Standards for Hazardous Air Pollutants from Secondary Lead Smelting, 40 C.F.R. Part 63, Subpart X (July 1, 2018). The owner or operator of any source required pursuant to 40 C.F.R. Part 63, Subpart X to obtain a Regulation No. 3, Part C Operating Permit, if not a major source or located at a major source as that term is defined at 40 C.F.R. Part 70.2, is deferred from submitting an application for such permit until December 9, 2005.
- Subpart AA National Emission Standards for Hazardous Air Pollutants for Source Category: Phosphoric Acid Manufacturing, 40 C.F.R. Part 63, Subpart AA (July 1, 2018).
- Subpart BB National Emission Standards for Hazardous Air Pollutants for Phosphate Fertilizers Production, 40 C.F.R. Part 63, Subpart BB (July 1, 2018).
- Subpart CC National Emission Standards for Hazardous Air Pollutants: Petroleum Refineries, 40 C.F.R. Part 63, Subpart CC (July 1, 2018), as amended November 26, 2018 (83 FR 60696).
- Subpart DD National Emission Standards for Hazardous Air Pollutants: Off-Site Waste and Recovery Operations, 40 C.F.R. Part 63, Subpart DD (July 1, 2018).
- Subpart EE National Emission Standards for Hazardous Air Pollutants Final Standards for Hazardous Air Pollutant Emissions from Magnetic Tape Manufacturing Operations, 40 C.F.R. Part 63, Subpart EE (July 1, 2018).
- Subpart GG National Emission Standards for Hazardous Air Pollutants for Source Categories: Aerospace Manufacturing and Rework Facilities, 40 C.F.R. Part 63, Subpart GG (July 1, 2018).
- Subpart HH National Emission Standards for Hazardous Air Pollutants for Source Category: Oil and Natural Gas Production and Natural Gas Transmission and Storage, 40 C.F.R. Part 63, Subparts HH (July 1, 2018).
- Subpart II National Emission Standards for Hazardous Air Pollutants: Shipbuilding and Ship Repair, 40 C.F.R. Part 63, Subpart II (July 1, 2018).

- Subpart JJ National Emission Standards for Hazardous Air Pollutants: Wood Furniture Manufacturing Operations, 40 C.F.R. Part 63, Subpart JJ (July 1, 2018).
- Subpart KK National Emission Standards for Hazardous Air Pollutants: Printing and Publishing Industry, 40 C.F.R. Part 63, Subpart KK (July 1, 2018).
- Subpart LL National Emission Standards for Hazardous Air Pollutants for Source Category: Primary Aluminum Reduction Plants, 40 C.F.R. Part 63, Subpart LL (July 1, 2018).
- Subpart MM National Emission Standards for Hazardous Air Pollutants for Source Category: Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-alone Semi-chemical Pulp Mills, 40 C.F.R. Part 63, Subpart MM (July 1, 2018).
- Subpart OO National Emission Standards for Tanks - Level 1, 40 C.F.R., Part 63, Subpart OO (July 1, 2018).
- Subpart PP National Emission Standards for Containers, 40 C.F.R., Part 63, Subpart PP (July 1, 2018).
- Subpart XX National Emission Standards for Ethylene Manufacturing Process Units: Heat Exchange Systems and Waste Operations, 40 C.F.R. Part 63, Subpart XX (July 1, 2018).
- Subpart YY National Emission Standards for Hazardous Air Pollutants for Source Category: Generic Maximum Achievable Control Technology Standard for Acetal Resins Production, Acrylic and Modacrylic Fiber Production, Hydrogen Fluoride Production, and Polycarbonate(s) Production, 40 C.F.R. Part 63, Subpart YY (July 1, 2018).
- Subpart CCC National Emission Standards for Hazardous Air Pollutants for Source Category: Steel Pickling-HCL Process Facilities and Hydrochloric Acid Regeneration Plants, 40 C.F.R. Part 63, Subpart CCC (July 1, 2018).
- Subpart DDD National Emission Standards for Hazardous Air Pollutants for Source Category: Mineral Wool Production, 40 C.F.R. Part 63, Subpart DDD (July 1, 2018).
- Subpart EEE National Emission Standards for Hazardous Air Pollutants for Source Category: Hazardous Waste Combustors, 40 C.F.R. Part 63, Subpart EEE (July 1, 2018).
- Subpart GGG National Emission Standards for Hazardous Air Pollutants for Source Category: Pharmaceuticals Production, 40 C.F.R. Part 63, Subpart GGG (July 1, 2018).
- Subpart HHH National Emission Standards for Hazardous Air Pollutants for Source Category: Oil and Natural Gas Production and Natural Gas Transmission and Storage, 40 C.F.R. Part 63, Subparts HHH (July 1, 2018).
- Subpart III National Emission Standards for Hazardous Air Pollutants for Source Category: Flexible Polyurethane Foam Production, 40 C.F.R. Part 63, Subpart III (July 1, 2018).
- Subpart JJJ National Emission Standards for Hazardous Air Pollutants: Group IV Polymers and Resins, 40 C.F.R. Part 63, Subpart JJJ (July 1, 2018).
- Subpart LLL National Emission Standards for Hazardous Air Pollutants for Source Category: Portland Cement Manufacturing, 40 C.F.R. Part 63, Subpart LLL (July 1, 2018)., as amended July 25, 2018 (83 FR 35122).

Subpart MMM National Emission Standards for Hazardous Air Pollutants for Source Category: Pesticide Active Ingredient Production, 40 C.F.R. Part 63, Subpart MMM (July 1, 2018).

Subpart NNN National Emission Standards for Hazardous Air Pollutants for Source Category: Wool Fiberglass Manufacturing, 40 C.F.R. Part 63, Subpart NNN (July 1, 2018).

Subpart OOO National Emission Standards for Hazardous Air Pollutants for Source Category: Amino/Phenolic Resins Production, 40 C.F.R. Part 63, Subpart OOO (July 1, 2018).

Subpart PPP National Emission Standards for Hazardous Air Pollutants for Source Category: Polyether Polyols Production, 40 C.F.R. Part 63, Subpart PPP (July 1, 2018).

Subpart QQQ National Emission Standards for Hazardous Air Pollutants for Primary Copper, 40 C.F.R. Part 63, Subpart QQQ (July 1, 2018).

Subpart RRR National Emission Standards for Hazardous Air Pollutants for Source Category: Secondary Aluminum Production, 40 C.F.R. Part 63, Subpart RRR (July 1, 2007). The owner or operator of any source required pursuant to 40 C.F.R. Part 63, Subpart RRR to obtain a Regulation No. 3., Part C Operating Permit, if not a major source or located at a major source as that term is defined at 40 C.F.R. Part 70.2, is permanently exempted from submitting an application for such permit as of December 19, 2005 (70 FR 75319).

Subpart TTT National Emission Standards for Hazardous Air Pollutants for Source Category: Primary Lead Smelting, 40 C.F.R. Part 63, Subpart TTT (July 1, 2018).

Subpart UUU National Emission Standards for Hazardous Air Pollutants for Catalytic Cracking Units, Catalytic Reforming Units and Sulfur Plants at Petroleum Refineries, 40 C.F.R. Part 63, Subpart UUU (July 1, 2018).

Subpart VVV National Emission Standards for Hazardous Air Pollutants for Source Category: Publicly Owned Treatment Works, 40 C.F.R. Part 63, Subpart VVV (July 1, 2018).

Subpart XXX National Emission Standards for Hazardous Air Pollutants for Source Category: Ferroalloys Production: Ferromanganese and Silicomanganese, 40 C.F.R. Part 63, Subpart XXX (July 1, 2018).

Subpart AAAA National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills, 40 C.F.R. Part 63, Subpart AAAA (July 1, 2018).

Subpart CCCC National Emission Standards for Hazardous Air Pollutants for Source Category: Manufacturing of Nutritional Yeast, 40 C.F.R. Part 63, Subpart CCCC (July 1, 2018).

Subpart DDDD National Emissions Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 C.F.R. Part 63, Subpart DDDD (July 1, 2018).

Subpart EEEE National Emissions Standards for Hazardous Air Pollutants: Organic Liquids Distribution (Non-Gasoline), 40 C.F.R. Part 63, Subpart EEEE (July 1, 2018).

Subpart FFFF National Emissions Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing, 40 C.F.R. Part 63, Subpart FFFF (July 1, 2018).

Subpart GGGG National Emission Standards for Hazardous Air Pollutants for Source Category: Solvent Extraction for Vegetable Oil Production, 40 C.F.R. Part 63, Subpart GGGG (July 1, 2018).

Subpart HHHH National Emission Standards for Hazardous Air Pollutants for Wet Formed Fiberglass Mat Production, 40 C.F.R. Part 63, Subpart HHHH (July 1, 2018), as amended February 28, 2019 (*84 FR 6676*).

Subpart IIII National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks, 40 C.F.R. Part 63, Subpart IIII (July 1, 2018).

Subpart JJJJ National Emission Standards for Hazardous Air Pollutants for Paper and Other Web Coating, 40 C.F.R. Part 63, Subpart JJJJ (July 1, 2018).

Subpart KKKK National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans, 40 C.F.R. Part 63, Subpart KKKK (July 1, 2018).

Subpart MMMM National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products, 40 C.F.R. Part 63, Subpart MMMM (July 1, 2018).

Subpart NNNN National Emission Standards for Hazardous Air Pollutants for Large Appliance Manufacturing, 40 C.F.R. Part 63, Subpart NNNN (July 1, 2018).

Subpart OOOO National Emission Standards for Hazardous Air Pollutants for Printing, Coating, and Dyeing of Fabrics and Other Textiles, 40 C.F.R. Part 63, Subpart OOOO (July 1, 2018).

Subpart PPPP National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products, 40 C.F.R. Part 63, Subpart PPPP (July 1, 2018).

Subpart QQQQ National Emission Standards for Hazardous Air Pollutants for Surface Coating of Wood Building Products, 40 C.F.R. Part 63, Subpart QQQQ (July 1, 2018), as amended March 4, 2019 (*84 FR 7682*).

Subpart RRRR National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Furniture, 40 C.F.R. Part 63, Subpart RRRR (July 1, 2018).

Subpart SSSS National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Coil, 40 C.F.R. Part 63, Subpart SSSS (July 1, 2018).

Subpart TTTT National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations, 40 C.F.R. Part 63, Subpart TTTT (July 1, 2018).

Subpart UUUU National Emission Standards for Hazardous Air Pollutants for Cellulose Production Manufacturing, 40 C.F.R. Part 63, Subpart UUUU (July 1, 2018).

Subpart VVVV National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing, 40 C.F.R. Part 63, Subpart VVVV (July 1, 2018).

Subpart WWWW National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production, 40 C.F.R. Part 63, Subpart WWWW (July 1, 2018).

Subpart XXXX National Emission Standards for Hazardous Air Pollutants for Tire Manufacturing, 40 C.F.R. Part 63, Subpart XXXX (July 1, 2018).

Subpart YYYY National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines, 40 C.F.R. Part 63, Subpart YYYY (July 1, 2018).

Subpart ZZZZ National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 C.F.R. Part 63, Subpart ZZZZ (July 1, 2007).

Subpart AAAAA National Emissions Standards for Hazardous Air Pollutants for Lime Manufacturing Plants, 40 C.F.R. Part 63, Subpart AAAAA (July 1, 2018).

Subpart BBBBB National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing, 40 C.F.R. Part 63, Subpart BBBBB (July 1, 2018).

Subpart CCCCC National Emission Standards for Hazardous Air Pollutants for Coke Ovens: Pushing, Quenching, and Battery Stacks, 40 C.F.R. Part 63, Subpart CCCCC (July 1, 2018).

Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 C.F.R. Part 63, Subpart DDDDD (July 1, 2018).

Subpart EEEEE National Emissions Standards for Hazardous Air Pollutants for Iron and Steel Foundries, 40 C.F.R. Part 63, Subpart EEEEE (July 1, 2018).

Subpart FFFFF National Emission Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing, 40 C.F.R. Part 63, Subpart FFFFF (July 1, 2018).

Subpart GGGGG National Emission Standards for Hazardous Air Pollutants: Site Remediation, 40 C.F.R. Part 63, Subpart GGGGG (July 1, 2018).

Subpart HHHHH National Emissions Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing, 40 C.F.R. Part 63, Subpart HHHHH (July 1, 2018).

Subpart IIIII National Emissions Standards for Hazardous Air Pollutants: Mercury Emissions from Mercury Cell Chlor-Alkali Plants, 40 C.F.R. Part 63, Subpart IIIII (July 1, 2018).

Subpart JJJJJ National Emission Standards for Hazardous Air Pollutants for Brick and Structural Clay Manufacturing, 40 C.F.R. Part 63, Subpart JJJJJ (July 1, 2018).

Subpart KKKKK National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing, 40 C.F.R. Part 63, Subpart KKKKK (July 1, 2018).

Subpart LLLLL National Emission Standards for Hazardous Air Pollutants for Asphalt Processing and Asphalt Roofing Manufacturing, 40 C.F.R. Part 63, Subpart LLLLL (July 1, 2018).

Subpart MMMMM National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Fabrication, 40 C.F.R. Part 63, Subpart MMMMM (July 1, 2018).

Subpart NNNNN National Emission Standards for Hazardous Air Pollutants for Hydrochloric Acid Production, 40 C.F.R. Part 63, Subpart NNNNN (July 1, 2018).

Subpart PPPPP National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Standards, 40 C.F.R. Part 63, Subpart PPPPP (July 1, 2018).

Subpart QQQQQ National Emission Standards for Hazardous Air Pollutants for Friction Materials Manufacturing Facilities, 40 C.F.R. Part 63, Subpart QQQQQ (July 1, 2018), as amended February 2, 2019 (84 FR 2742).

Subpart RRRRR National Emission Standards for Hazardous Air Pollutants: Taconite Iron Ore Processing, 40 C.F.R. Part 63, Subpart RRRRR (July 1, 2018).

Subpart SSSSS National Emission Standards for Hazardous Air Pollutants for Refractory Products Manufacturing, 40 C.F.R. Part 63, Subpart SSSSS (July 1, 2018).

Subpart TTTTT National Emissions Standards for Hazardous Air Pollutants for Primary Magnesium Refining, 40 C.F.R. Part 63, Subpart TTTTT (July 1, 2018).

Subpart UUUUU National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units, 40 C.F.R. Part 63, Subpart UUUUU (July 1, 2018).

(See Regulation Number 6, Part A, Subpart Da and Part B, Section VIII. for additional requirements regarding Electric Utility Steam Generating Units)

Subpart WWWW National Emission Standards for Hospital Ethylene Oxide Sterilizers, 40 C.F.R. Part 63, Subpart WWWW (July 1, 2018).

Subpart YYYYY National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities, 40 C.F.R. Part 63, Subpart YYYYY (July 1, 2018).

Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Iron and Steel Foundries Area Sources, 40 C.F.R. Part 63, Subpart ZZZZ (July 1, 2018).

Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production Area Sources, 40 C.F.R. Part 63, Subpart DDDDD (July 1, 2018).

Subpart EEEEE National Emission Standards for Hazardous Air Pollutants for Primary Copper Smelting Area Sources, 40 C.F.R. Part 63, Subpart EEEEE (July 1, 2018).

Subpart FFFFF National Emission Standards for Hazardous Air Pollutants: Secondary Copper Smelting, 40 C.F.R. Part 63, Subpart FFFFF (July 1, 2018).

Subpart GGGGG National Emission Standards for Hazardous Air Pollutants for Area Sources: Primary Nonferrous Metals: Zinc, Cadmium, and Beryllium, 40 C.F.R. Part 63, Subpart GGGGG (July 1, 2018).

Subpart LLLLL National Emission Standards for Hazardous Air Pollutants for area sources: Acrylic and Modacrylic Fibers Production, 40 C.F.R. Part 63, Subpart LLLLL (July 1, 2018).

Subpart MMMMM National Emission Standards for Hazardous Air Pollutants for area sources: Carbon Black Production, 40 C.F.R. Part 63, Subpart MMMMM (July 1, 2018).

Subpart NNNNN National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing area sources: Chromium Compounds, 40 C.F.R. Part 63, Subpart NNNNN (July 1, 2018).

Subpart OOOOO National Emission Standards for Hazardous Air Pollutants for area sources: Flexible Polyurethane Foam Production and Fabrication, 40 C.F.R. Part 63, Subpart OOOOO (July 1, 2018).

Further, these revisions may correct typographical, grammatical, and formatting errors throughout the regulation.

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Tracking number: 2019-00174

Opinion of the Attorney General rendered in connection with the rules adopted by the

Air Quality Control Commission

on 07/18/2019

5 CCR 1001-10

REGULATION NUMBER 8 CONTROL OF HAZARDOUS AIR POLLUTANTS

The above-referenced rules were submitted to this office on 07/18/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:44:48

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Permanent Rules Adopted

Department

Department of Public Health and Environment

Agency

Air Quality Control Commission

CCR number

5 CCR 1001-25

Rule title

5 CCR 1001-25 Control of Volatile Organic Compounds from Consumer Products and Architectural and Industrial Maintenance Coatings 1 - eff 09/14/2019

Effective date

09/14/2019

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Air Quality Control Commission

REGULATION NUMBER 21

Control of Volatile Organic Compounds from Consumer Products and Architectural and Industrial Maintenance Coatings

5 CCR 1001-25

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

Outline of Regulation

PART A CONCERNING CONSUMER PRODUCTS

PART B CONCERNING ARCHITECTURAL AND INDUSTRIAL MAINTENANCE COATINGS

PART C STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY, AND PURPOSE

Pursuant to Colorado Revised Statutes Section 24-4-103(12.5), materials incorporated by reference are available for public inspection during normal business hours or copies may be obtained at a reasonable cost from the Air Quality Control Commission (Commission), 4300 Cherry Creek Drive South, Denver, Colorado 80246-1530. The material incorporated by reference may also be available through the United States Government Printing Office, online at www.govinfo.gov. Materials incorporated by reference are those editions in existence as of the date indicated and do not include any later amendments.

PART A CONCERNING CONSUMER PRODUCTS

I. Applicability

I.A. This part applies to any person who sells, supplies, offers for sale, distributes for sale, or manufactures for sale consumer products in

I.A.1. The 8-hour Ozone Control Area.

I.A.2. (State Only) Colorado. As marked by (State Only), the requirements are not federally enforceable.

I.B. This part does not apply to

I.B.1. Consumer products manufactured in Colorado solely for shipment and use outside of Colorado.

I.B.2. Consumer products that do not comply with the VOC limits in Table 1 as long as the manufacturer or distributor can demonstrate both that the consumer product is intended for shipment and use outside of Colorado and that the manufacturer or distributor has taken reasonable prudent precautions to assure that the consumer product is not distributed to Colorado. Section I.B.2. does not apply to consumer products that are sold, supplied, or offered for sale by any person to retail outlets in Colorado.

- I.B.3. Consumer products that have been granted an Innovative Product exemption by the California Air Resources Board (CARB) under the Innovative Products provisions in Subchapter 8.5, Article 2, Section 94511 (January 2019) or Subchapter 8.5, Article 1, Section 94503.5 (January 2019) of Title 17 of the California Code of Regulations are exempt from the VOC content limits in Table 1 for the period of time during which the CARB Innovative Products exemption remains in effect.
- I.B.4. Consumer products that have been granted an Alternative Control Plan (ACP) by the CARB under the provisions in Subchapter 8.5, Article 4, Sections 94540-94555 (January 2019) of Title 17 of the California Code of Regulations are exempt from the VOC content limits in Table 1 for the period of time during which the CARB ACP agreement remains in effect. Aerosol adhesives, adhesive removers, electronic cleaners, electrical cleaners, energized electrical cleaners, and contact adhesives granted an ACP must be labeled with the term “ACP” or “ACP product” if the product exceeds the applicable VOC limit specified in Table 1. Any manufacturer claiming an ACP agreement must make a copy of the ACP decision available to the Division upon request.
- I.B.5. Consumer products that have been granted a variance by CARB under the Variances provisions in Subchapter 8.5, Article 2, Section 94514 (January 2019) of Title 17 are exempt from complying with the VOC limits established in Table 1 for the period of time during which the variance remains in effect. Any person claiming a variance must make a copy of the variance available to the Division upon request.

II. Standards

- II.A. On or after May 1, 2020, no person can manufacture for sale in Colorado any consumer product with a VOC content in excess of the VOC limit specified in Table 1.
- II.B. No person can sell, supply, offer for sale, or distribute for sale in Colorado any consumer product that is manufactured on or after May 1, 2020, with a VOC content in excess of the VOC limit specified in Table 1.
- II.C. On or after May 1, 2021, no person can manufacture for sale in Colorado any consumer product registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA; 7 USC Section 136-136y (1996)) in excess of the VOC limits in Table 1.
- II.D. No person can sell, supply, offer for sale, or distribute for sale in Colorado any consumer product registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA; 7 USC Section 136-136y (1996)) and manufactured on or after May 1, 2021, with a VOC content in excess of the VOC limits in Table 1.
- II.E. Effective May 1, 2020, and until May 1, 2021, no person can manufacture for sale, sell, supply, or offer for sale any flammable or extremely flammable, as labeled or meeting the criteria in Title 16 CFR Section 1500.3(c)(6) (February 27, 2018), paint thinner or multi-purpose solvent labeled as a clean-up solvent or paint clean-up product unless the product is clearly and prominently labeled with
 - II.E.1. “DANGER,” “WARNING,” or “CAUTION” and “Formulated to meet California VOC limits; see warnings on label”; or

- II.E.2. The common name of the chemical compound (e.g., acetone, methyl acetate, etc.) that results in the product meeting the criteria for flammable or extremely flammable.
- II.F. Charcoal lighter material products must be issued a certification in accordance with Subchapter 8.5, Article 2, Section 94509(h) (January 1, 2019) of Title 17 of the California Code of Regulations.
- II.G. For consumer products for which the label, packaging, or accompanying literature specifically states that the product should be diluted with water or non-VOC solvent prior to use, the limits specified in Table 1 apply to the product only after the minimum recommended dilution has taken place. For purposes of this part, "minimum recommended dilution" does not include recommendations for incidental use of a concentrated product to deal with limited special applications such as hard to remove soils or stains.
- II.H. For consumer products for which the label, packaging, or accompanying literature states that the product should be diluted with any VOC solvent prior to use, the limits specified in Table 1 apply to the product only after the maximum recommended dilution has taken place.
- II.I. For consumer products for which the label, packaging, or accompanying literature indicates that the product may be used, or is suitable for use, as a consumer product for which a lower VOC limit is specified in Table 1, then the lowest VOC limit applies. This requirement does not apply to general purpose cleaners, antiperspirant/deodorant products, insecticide foggers, or aerosol lawn and garden insecticides claiming to kill insects or other arthropods.
- II.J. Consumer products specified in Table 1 cannot contain any of the following
 - II.J.1. CFC-11 (trichlorofluoromethane).
 - II.J.2. CFC-12 (dichlorodifluoromethane).
 - II.J.3. CFC-113 (1,1,1-trichloro-2,2,2-trifluoroethane).
 - II.J.4. CFC-114 (1-chloro-1,1-difluoro-2-chloro-2,2-difluoroethane).
 - II.J.5. CFC-115 (chloropentafluoroethane).
 - II.J.6. Halon 1211 (bromochlorodifluoromethane).
 - II.J.7. Halon 1301 (bromotrifluoromethane).
 - II.J.8. Halon 2402 (dibromotetrafluoroethane).
 - II.J.9. HCFC-22 (chlorodifluoromethane).
 - II.J.10. HCFC-123 (2,2-dichloro-1,1,1-trifluoroethane).
 - II.J.11. HCFC-124 (2-chloro-1,1,1,2-tetrafluoroethane).
 - II.J.12. HCFC-141b (1,1-dichloro-1-fluoroethane).
 - II.J.13. HCFC-142b (1-chloro-1,1-difluoroethane).

- II.J.14. 1,1,1-trichloroethane.
- II.J.15. Carbon tetrachloride.
- II.K. The following consumer products cannot contain trichloroethylene in a combined amount greater than 0.01 percent by weight (i.e., an impurity)
 - II.K.1. Adhesive removers.
 - II.K.2. Aerosol adhesives.
 - II.K.3. Bathroom and tile cleaners.
 - II.K.4. Contact adhesives.
 - II.K.5. Construction, panel, floor covering adhesives.
 - II.K.6. Electrical cleaners.
 - II.K.7. Electronic cleaners.
 - II.K.8. Electronic cleaners labeled as energized electronic equipment use only.
 - II.K.9. Footwear or leather care products.
 - II.K.10. General purpose cleaners.
 - II.K.11. General purpose degreasers.
 - II.K.12. Graffiti removers.
 - II.K.13. Multi-purpose solvent.
 - II.K.14. Oven or grill cleaners.
 - II.K.15. Paint thinners.
- II.L. The medium volatility organic compound (MVOC) content specified for antiperspirants or deodorants does not apply to ethanol.
- II.M. Paint thinners and multi-purpose solvents cannot contain greater than one percent (1%) aromatic compound content by weight.
- II.N. The VOC content limits in Table 1 do not apply to
 - II.N.1. Any LVP-VOC.
 - II.N.2. Fragrances up to a combined level of 2 percent by weight.
 - II.N.3. Colorants up to a combined level of 2 percent by weight in any antiperspirant or deodorant.
 - II.N.4. VOCs in antiperspirants or deodorants that contain more than 10 carbon atoms per molecule and for which the vapor pressure is unknown or 2 mm Hg or less at 20°C.

- II.N.5. Air fresheners that are comprised entirely of fragrance, less compounds exempt from the definition of VOC.
- II.N.6. Adhesives sold in containers of 1 fluid ounce or less.
- II.N.7. Bait station insecticides designed to be ingested by insects, composed of solid material feeding stimulants with less than 5 percent active ingredients, and in containers less than or equal to 0.5 ounce by weight.
- II.N.8. Solid air fresheners, insecticides, and toilet/urinal care products containing at least 98% para-dichlorobenzene.

Table 1 – VOC content limits for consumer products manufactured on or after May 1, 2020	
Product category	VOC content limit (percent VOCs by weight)
Adhesive removers	
* Floor or wall covering	5
* Gasket or thread locking	50
* General purpose	20
* Specialty	70
Adhesives	
* Aerosol mist spray	65
* Aerosol web spray	55
* Specialty purpose spray adhesive – mounting, automotive engine compartment, and flexible vinyl	70
* Specialty purpose spray adhesive – polystyrene foam and automotive headliner	65
* Specialty purpose spray adhesive – polyolefin and laminate repair/edgebanding	60
* Construction, panel, and floor covering contact	7
* Contact general purpose	55
* Contact special purpose	80

* General purpose	10
* Structural waterproof	15
Air fresheners	
* Single-phase aerosol	30
* Double-phase aerosol	25
* Dual purpose air freshener/disinfectant aerosol	60
* Liquid/pump sprays	18
* Solids/semisolids	3
Antiperspirants	
* Aerosol	40 HVOC, 10 MVOC
* Non-aerosol	0 HVOC, 0 MVOC
Anti-static product	
* Aerosol	80
* Non-aerosol	11
Automotive rubbing or polishing compound	17
Automotive wax, polish, sealant, or glaze	
* Hard paste waxes	45
* Instant detailers	3
* All other forms	15
Automotive windshield cleaner	35
Automotive windshield washer fluids	35
Bathroom and tile cleaners	
* Aerosol	7
* Non-aerosol	1
Brake cleaner	10
Bug and tar remover	40

Carburetor or fuel-injection air intake cleaners	10
Carpet and upholstery cleaners	
* Aerosol	7
* Non-aerosol (dilutables)	0.1
* Non-aerosol (ready-to-use)	3
Charcoal lighter material	See Section II.F.
Cooking spray, aerosol	18
Deodorants	
* Aerosol	0 HVOC, 10 MVOC
* Non-aerosol	0 HVOC, 0 MVOC
Disinfectant	
* Aerosol	70
* Non-aerosol	1
Dusting aids	
* Aerosol	25
* Non-aerosol	7
Electrical cleaner	45
Electronic cleaner	75
Engine degreasers	
* Aerosol	10
* Non-aerosol	5
Fabric protectants	60
Fabric refresher	
* Aerosol	15
* Non-aerosol	6
Floor polishes or waxes	

* Resilient flooring materials	1
* Non-resilient flooring materials	1
* Wood floor wax	90
Footwear or leather care products	
* Aerosol	75
* Solid	55
* Other forms	15
Furniture maintenance products	
* Aerosol	17
* Non-aerosol (except solid or paste)	3
General purpose cleaners	
* Aerosol	8
* Non-aerosol	4
General purpose degreasers	
* Aerosol	10
* Non-aerosol	4
Glass cleaners	
* Aerosol	12
* Non-aerosol	4
Graffiti remover	
* Aerosol	50
* Non-aerosol	30
Hair mousses	6
Hairshines	55
Hairsprays	55
Hair styling products	

* Aerosol and pump sprays	6
* All other forms	2
Heavy-duty hand cleaner or soap	8
Insecticides	
* Crawling bug, aerosol	15
* Crawling bug, all other forms	20
* Flea and tick	25
* Flying bug, aerosol	25
* Flying bug, all other forms	35
* Foggers	45
* Lawn and garden, non-aerosol	3
* Lawn and garden, all other forms	20
* Wasp and hornet	40
Laundry prewash	
* Aerosols/solids	22
* All other forms	5
Laundry starch/sizing/fabric finish products	4.5
Metal polishes/cleansers	30
Multi-purpose lubricant (excluding solid or semi-solid products)	50
Multi-purpose solvent	3
Nail polish remover	1
Non-selective terrestrial herbicide, non-aerosols	3
Oven or grill cleaners	
* Aerosol	8
* Non-aerosol	4
Paint remover or strippers	50

Paint thinner	3
Penetrants	50
Rubber/vinyl protectants	
* Aerosol	10
* Non-aerosol	3
Sanitizer	
* Aerosol	70
* Non-aerosol	1
Sealants and caulking compounds	4
Shaving creams	5
Shaving gel	4
Silicone-based multi-purpose lubricants (excluding solid or semi-solid products)	60
Spot removers	
* Aerosol	25
* Non-aerosol	8
Temporary hair color, aerosol	55
Tire sealants and inflators	20
Toilet/urinal care	
* Aerosol	10
* Non-aerosol	3
Undercoatings, aerosol	40
Wood cleaner	
* Aerosol	17
* Non-aerosol	4

III. Container labeling

III.A. The manufacturer of any consumer product subject to a VOC limit in Table 1, except products registered under the Federal Insecticide, Fungicide, and Rodenticide Act

(FIFRA; 7 U.S.C. Section 136-136y) (1996) and products containing VOCs at 0.10 percent by weight or less, must clearly display on the container or package the date the product was manufactured or a date code representing the date of manufacture. The date or date code must be displayed on the container such that it is readily observable without removing or disassembling any portion of the product container or packaging.

- III.B. If the label on a special purpose spray adhesive indicates that the product is suitable for use on any substrate or application not listed in the definition for special purpose spray adhesive, the product must be classified as either a web spray adhesive or mist spray adhesive and meet the associated limit in Table 1.
- III.C. The label on non-aerosol floor wax strippers must specify a dilution ratio for light or medium build-up of polish that results in an as-used VOC concentration of 3 percent by weight or less. The label on a non-aerosol floor wax stripper that is also intended to be used for removal of heavy build-up of polish that results must specify a dilution ratio for heavy build-up of polish that results in an as-used VOC concentration of 12 percent by weight or less.
- III.D. The label on energized electrical cleaners must clearly display "Energized equipment use only. Not to be used for motorized vehicle maintenance or their parts."
- III.E. The label on zinc rich primers must clearly display "for professional use only," "for industrial use only," or "not for residential use" or "not intended for residential use."
- III.F. The label on aerosol adhesives, adhesive removers, electronic cleaners, electrical cleaners, energized electrical cleaners, and contact adhesive products must clearly display
 - III.F.1. The product category.
 - III.F.2. The applicable VOC standard for the product, except energized electrical cleaners, as a percentage by weight.
 - III.F.3. For special purpose spray adhesives, the applicable substrate and/or application that qualifies the product as special purpose.

IV. Reporting

- IV.A. Manufacturers of a solid air freshener, insecticide, or toilet/urinal care consumer product that contains at least 98% para-dichlorobenzene must maintain records necessary to demonstrate the para-dichlorobenzene content. These records must be maintained for a minimum of three (3) years and made available to the Division within 90 days after written notice.
- IV.B. Manufacturers of consumer products that have been granted an Innovative Product exemption must maintain records necessary to demonstrate that the exemption applies and remains in effect. These records must be maintained for a minimum of three (3) years and made available to the Division within 90 days after written notice.
- IV.C. Manufacturers of consumer products that have been granted an Alternative Control Plan agreement must maintain records necessary to demonstrate that the agreement applies and during what time period the agreement was in effect. These records must be maintained for a minimum of three (3) years and made available to the Division within 90 days after written notice.

- IV.D. Upon 90 days written notice, the Division may require any responsible party to report any of the following information for any consumer product subject to a VOC limit in Table 1. If the responsible party does not have or does not provide the information requested by the Division, the Division may require the reporting of this information by the person that has the information, including, but not limited to, any formulator, manufacturer, supplier, parent company, private labeler, distributor, or repackager.
- IV.D.1. The company name of the responsible party, address, telephone number, and designated contact person.
- IV.D.2. Any claim of confidentiality made pursuant to Colorado requirements.
- IV.D.3. The consumer product brand name for each consumer product, product label, and product category to which the consumer product belongs.
- IV.D.4. The applicable product form(s) listed separately.
- IV.D.5. An identification of each product brand name and form as a "Household Product," "I&I Product," or both.
- IV.D.6. Colorado sales in pounds per year, to the nearest pound, and the method used to calculate Colorado sales for each consumer product.
- IV.D.7. For information submitted by multiple companies, an identification of each company which is submitting relevant data separate from that submitted by the responsible party.
- IV.D.8. For each consumer product brand name, the identity, including the specific chemical name and associated Chemical Abstract Services (CAS) number, of
- IV.D.8.a. Each Table B compound.
- IV.D.8.b. Each LVP-VOC that is not a fragrance.
- IV.D.9. For each consumer product brand name, the net percent by weight of the total product, less container and packaging, rounded to the nearest one-tenth of a percent, for each of the following
- IV.D.9.a. Total Table B compounds.
- IV.D.9.b. Total LVP-VOCs that are not fragrances.
- IV.D.9.c. Total all other carbon-containing compounds that are not fragrances.
- IV.D.9.d. Total fragrance.
- IV.D.9.e. For consumer products containing greater than two percent by weight fragrance, the percent of fragrance that are LVP-VOCs and the percent of fragrance that are all other carbon-containing compounds.
- IV.D.9.f. Total all non-carbon-containing compounds.
- IV.D.9.g. Total para-dichlorobenzene.

- IV.D.10. The type of propellant (e.g., Type A, Type B, or a blend of the different types) and weight percent comprised of propellant for each consumer product, if applicable.
- IV.D.11. The net percent by weight of each ozone-depleting compound listed in Section II.J. and contained in any amount greater than 0.1 percent by weight, if applicable.
- IV.D.12. Documentation that the consumer product meets the applicable VOC content limit specified in Table 1.
- IV.D.13. Documentation explaining the date portion of the date code indicating the date of manufacture.

V. Test methods

- V.A. Testing to determine compliance with the requirements of this part, except for charcoal lighter material products (see Section II.F.), may be performed using CARB Method 310, Determination of Volatile Organic Compounds (VOC) in Consumer Products, adopted September 25, 1997, and as last amended on December 31, 2018, or through calculation of the VOC content from records of the amounts of constituents used to make the product if
 - V.A.1. The manufacturer keeps accurate records for each day of production of the amount and chemical composition of the individual product constituents. Records must be maintained for three (3) years and made available to the Division upon request; and
 - V.A.2. VOC content is calculated according to the following equation:
$$\text{VOC content} = ((B-C)/A) \times 100$$

Where

A = total net weight of unit (excluding container and packaging)

B = total weight of all VOCs, per unit

C = total weight of VOCs exempted under Section II.N., per unit
 - V.A.3. If product records are contradicted by product testing performed using CARB Method 310, the results of CARB Method 310 take precedence.
- V.B. Testing to determine whether a product is a liquid or solid must be performed using ASTM D4359-90(2000)e1 "Standard Test Method for Determining Whether a Material Is a Liquid or a Solid" (2012).

VI. Definitions

- VI.A. "8-Hour Ozone Control Area" means the Counties of Adams, Arapahoe, Boulder (includes part of Rocky Mountain National Park), Douglas, and Jefferson; the Cities and Counties of Denver and Broomfield; and the following portions of the Counties of Larimer and Weld:

- VI.A.1. For Larimer County (includes part of Rocky Mountain National Park), that portion of the county that lies south of a line described as follows: Beginning at a point on Larimer County's eastern boundary and Weld County's western boundary intersected by 40 degrees, 42 minutes, and 47.1 seconds north latitude, proceed west to a point defined by the intersection of 40 degrees, 42 minutes, 47.1 seconds north latitude and 105 degrees, 29 minutes, and 40.0 seconds west longitude, thence proceed south on 105 degrees, 29 minutes, 40.0 seconds west longitude to the intersection with 40 degrees, 33 minutes and 17.4 seconds north latitude, thence proceed west on 40 degrees, 33 minutes, 17.4 seconds north latitude until this line intersects Larimer County's western boundary and Grand County's eastern boundary.
- VI.A.2. For Weld County, that portion of the county that lies south of a line described as follows: Beginning at a point on Weld County's eastern boundary and Logan County's western boundary intersected by 40 degrees, 42 minutes, 47.1 seconds north latitude, proceed west on 40 degrees, 42 minutes, 47.1 seconds north latitude until this line intersects Weld County's western boundary and Larimer County's eastern boundary.
- VI.B. "Adhesive" means any product that is used to bond one surface to another by attachment. Adhesive does not include products used on humans and animals, adhesive tape, contact paper, wallpaper, shelf liners, or any other product with an adhesive incorporated onto or in an inert substrate.
- VI.C. "Adhesive remover" means a product designed to remove adhesive from either a specific substrate or a variety of substrates but does not include products that remove adhesives intended exclusively for use on humans or animals. For the purposes of this definition, adhesive means a substance used to bond one or more materials including, but not limited to, caulks, sealants, glues, or similar substances used for the purpose of forming a bond.
- VI.C.1. "Floor and wall covering adhesive remover" means a product designed or labeled to remove floor or wall coverings and associated adhesive from the underlying substrate.
- VI.C.2. "Gasket or thread locking adhesive remover" means a product designed or labeled to remove gaskets or thread locking adhesives. Gasket or thread locking adhesive remover includes products labeled for dual use as a paint stripper and gasket remover and/or thread locking adhesive remover.
- VI.C.3. "General purpose adhesive remover" means a product designed or labeled to remove cyanoacrylate adhesives as well as non-reactive adhesives or residues from a variety of substrates. General purpose adhesive remover includes, but is not limited to, products that remove thermoplastic adhesives; pressure sensitive adhesives; dextrin or starch based adhesives; casein glues; rubber or latex-based adhesives; and stickers, decals, stencils, or similar materials. General purpose adhesive remover does not include floor or wall covering adhesive remover.
- VI.C.4. "Specialty adhesive remover" means a product designed to remove reactive adhesives from a variety of substrates. Reactive adhesives include adhesives that require a hardener or catalyst in order for the bond to occur such as, but not limited to, epoxies, urethanes, and silicones. Specialty adhesive remover does not include gasket or thread locking adhesive remover.

- VI.D. "Aerosol adhesive" means an aerosol product in which the spray mechanism is permanently housed in a non-refillable can designed for hand-held application of adhesive without the need for ancillary hoses or spray equipment. Aerosol adhesives include special purpose spray adhesive, mist spray adhesives, and web spray adhesives.
- VI.E. "Aerosol cooking spray" means any aerosol product designed either to reduce sticking on cooking and baking surfaces or to be applied on food, or both.
- VI.F. "Aerosol product" means a pressurized spray system that dispenses product ingredients by means of a propellant contained in a product or a product's container or a mechanically induced force but does not include pump spray.
- VI.G. "Agricultural use" means the use of any pesticide or method or device for the control of pests in connection with the commercial production, storage, or processing of any animal or plant crop. Agricultural use does not include the sale or use of pesticides in properly labeled packages or containers which are intended for home use (use in a household or its immediate environment), use in structural pest control (use requiring a license), industrial use (use for or in a manufacturing, mining, or chemical process or use in the operation of factories, processing plants, and similar sites), or institutional use (use within or on property necessary for the operation of buildings such as hospital, schools, libraries, auditorium, and office complexes).
- VI.H. "Air freshener" means any product including, but not limited to, sprays, wicks, wipes, diffusers, powders, and crystals, designed or labeled for the purpose of masking odors, or freshening, cleaning, scenting, or deodorizing the air. Air fresheners includes dual purpose air freshener/disinfectant products, which are aerosol products represented on the product container, label, packaging, or attached literature for use as both a disinfectant and an air freshener. Air freshener does not include products that are used on the human body, products that function primarily as cleaning products as indicated on the product label, odor remover/eliminator, toilet/urinal care products, or disinfectants when offered for sale solely through institutional and industrial channels of distribution.
- VI.I. "All other carbon-containing compounds" means other compounds which contain at least one carbon atom and are not a table B compound or a LVP-VOC.
- VI.J. "All other forms" means all consumer product forms for which no form-specific VOC standard is specified and include, but are not limited to, solids, liquids (including the liquid containing or liquid impregnated portion of the cloth or paper wipes), wicks, powders, and crystals.
- VI.K. "Antimicrobial hand or body cleaner or soap" means a cleaner or soap which is designed to reduce the level of microorganisms on the skin through germicidal activity and includes, but is not limited to, antimicrobial hand or body washes/cleaners, food handler hand washes, healthcare personnel hand washes, preoperative skin preparations, and surgical scrubs. Antimicrobial hand or body cleaner or soap does not include prescription drug products, antiperspirants, astringent/toner, deodorant, facial cleaner or soap, general-use hand or body cleaner or soap, hand dishwashing detergent (including antimicrobial), heavy-duty hand cleaner or soap, medicated astringent/medicated toner, and rubbing alcohol.
- VI.L. "Antiperspirant" means any product including, but not limited to, aerosols, roll-ons, sticks, pumps, pads, creams, and squeeze-bottles, that is intended by the manufacturer to be used to reduce perspiration in the human axilla by at least 20 percent in at least 50 percent of a target population.

- VI.M. "Anti-static product" means a product that is labeled to eliminate, prevent, or inhibit the accumulation of static electricity. Anti-static product does not include electronic cleaner, floor polish or wax, floor coating, aerosol coating products, or architectural coatings.
- VI.N. "Architectural coating" means a coating applied to stationary structures and their appurtenances, to mobile homes, to pavements, or to curbs.
- VI.O. "Aromatic compound" means a carbon containing compound, except compounds exempt from the definition of VOC, that contains one or more benzene or equivalent heterocyclic rings and has an initial boiling point less than or equal to 280 degrees C.
- VI.P. "Artist solvent/thinner" means any liquid product, labeled to meet ASTM D4236 – 94 (March 1, 2005) Standard Practice for Labeling Art Materials for Chronic Health Hazards, and packaged in a container equal to or less than 34 fluid ounces, labeled to reduce the viscosity of, and or remove, art coating compositions or components.
- VI.Q. "Astringent/toner" means any product not regulated as a drug by the United States Food and Drug Administration (FDA) which is applied to the skin for the purpose of cleaning or tightening pores including clarifiers and substrate-impregnated products. Astringent/toner does not include medicated astringent/medicated toner, cold cream, lotion, or antiperspirant.
- VI.R. "Automotive hard paste wax" means an automotive wax or polish that is designed to protect and improve the appearance of automotive paint surfaces, is solid at room temperature, and contains zero percent (0%) water by formulation.
- VI.S. "Automotive instant detailer" means a product designed for use in a pump spray that is applied to the painted surface of automobiles and wiped off prior to the product being allowed to dry.
- VI.T. "Automotive rubbing or polishing compound" means a product designed primarily to remove oxidation, old paint, scratches or "swirl marks", and other defects from the painted surfaces of motor vehicles without leaving a protective barrier.
- VI.U. "Automotive wax, polish, sealant, or glaze" means a product designed to seal out moisture, increase gloss, or otherwise enhance a motor vehicle's painted surfaces and includes, but is not limited to, products designed for use in auto body repair shops, drive-through car washes, and products designed for the general public. Automotive wax, polish, sealant, or glaze does not include automotive rubbing or polishing compounds, automotive wash and wax products, surfactant-containing car wash products, and products designed for use on unpainted surfaces such as bare metal, chrome, glass, or plastic.
- VI.V. "Automotive windshield cleaner" means a product labeled for automotive use only, packaged as an automotive windshield cleaner in the form of a moistened towelette, and designed to be used on automotive windshields, automotive mirrors, and automotive headlights. Automotive windshield cleaner does not include automotive windshield washer fluid.
- VI.W. "Automotive windshield washer fluid" means any liquid designed for use in a motor vehicle windshield washer system either as an antifreeze or for the purpose of cleaning, washing, or wetting the windshield. Automotive windshield washer fluid does not include fluids placed by the manufacturer in a new vehicle.

- VI.X. "Bathroom and tile cleaner" means a product designed or labeled to clean tile or surfaces in bathrooms. Bathroom and tile cleaner does not include toilet/urinal care product.
- VI.Y. "Brake cleaner" means a cleaning product designed to remove oil, grease, brake fluid, brake pad material, or dirt from motor vehicle brake mechanisms.
- VI.Z. "Bug and tar remover" means a product labeled to remove biological-type residues, such as insect carcasses and tree sap, and/or road grime, such as road tar, roadway paint markings, and asphalt, from painted motor vehicle surfaces without causing damage to the finish.
- VI.AA. "Carburetor or fuel-injection air intake cleaners" means a product designed or labeled to remove fuel deposits, dirt, or other contaminants from a carburetor, choke, throttle body of a fuel-injection system, or associated linkages. Carburetor or fuel-injection air intake cleaner does not include products designed or labeled exclusively to be introduced directly into the fuel lines or fuel storage tank prior to introduction into the carburetor or fuel injectors or products designed or labeled exclusively to be introduced during engine operation directly into air vacuum lines by using a pressurized sprayer wand.
- VI.BB. "Carpet and upholstery cleaner" means a cleaning product designed for the purpose of eliminating dirt and stains on rugs, carpeting, and the interior of motor vehicles and/or on household furniture or objects upholstered or covered with fabrics such as wool, cotton, nylon or other synthetic fabrics. Carpet and upholstery cleaner includes, but is not limited to, products that make fabric protectant claims. Carpet and upholstery cleaner does not include general purpose cleaners, spot removers, vinyl or leather cleaners, dry cleaning fluids, or products designed exclusively for use at industrial facilities engaged in furniture or carpet manufacturing.
- VI.CC. "Charcoal lighter material" means any combustible material designed to be applied on, incorporated in, added to, or used with charcoal to enhance ignition. Charcoal lighter material does not include electrical starters and probes, metallic cylinders using paper tinder, natural gas, propane, and fat wood.
- VI.DD. "Colorant" means any pigment or coloring material used in a consumer product for an aesthetic effect, or to dramatize an ingredient.
- VI.EE. "Construction, panel, and floor covering adhesive" means any non-aerosol, one-component adhesive that is designed or labeled for the installation, remodeling, maintenance, or repair of structural and building components that include, but are not limited to, beams, trusses, studs, paneling (drywall or drywall laminates, fiberglass reinforced plastic (FRP), plywood, particle board, insulation board, pre-decorated hardboard or tileboard, etc.), ceiling and acoustical tile, molding, fixtures, countertops or countertop laminates, cove or wall bases, and flooring or subflooring or floor or wall coverings that include, but are not limited to, wood or simulated wood covering, carpet, carpet pad or cushion, vinyl-backed carpet, flexible flooring material, nonresilient flooring material, mirror tiles and other types of tiles, and artificial grass. Construction, panel, and floor covering adhesive does not include floor seam sealer. Construction, panel and floor covering adhesive, does not include units of non-aerosol adhesive, less packaging, which weigh more than one pound and consists of more than 16 fluid ounces.
- VI.FF. "Consumer" means any person who purchases or acquires any consumer product for personal, family, household, or institutional use. Consumer does not include persons acquiring a consumer product for resale.

- VI.GG. "Consumer product" means a chemically formulated product used by household and institutional consumers including, but not limited to, detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; automotive specialty products; and aerosol adhesives. Consumer product does not include other paint products, furniture coatings, or architectural coatings.
- VI.HH. "Contact adhesive" means a non-aerosol adhesive that is designed for application to both surfaces to be bonded together, is allowed to dry before the two surfaces are placed in contact with each other, forms an immediate bond that is impossible, or difficult, to reposition after both adhesive-coated surfaces are placed in contact with each other, and does not need sustained pressure or clamping of surfaces after the adhesive-coated surfaces have been brought together using sufficient momentary pressure to establish full contact between both surfaces. Contact adhesive does not include rubber cements that are primarily intended for use on paper substrates or vulcanizing fluids that are designed and labeled for tire repair only. Contact adhesive does not include units of adhesive, less packaging, which consist of more than one gallon.
- VI.II. "Contact adhesive – general purpose" means any contact adhesive that is not a contact adhesive – special purpose.
- VI.JJ. "Contact adhesive – special purpose" means a contact adhesive that: is used to bond melamine-covered board, unprimed metal, unsupported vinyl, Teflon, ultra-high molecular weight polyethylene, rubber, high pressure laminate or wood veneer 1/16 inch or less in thickness to any porous or nonporous surface, and is sold in units of product, less packaging, that contain more than eight fluid ounces; or is used in automotive applications that are automotive under-the-hood applications requiring heat, oil or gasoline resistance, or are body-side molding, automotive weatherstrip or decorative trim.
- VI.KK. "Container/packaging" means the part or parts of the consumer or institutional product which serve only to contain, enclose, incorporate, deliver, dispense, wrap or store the chemically formulated substance or mixture of substances which is solely responsible for accomplishing the purposes for which the product was designed or intended. Container/packaging includes any article onto or into which the principle display panel and other accompanying literature or graphics are incorporated, etched, printed or attached.
- VI.LL. "Crawling bug insecticide" means any insecticide product that is designed for use against ants, cockroaches, or other household crawling arthropods, including, but not limited to, mites, silverfish, or spiders. Crawling bug insecticide does not include products designed to be used exclusively on humans or animals or any house dust mite product. A house dust mite product means a product whose label, packaging, or accompanying literature states that the product is suitable for use against house dust mites but does not indicate that the product is suitable for use against ants, cockroaches, or other household crawling arthropods. House dust mite means mites which feed primarily on skin cells shed in the home by humans and pets and which belong to the phylum Arthropoda, the subphylum Chelicerata, the class Arachnida, the subclass Acari, the order Astigmata, and the family Pyroglyphidae.
- VI.MM. "Date-code" means the day, month and year on which the consumer product was manufactured, filled, or packaged, or a code indicating such a date.
- VI.NN. "Deodorant" means any product including, but not limited to, aerosol, roll-ons, sticks, pumps, pads, creams, and squeeze-bottles, that indicates or depicts on the container or packaging, or on any sticker or label affixed thereto, that the product can be used on or applied to the human axilla to provide a scent and/or minimize odor. Deodorant includes

deodorant body sprays that indicate or depict on the container, packaging, or label that it can be used on or applied to the human axilla.

- VI.OO. "Deodorant body spray" means a personal fragrance product with 20 percent or less fragrance that is designed for application all over the human body to provide a scent.
- VI.PP. "Device" means any instrument or contrivance (other than a firearm) that is designed for trapping, destroying, repelling, or mitigating any pest or any other form of plant or animal life (other than man and bacterium, virus, other microorganism on or in living man or other living animals). Device does not include equipment used for the application of pesticides when sold separately therefrom.
- VI.QQ. "Disinfectant" means a product labeled as a disinfectant or a product registered as a disinfectant under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA, 7 U.S.C. 136, et seq. (1996)) to destroy or irreversibly inactivate infectious or other undesirable bacteria, pathogenic fungi, or viruses on surfaces or inanimate objects. Disinfectant includes products labeled as both sanitizer and disinfectant. Disinfectant does not include products labeled solely for use on humans or animals; agricultural use; use in swimming pools, therapeutic tubs, or hot tubs; to be used on heat sensitive critical or semi-critical medical devices or medical equipment surfaces; to be applied to food-contact surfaces and are not required to be rinsed prior to contact with food; products which are pre-moistened wipes or towelettes sold exclusively to medical, convalescent, or veterinary establishments; or products labeled as bathroom and tile cleaners, glass cleaners, general purpose cleaners, toilet/urinal care products, metal polishes, carpet cleaners, or fabric refreshers that may also make disinfecting or anti-microbial claims on the label.
- VI.RR. "Distributor" means any person to whom a consumer product is sold or supplied for the purposes of resale or distribution in commerce, except that manufacturers, retailers, and consumers are not distributors.
- VI.SS. "Double phase aerosol air freshener" means an aerosol air freshener with the liquid contents in two or more distinct phases that requires the product container be shaken before use to mix the phases, producing an emulsion.
- VI.TT. "Dry cleaning fluid" means any non-aqueous liquid product designed and labeled exclusively for use on fabrics which are labeled "for dry clean only," such as clothing or drapery, or "S-coded" fabrics. S-coded fabric means an upholstery fabric designed to be cleaned only with water-free spot cleaning products as specified by the Joint Industry Fabric Standards Committee. Dry cleaning fluid does not include spot removers or carpet and upholstery cleaners.
- VI.UU. "Dusting aid" means a product designed to assist in removing dust and other soils from floors and other surfaces without leaving a wax or silicone based coating. Dusting aid does not include pressurized gas duster.
- VI.VV. "Electrical cleaner" means a product labeled to remove heavy soils such as grease, grime, or oil from electrical equipment, including, but not limited to, electric motors, armatures, relays, electric panels, or generators. Electrical cleaner does not include general purpose cleaner, general purpose degreaser, dusting aid, electronic cleaner, energized electrical cleaner, pressurized gas duster, engine degreaser, anti-static product, or products labeled to clean the casings or housings of electrical equipment.
- VI.WW. "Electronic cleaner" means a product labeled for the removal of dirt, moisture, dust, flux or oxides from the internal components of electronic or precision equipment such as

circuit boards and the internal components of electronic devices, including but not limited to, radios, compact disc (CD) players, digital video disc (DVD) players, and computers. Electronic cleaner does not include general purpose cleaner, general purpose degreaser, dusting aid, pressurized gas duster, engine degreaser, electrical cleaner, energized electrical cleaner, anti-static product, or products labeled to clean the casings or housings of electronic equipment or energized electrical cleaners. Electronic cleaner does not include products labeled to clean and/or degrease electronic equipment, where cleaning and/or degreasing is accomplished when electrical current exists, or when there is a residual electrical potential from a component and clearly displaying “energized electronic equipment use only.”

- VI.XX “Energized electrical cleaner” means a product labeled to clean and/or degrease electrical equipment, where cleaning and/or degreasing is accomplished when electrical current exists, or when there is a residual electrical potential from a component, such as a capacitor. Energized electrical cleaner does not include electronic cleaner.
- VI.YY. “Engine degreaser” means a cleaning product designed or labeled to remove grease, grime, oil and other contaminants from the external surfaces of engines and other mechanical parts.
- VI.ZZ. “Fabric protectant” means a product labeled to be applied to fabric substrates to protect the surface from soiling from dirt or other impurities or to reduce absorption of liquid into the fabric fibers. Fabric protectant does not include waterproofers; products labeled for use solely on leather; pigmented products that are designed to be used primarily for coloring; products used for construction, reconstruction, modification, structural maintenance or repair of fabric substrates; or products that renew or restore fabric and qualify as either clear coating or vinyl/fabric/leather/polycarbonate coating.
- VI.AAA. “Fabric refresher” means a product labeled to neutralize or eliminate odors on nonlaundered fabric including, but not limited to, soft household surfaces, rugs, carpeting, draperies, bedding, automotive interiors, footwear, athletic equipment, clothing and/or on household furniture or objects upholstered or covered with fabrics such as, but not limited to, wool, cotton, or nylon. Fabric refresher does not include anti-static product, carpet and upholstery cleaner, footwear or leather care product, spot remover, disinfectant, or products labeled for application to both fabric and human skin.
- VI.BBB. “Facial cleaner or soap” means a cleaner or soap designed primarily to clean the face and includes, but is not limited to, facial cleansing creams, semisolids, liquids, lotions, and substrate-impregnated forms. Facial cleaner or soap does not include prescription drug products, antimicrobial hand or body cleaner or soap, astringent/toner, general-use hand or body cleaner or soap, medicated astringent/medicated toner, or rubbing alcohol.
- VI.CCC. “Fat wood” means pieces of wood kindling with high naturally-occurring levels of sap or resin which enhance ignition of the kindling but does not include any kindling with substances added to enhance flammability, such as wax-covered or wax-impregnated wood-based products.
- VI.DDD. “Flea and tick insecticide” means any insecticide product that is designed for use against fleas, ticks, their larvae, or their eggs but does not include products that are designed to be used exclusively on humans or animals and their bedding.
- VI.EEE. “Floor coating” means an opaque coating that is labeled and designed for application to flooring, including, but not limited to, decks, porches, steps, and other horizontal surfaces which may be subject to foot traffic.

- VI.FFF. "Floor polish or wax" means a product designed or labeled to polish, wax, condition, protect, temporarily seal, or otherwise enhance floor surfaces by leaving a protective finish that is designed or labeled to be periodically replenished. Floor polish or wax includes products for resilient flooring materials (including, but not limited to, asphalt, cork, linoleum, no-wax, rubber, seamless vinyl, vinyl composite flooring), non-resilient flooring materials (including, but not limited to, terrazzo, marble, slate, granite, brick, stone, ceramic tile, concrete), and wood floor wax (i.e., wax-based products for use solely on wood floors). Floor polish or wax does not include spray buff products, floor wax strippers, or products designed or labeled for unfinished wood floors or coatings subject to architectural coatings regulations.
- VI.GGG. "Floor seam sealer" means any product designed and labeled exclusively for bonding, fusing, or sealing (coating) seams between adjoining rolls of installed flexible sheet flooring.
- VI.HHH. "Floor wax stripper" means a product designed to remove natural or synthetic floor polishes or waxes through breakdown of the polish or wax polymers or by dissolving or emulsifying the polish or wax. Floor wax stripper does not include aerosol floor wax strippers or products designed to remove floor wax solely through abrasion.
- VI.III. "Flying bug insecticide" means any insecticide product that is designed for use against flying insects or other flying arthropods, including, but not limited to, flies, mosquitoes, moths, or gnats. Flying bug insecticide does not include wasp and hornet insecticide, products designed to be used exclusively on humans or , or products designed and labeled to protect fabrics from damage by moths where the label does not also indicate the product is suitable for use against flying insects or other flying arthropods.
- VI.JJJ. "Footwear or leather care product" means any product designed or labeled to be applied to footwear or to other leather articles/components, to maintain, enhance, clean, protect, or modify the appearance, durability, fit, or flexibility of the footwear or leather article/component. Footwear or leather care product does not include fabric protectant, general purpose adhesive, contact adhesive, vinyl/fabric/leather/polycarbonate coating, rubber/vinyl protectant, fabric refresher, or products solely for deodorizing or sealant products with adhesive properties used to create external protective layers greater than 2 millimeters thick.
- VI.KKK. "Fragrance" means a substance or complex mixture of aroma chemicals, natural essential oils, and other functional components with a combined vapor pressure not in excess of 2 millimeters of Mercury (mm Hg) at 20 degrees C, the sole purpose of which is to impart an odor or scent or to counteract a malodor.
- VI.LLL. "Furniture maintenance product" means a wax, polish, conditioner, or any other product labeled for the purpose of polishing, protecting or enhancing finished wood surfaces, other than floors, and other furniture surfaces including, but not limited to, acrylics, ceramic, plastics, stone surfaces, metal surfaces, and fiberglass. Furniture maintenance product does not include dusting aids, wood cleaners, and products designed solely for the purpose of cleaning or products designed to leave a permanent finish such as stains, sanding sealers, and lacquers.
- VI.MMM. "Furniture coating" means any paint designed for application to room furnishings including, but not limited to, cabinets (kitchen, bath, and vanity), tables, chairs, beds, and sofas.
- VI.NNN. "Gel" means a colloid in which the disperse phase has combined with the continuous phase to produce a semisolid material, such as jelly.

- VI.OOO. "General purpose adhesive" means any non-aerosol adhesive designed for use on a variety of substrates. General purpose adhesive does not include contact adhesives; construction, panel, and floor covering adhesives; adhesives designed exclusively for application on one specific category of substrates (i.e., substrates that are composed of similar materials, such as different types of metals, paper products, ceramics, plastics, rubbers, or vinyls); or adhesives designed exclusively for use on one specific category of articles (i.e., articles that may be composed of different materials but perform a specific function, such as gaskets, automotive trim, weatherstripping, or carpets). General purpose adhesive, does not include units of non-aerosol adhesive, less packaging, which weigh more than one pound and consists of more than 16 fluid ounces.
- VI.PPP. "General purpose cleaner" means a product labeled to clean a variety of hard surfaces, including, but not limited to, products designed or labeled for general floor cleaning, kitchen, countertop, or sink cleaning, and cleaners designed or labeled to be used on a variety of hard surfaces such as stovetops, cooktops, or microwaves.
- VI.QQQ. "General purpose degreaser" means any product labeled to remove or dissolve grease, grime, oil and other oil-based contaminants from a variety of substrates, including automotive or miscellaneous metallic parts. General purpose degreaser does not include engine degreaser, general purpose cleaner, adhesive remover, electronic cleaner, electrical cleaner, energized electrical cleaner, metal polish or cleanser, oven or grill cleaner, or products used exclusively in solvent cleaning tanks or related equipment (including, but not limited to, cold cleaners, vapor degreasers, conveyorized degreasers, film cleaning machines, products designed to clean miscellaneous metallic parts by immersion in a container) or products that are exclusively sold directly or through distributors to establishments which manufacture or construct goods or commodities and labeled exclusively for "use in the manufacturing process only."
- VI.RRR. "General-use hand or body cleaner or soap" means a cleaner or soap designed to be used routinely on the skin to clean or remove typical or common dirt and soils and includes, but is not limited to, hand or body washes, dual-purpose shampoo-body cleaners, shower or bath gels, and moisturizing cleaners or soaps. General-use hand or body cleaner or soap does not include prescription drug products, antimicrobial hand or body cleaner or soap, astringent/toner, facial cleaner or soap, hand dishwashing detergent (including antimicrobial), heavy-duty hand cleaner or soap, medicated astringent/medicated toner, or rubbing alcohol.
- VI.SSS. "Glass cleaner" means a cleaning product designed primarily for cleaning surfaces made of glass. Glass cleaner does not include products designed solely for the purpose of cleaning optical materials used in eyeglasses, photographic equipment, scientific equipment, and photocopying machines.
- VI.TTT. "Graffiti remover" means a product labeled to remove spray paint, ink, marker, crayon, lipstick, nail polish, or shoe polish from a variety of non-cloth or nonfabric substrates and products labeled for dual use as both a paint stripper and graffiti remover. Graffiti remover does not include paint remover or stripper, nail polish remover, or spot remover.
- VI.UUU. "Hair mousse" means a hairstyling foam designed to facilitate styling of a coiffure and provide limited holding power.
- VI.VVV. "Hair shine" means any product designed for the primary purpose of creating a shine when applied to the hair and includes, but is not limited to, dual-use products designed primarily to impart a sheen to the hair. Hair shine does not include hair spray, hair mousse, hair styling product, hair styling gel, or products whose primary purpose is to condition or hold the hair.

- VI.WWW. "Hair spray" means a consumer product that is applied to styled hair and is designed or labeled to provide sufficient rigidity, to hold, retain, and/or finish the style of the hair for a period of time. Hair spray includes aerosol hair sprays, pump hair sprays, spray waxes; color, glitter, or sparkle hairsprays that make finishing claims; and products that are both a styling (i.e., forming, sculpting, or manipulating the hair for a period of time) and finishing (i.e., maintain and/or hold the styled hair for a period of time) product. Hair spray does not include spray products that are intended to aid in styling but do not provide finishing of a hairstyle.
- VI.XXX. "Hair styling product" means a consumer product designed or labeled for the application to wet, damp, or dry hair to aid in defining, shaping, lifting, styling, and/or sculpting of the hair. Hair styling product includes, but is not limited, to hair balm, clay, cream, crème, curl straightener, gel, liquid, lotion, paste, pomade, putty, root lifter, serum, spray gel, stick, temporary hair straightener, wax, spray products that aid in styling but do not provide finishing of a hairstyle, and leave-in volumizers, detanglers, and/or conditioners that make styling claims. Hair styling product does not include hair mousse, hair shine, hair spray, or shampoos and/or conditioners that are rinsed from the hair prior to styling.
- VI.YYY. "Heavy-duty hand cleaner or soap" means a product designed to clean or remove difficult dirt and soils such as oil, grease, grime, tar, shellac, putty, printer's ink, paint, graphite, cement, carbon, asphalt, or adhesives from the hand with or without the use of water. Heavy-duty hand cleaner or soap does not include prescription drug products, antimicrobial hand or body cleaner or soap, astringent/toner, facial cleaner or soap, general-use hand or body cleaner or soap, medicated astringent/medicated toner, or rubbing alcohol.
- VI.ZZZ. "Herbicide" means a pesticide product designed to kill or retard a plant's growth, but excludes products that are for agricultural use or restricted materials that require a permit for use and possession.
- VI.AAAA. "High-temperature coating" means a high performance coating labeled and formulated for application to substrates exposed continuously or intermittently to temperatures above 204 degrees C (400 degrees F).
- VI.BBBB. "High volatility organic compound (HVOC)" means any volatile organic compound that exerts a vapor pressure greater than 80 mm Hg when measured at 20 degrees C.
- VI.CCCC. "Household product" means any consumer product that is primarily designed to be used inside or outside of living quarters or residences that are occupied or intended for occupation by individuals, including the immediate surroundings.
- VI.DDDD. "Industrial maintenance coating" means a high performance architectural coating, including primers, sealers, undercoaters, intermediate coats, and topcoats, formulated for application to substrates, including floors, and exposed to one or more of the following extreme environmental conditions: immersion in water, wastewater, or chemical solutions (aqueous and non-aqueous solutions), or chronic exposures of interior surfaces to moisture condensation; acute or chronic exposure to corrosive, caustic, or acidic agents, or to chemicals, chemical fumes, or chemical mixtures or solutions; frequent exposure to temperatures above 121°C (250°F); frequent heavy abrasion, including mechanical wear and scrubbing with industrial solvents, cleansers, or scouring agents; or exterior exposure of metal structures and structural components. Industrial maintenance coatings must be labeled as specified in Part B, Section III.D.1.
- VI.EEEE. "Insecticide" means a pesticide product that is designed for use against insects or other arthropods. Insecticide does not include products that are for agricultural use, for

a use which requires a structural pest control license, or restricted materials that require a permit for use and possession.

VI.FFFF. "Insecticide fogger" means any insecticide product designed to release all or most of its content as a fog or mist into indoor areas during a single application.

VI.GGGG. "Institutional product" or "industrial and institutional (I&I) product" means a consumer product that is designed for use in the maintenance or operation of an establishment (e.g., government agencies, factories, schools, hospitals, restaurants, hotels, stores) that manufactures, transports, or sells goods or commodities or provides services for profit or is engaged in the nonprofit promotion of a particular public, educational, or charitable cause. Institutional product does not include household products and products that are incorporated into or used exclusively in the manufacture or construction of the goods or commodities at the site of the establishment.

VI.HHHH. "Label" means any written, printed, or graphic matter affixed to, applied to, attached to, blown into, formed, molded into, embossed on, or appearing upon any consumer product or consumer product package, for purposes of branding, identifying, or giving information with respect to the product or to the contents of the package.

VI.IIII. "Laundry prewash" means a product that is designed for application to a fabric prior to laundering and that supplements and contributes to the effectiveness of laundry detergents and/or provides specialized performance.

VI.JJJJ. "Laundry starch/sizing/fabric finish product" means a product that is labeled for application to a fabric, either during or after laundering, to impart and prolong a crisp, fresh look and may also act to help ease ironing of the fabric.

VI.KKKK. "Lawn and garden insecticide" means an insecticide product labeled primarily to be used in household lawn and garden areas to protect plants from insects or other arthropods. Lawn and garden insecticides may claim to kill insects or other arthropods.

VI.LLLL. "Liquid" means a substance or mixture of substances which is capable of a visually detectable flow as determined under ASTM D-4359-90(2000)e1 (2012) but does not include powders or other materials that are composed entirely of solid particles.

VI.MMMM. "Lubricant" means a product designed to reduce friction, heat, noise, or wear between moving parts, or to loosen rusted or immovable parts or mechanisms. Lubricant does not include automotive power steering fluids; products for use inside power generating motors, engines, and turbines, and their associated power-transfer gearboxes; two cycle oils or other products designed to be added to fuels; products for use on the human body or animals or products that are exclusively sold directly or through distributors to establishments which manufacture or construct goods or commodities and labeled exclusively for "use in the manufacturing process only."

VI.NNNN. "LVP content" means the total weight, in pounds, of LVP compounds in an ACP product multiplied by 100 and divided by the product's total net weight (in pounds, excluding container and packaging), expressed to the nearest 0.1.

VI.OOOO. "LVP-VOC" means a chemical compound or mixture that contains at least one carbon atom and meets one of the following: has a vapor pressure less than 0.1 mm Hg at 20 degrees C, as determined by CARB Method 310 (December 31, 2018); is a chemical compound with more than 12 carbon atoms, or a chemical mixture comprised solely of compounds with more than 12 carbon atoms as verified by formulation data, and the vapor pressure and boiling point are unknown; is a chemical compound with a boiling

point greater than 216 degrees C, as determined by CARB Method 310 (December 31, 2018); or is the weight percent of a chemical mixture that boils above 216 degrees C, as determined by CARB Method 310 (December 31, 2018). Chemical compound means a molecule of definite chemical formula and isomeric structure. Chemical mixture means a substrate comprised of two or more chemical compounds.

VI.PPPP. "Manufacturer," for consumer product, means any person who imports, manufactures, assembles, produces, packages, repackages, or relabels a consumer product.

VI.QQQQ. "Medicated astringent/medicated toner" means any product regulated as a drug by the FDA which is applied to the skin for the purpose of cleaning or tightening pores and includes, but is not limited to, clarifiers and substrate-impregnated products. Medicated astringent/medicated toner does not include hand, face, or body cleaner or soap products; cold cream; lotion; antiperspirants; or products that must be purchased with a doctor's prescription.

VI.RRRR. "Medium volatility organic compound (MVOC)" means any volatile organic compound that exerts a vapor pressure greater than 2 mm Hg and less than or equal to 80 mm Hg when measured at 20 degrees C.

VI.SSSS. "Metal polish/cleanser" means any product designed primarily to improve the appearance (e.g., remove or reduce stains, impurities, or oxidation from surfaces or to make surfaces smooth and shiny) of finished metal, metallic, or metallized surfaces by physical or chemical action and includes, but is not limited to, metal polishes used on brass, silver, chrome, copper, stainless steel, and other ornamental metals. Metal polish/cleanser does not include automotive wax, polish, sealant or glaze; wheel cleaner; paint remover or stripper; or products designed and labeled exclusively for automotive and marine detailing or products designed for use in degreasing tanks.

VI.TTTT. "Mist spray adhesive" means any aerosol which is not a special purpose spray adhesive and which delivers a particle or mist spray, resulting in the formation of fine, discrete particles that yield a generally uniform and smooth application of adhesive to the substrate.

VI.UUUU. "Multi-purpose dry lubricant" means any lubricant which is designed and labeled to provide lubricity by depositing a thin film of graphite, molybdenum disulfide (moly), or polytetrafluoroethylene or closely related fluoropolymer (Teflon) on surfaces and is designed for general purpose lubrication or for use in a wide variety of applications.

VI.VVVV. "Multi-purpose lubricant" means any lubricant designed for general purpose lubrication, or for use in a wide variety of applications. Multi-purpose lubricant does not include multi-purpose dry lubricants, penetrants, or silicone-based multi-purpose lubricants.

VI.WWWW. "Multi-purpose solvent" means any liquid product designed or labeled to be used for dispersing, dissolving, or removing contaminants or other organic materials. Multi-purpose solvent includes products that do not display specific use instructions on the product container or packaging; products that do not specify an end-use function or application on the product container or packaging; solvents used in institutional facilities, except for laboratory reagents used in analytical, educational, research, scientific or other laboratories; paint clean-up products (i.e., liquid product labeled for cleaning oil-based or water-based paint, lacquer, varnish, related coatings from, but not limited to, painting equipment or tools, plastics, or metals); and products labeled to prepare surfaces for painting. Multi-purpose solvent does not include solvents used in cold cleaners, vapor degreasers, conveyORIZED degreasers or film cleaning machines; solvents labeled

exclusively for the clean-up of application equipment used for polyaspartic and polyurea coatings; solvents that are incorporated into, or used exclusively in the manufacture or construction of, the goods or commodities at the site of the establishment; products that are labeled exclusively to clean a specific contaminant, on a single substrate, in specific situations; or any product making any representation that the product may be used as or is suitable for use as a consumer product which qualifies under another definition.

VI.XXXX. "Nail polish" means any clear or colored coating designed for application to the fingernails or toenails and including, but not limited to, lacquers, enamels, acrylics, base coats and top coats.

VI.YYYY. "Nail polish remover" means a product designed to remove nail polish and coatings from fingernails or toenails.

VI.ZZZZ. "Non-aerosol product" means any consumer product that is not dispensed by a pressurized spray system.

VI.AAAAA. "Non-carbon containing compound" means any compound which does not contain any carbon atoms.

VI.BBBBB. "Non-resilient flooring" means flooring of a mineral content which is not flexible and includes terrazzo, marble, slate, granite, brick, stone, ceramic tile, and concrete.

VI.CCCCC. "Non-selective terrestrial herbicide" means a terrestrial herbicide product that is toxic to plants without regard to species.

VI.DDDDD. "Oven or grill cleaner" means a product labeled exclusively to remove baked on greases and/or deposits from food preparation and/or food cooking surfaces. A product that is labeled as an oven or grill cleaner that makes claims that it is suitable for degreasing other hard surfaces is a general purpose degreaser. A product that is labeled as an oven or grill cleaner that makes claims that it is suitable for cleaning other hard surfaces is a general purpose cleaner.

VI.EEEEE. "Paint" means any pigmented liquid, liquefiable, or mastic composition designed for application to a substrate in a thin layer which is converted to an opaque solid film after application and is used for protection, decoration, or identification or to serve some functional purpose such as the filling or concealing of surface irregularities or the modification of light and heat radiation characteristics.

VI.FFFFF. "Paint remover or stripper" means any product designed to strip or remove paints or other related coatings, by chemical action, from a substrate without markedly affecting the substrate. Paint remover or stripper does not include multi-purpose solvents, paint brush cleaners, products designed and labeled exclusively as graffiti removers, and hand cleaner products that claim to remove paints and other related coatings from skin.

VI.GGGGG. "Paint thinner" means any liquid product that prominently displays the term paint thinner, lacquer thinner, thinner, or reducer and used for reducing the viscosity of coating compositions or components. Paint thinner does not include artist's solvent/thinner; products that are sold in containers with a capacity of five (5) gallons or more and are labeled exclusively for the thinning of industrial maintenance coatings, zinc-rich primers, or high temperature coatings; and products labeled and used exclusively as an ingredient in a specific coating or coating brand line, whereby the coating would not be complete or useable without the specific ingredient. Paint thinner does not include a product with a principle display panel displaying language, in a font as large as or larger than the font size of the other words on the panel (not including the font size used for the company

name, brand name, or logo), that the product is used exclusively for the thinning of industrial maintenance coatings, zinc-rich primers, or high temperature coatings and that makes no representation that the product is suitable for use or may be used for any other purpose except the thinning of industrial maintenance coatings, zinc-rich primers, or high temperature coatings.

VI.HHHHH. "Penetrant" means a lubricant designed and labeled primarily to loosen metal parts that have bonded together due to rusting, oxidation, or other causes. Penetrant does not include multi-purpose lubricants that claim to have penetrating qualities but are not labeled primarily to loosen bonded parts.

VI.IIIII. "Personal fragrance product" means any product which is applied to the human body or clothing for the primary purpose of adding a scent or masking a malodor, including cologne, perfume, aftershave, and toilet water. Personal fragrance product does not include deodorant; medicated products designed primarily to alleviate fungal or bacterial growth on feet or other areas of the body; mouthwashes, breath fresheners and deodorizers; lotions, moisturizers, powders, or other skin care products used primarily to alleviate skin conditions such as dryness and irritations; products designed exclusively for use on human genitalia; soaps, shampoos, and products primarily used to clean the human body; and fragrance products designed to be used exclusively on non-human animals.

VI.JJJJJ. "Pesticide" means and includes any substance or mixture of substances labeled, designed, or intended for use in preventing, destroying, repelling or mitigating any pest, or any substance or mixture of substances labeled, designed, or intended for use as a defoliant, desiccant, or plant regulator, provided that the term "pesticide" will not include any substance, mixture of substances, or device which the United States Environmental Protection Agency does not consider to be a pesticide.

VI.KKKKK. "Pressurized gas duster" means a pressurized product labeled to remove dust from a surface solely by means of mass air or gas flow, including surfaces such as photographs, photographic film negatives, computer keyboards, and other types of surfaces that cannot be cleaned with solvents. Pressurized gas duster does not include dusting aid.

VI.LLLLL. "Principal display panel or panels" means that part, or those parts of a label that are so designed as to most likely be displayed, presented, shown or examined under normal and customary conditions of display or purchase. Whenever a principal display panel appears more than once, all requirements pertaining to the principal display panel shall pertain to all such principal display panels.

VI.MMMMM. "Product brand name" means the name of the product exactly as it appears on the principal display panel of the product.

VI.NNNNN. "Product category" means the applicable category which best describes the product as listed in the definitions and Table 1.

VI.OOOOO. "Product form" means the applicable form that most accurately describes the product's dispensing form:

A = aerosol product

S = solid

P = pump spray

L = liquid

SS = semi-solid

O = other

VI.PPPPP. "Product line" means a group of products of identical form and function belonging to the same product category(ies).

VI.QQQQQ. "Propellant" means a liquefied or compressed gas that is used in whole or in part, such as a cosolvent, to expel a liquid or any other material from the same self-pressurized container or from a separate container.

VI.RRRRR. "Pump spray" means a packaging system in which the product ingredients within the container are not under pressure and in which the product is expelled only while a pumping action is applied to a button, trigger, or other actuator.

VI.SSSSS. "Responsible party" means the company, firm, or establishment which is listed on the product's label. If the label lists two companies, firms, or establishments, the responsible party is the party which the product was "manufactured for" or "distributed by," as noted on the label.

VI.TTTTT. "Retailer" means any person who sells, supplies, or offers consumer products for sale directly to consumers.

VI.UUUUU. "Retail outlet" means any establishment at which consumer products are sold, supplied, or offered for sale directly to consumers.

VI.VVVVV. "Roll-on product" means any antiperspirant or deodorant that dispenses active ingredients by rolling a wetted ball or wetted cylinder on the affected area.

VI.WWWWW. "Rubber/vinyl protectant" means any product labeled to protect, preserve or renew vinyl, or rubber on vehicles, tires, luggage, furniture, and/or household products such as vinyl covers, clothing, or accessories. Rubber/vinyl protectant does not include products labeled to clean the wheel rim, such as aluminum or magnesium wheel cleaners; tire cleaners that do not leave an appearance-enhancing or protective substance on the tire; pigmented products designed or labeled to be used primarily for coloring; products used for construction, reconstruction, modification, or structural maintenance or repair of rubber or vinyl substrates; or products, other than those labeled to be used on vehicle tires, qualifying as either clear coating or vinyl/fabric/leather/polycarbonate coating.

VI.XXXXX. "Rubbing alcohol" means any product containing isopropyl alcohol (also called isopropanol) or denatured ethanol and labeled for topical use, usually to decrease germs in minor cuts and scrapes, to relieve minor muscle aches, as a rubefacient, and for massage.

VI.YYYYY. "Sanitizer" means a product labeled as a sanitizer or a product registered as a sanitizer under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA, 7 U.S.C. 136, et seq.) to reduce, but not necessary eliminate, microorganisms in the air, on surfaces, or on inanimate objects. Products that are labeled both sanitizer and disinfectant are considered disinfectants. Sanitizer does not include disinfectant; products labeled solely for use on humans or animals; products labeled solely for agricultural use; products labeled solely for use in swimming, therapeutic tubs, or hot tubs; products which are labeled to be used on heat sensitive critical or semi-critical medical devices or

medical equipment surfaces; products which are pre-moistened wipes or towelettes sold exclusively to medical, convalescent or veterinary establishments; products which are labeled to be applied to food-contact surfaces and are not required to be rinsed prior to contact with food; or other products labeled bathroom and tile cleaners, glass cleaners, general purpose cleaners, toilet/urinal care products, metal polishers, carpet cleaners, or fabric refreshers that may also make sanitizing or anti-microbial claims on the label.

VI.ZZZZZ. "Sealant and caulking compound" means any product with adhesive properties that is designed to fill, seal, waterproof, or weatherproof gaps or joints between two surfaces. Sealant and caulking compound does not include roof cements and roof sealants; insulating foams; removable caulking compounds (i.e., provides a three to six month temporary seal); clear/paintable/water resistant caulking compounds (i.e., contains no appreciable level of opaque fillers or pigments, transmits most or all visible light when cured, and is immediately resistant to precipitation upon application); floor seam sealers; products designed exclusively for automotive uses; sealers that are applied as continuous coatings; or units of product, less packaging, which weigh more than one pound and consist of more than 16 fluid ounces.

VI.AAAAAA. "Semi-solid" means a product that, at room temperature, will not pour, but will spread or deform easily, including but not limited to gels, pastes, and greases.

VI.BBBBBB. "Shaving cream" means an aerosol product which dispenses a foam lather intended to be used with a blade, cartridge razor, or other wet-shaving system in the removal of facial or other bodily hair. Shaving cream does not include shaving gel.

VI.CCCCCC. "Shaving gel" means an aerosol product which dispenses a post-foaming semisolid designed to be used with a blade, cartridge razor, or other shaving system in the removal of facial or other bodily hair. Shaving gel does not include shaving cream.

VI.DDDDDD. "Silicone-based multi-purpose lubricant" means any lubricant that is designed and labeled to provide lubricity primarily through the use of silicone compounds including, but not limited to, polydimethylsiloxane and is designed and labeled for general purpose lubrication or for use in a wide variety of applications. Silicone-based multi-purpose lubricant does not include products designed and labeled exclusively to release manufactured products from molds.

VI.EEEEEEE. "Single phase aerosol air freshener" means an aerosol air freshener with the liquid contents in a single homogeneous phase and which does not require that the product container be shaken before use.

VI.FFFFFFF. "Solid" means a substance or mixture of substances which, either whole or subdivided (such as the particles comprising a powder), is not capable of visually detectable flow as determined under ASTM D-4359-90(2000)e1 (2012).

VI.GGGGGG. "Special purpose spray adhesive" means an aerosol adhesive that meets any of the following definitions:

VI.GGGGGG.1. Mounting adhesive: designed to permanently mount photographs, artwork, and any other drawn or printed media to a backing (e.g., paper, board, cloth) without causing discoloration to the artwork.

VI.GGGGGG.2. Flexible vinyl adhesive: designed to bond flexible vinyl to substrates. Flexible vinyl means a nonrigid polyvinyl chloride plastic with at least five percent, by weight, of plasticizer content. A plasticizer is a material, such as a high boiling point organic solvent, that is incorporated into a plastic to increase its flexibility,

workability, or distensibility, and may be determined using ASTM Method E260-91 (2011) or from product formulation data.

VI.GGGGGG.3. Polystyrene foam adhesive: designed to bond polystyrene foam to substrates.

VI.GGGGGG.4. Automobile headliner adhesive: designed to bond together layers in motor vehicle headliners.

VI.GGGGGG.5. Polyolefin adhesive: designed to bond polyolefins to substrates.

VI.GGGGGG.6. Laminate repair/edgebanding adhesive: designed for the touch-up or repair (e.g., lifted edges, delaminations) of items laminated with high pressure laminates (i.e., temperatures exceeding 265°F and pressures between 1,000 and 1,400 psi) or for the touch-up, repair, or attachment of edgebanding materials, including but not limited to, other laminates, synthetic marble, veneers, wood molding, and decorative metals.

VI.GGGGGG.7. Automotive engine compartment adhesive: designed for use in motor vehicle under-the-hood applications which require oil and plasticizer resistance, as well as high shear strength, at temperatures of 200 - 275°F.

VI.HHHHHH. "Spot remover" means any product labeled to clean localized areas, or remove localized spots or stains on cloth or fabric such as drapes, carpets, upholstery, and clothing that does not require subsequent laundering to achieve stain removal. Spot remover does not include dry cleaning fluid, laundry prewash, or multi-purpose solvent.

VI.IIIIII. "Spray buff product" means a product designed to restore a worn floor finish in conjunction with a floor buffing machine and special pad.

VI.JJJJJJ. "Table B compound" means any carbon-containing compound listed as an exception to the definition of VOC.

VI.KKKKKK. "Temporary hair color" means any product that applies color, glitter, or UV-active pigments to hair, wigs, or fur and is removable when washed. Temporary hair color includes hair color mousses and products labeled to add texture or thickness to cover thinning/balding areas. Temporary hair color does not include hair spray, hair styling product, or hair mousse.

VI.LLLLLL. "Thermoplastic rubber coating and mastic" means a coating or mastic formulated and recommended for application to roofing or other structural surfaces and that incorporates no less than 40 percent by weight of thermoplastic rubbers in the total resin solids and may also contain other ingredients including, but not limited to, fillers, pigments, and modifying resins.

VI.MMMMMM. "Tire sealant and inflation" means any pressurized product that is designed to temporarily inflate and seal a leaking tire.

VI.NNNNNN. "Toilet/urinal care product" means any product designed or labeled to clean and/or to deodorize toilet bowls, toilet tanks, or urinals connected to permanent plumbing in buildings and other structures, portable toilets or urinals placed at temporary or remote locations, and toilet or urinals in vehicles such as buses, recreational motor homes, boats, ships, and aircraft. Toilet/urinal care product does not include bathroom and tile cleaner or general purpose cleaner.

- VI.OOOOOO. "Type A propellant" means a compressed gas such as CO₂, N₂, N₂O, or compressed air which is used as a propellant and is either incorporated with the product or contained in a separate chamber within the product's packaging.
- VI.PPPPPP. "Type B propellant" means any halocarbon which is used as a propellant including chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), and hydrofluorocarbons (HFCs).
- VI.QQQQQQ. "Type C propellant" means any propellant which is not a Type A or Type B propellant, including propane, isobutane, n-butane, and dimethyl ether (also known as dimethyl oxide).
- VI.RRRRRR. "Undercoating" means any aerosol product designed to impart a protective, non-paint layer to the undercarriage, trunk interior, and/or firewall of motor vehicles to prevent the formation of rust or to deaden sound and includes, but is not limited to, rubberized, mastic, or asphaltic products.
- VI.SSSSSS. "Usage directions" means the text or graphics on the product label or accompanying literature that describes to the end user how and in what quantity the product is to be used.
- VI.TTTTTT. "Vinyl/fabric/leather/polycarbonate coating" means a coating designed and labeled exclusively to coat vinyl, fabric, leather, or polycarbonate substrates.
- VI.UUUUUU. "Wasp and hornet insecticide" means any insecticide product that is designed for use against wasps, hornets, yellow jackets or bees by allowing the user to spray from a distance a directed stream or burst at the intended insects or their hiding place.
- VI.VVVVVV. "Waterproofer" means a product designed and labeled exclusively to repel water from fabric or leather substrates. Waterproofer does not include fabric protectants.
- VI.WWWWWW. "Wax" means a material or synthetic thermoplastic substance generally of high molecular weight hydrocarbons or high molecular weight esters of fatty acids or alcohols, except glycerol and high polymers (plastics) and includes, but is not limited to, substances derived from the secretions of plants and animals such as carnauba wax and beeswax, substances of a mineral origin such as ozocerite and paraffin, and synthetic polymers such as polyethylene.
- VI.XXXXXX. "Web spray adhesive" means any aerosol adhesive that is not a mist spray adhesive or special purpose spray adhesive.
- VI.YYYYYY. "Wood cleaner" means a product labeled to clean wooden materials and includes, but is not limited to, decking, fences, flooring, logs, cabinetry, and furniture. Wood cleaner does not include dusting aid, general purpose cleaner, furniture maintenance product, floor wax stripper, floor polish or wax, or products designed and labeled exclusively to preserve or color wood.
- VI.ZZZZZZ. "Wood floor wax" means wax-based products for use solely on wood floors.
- VI.AAAAAA. "Zinc-rich primer" means a coating that contains at least 65 percent metallic zinc powder or zinc dust by weight of total solids and is formulated for application to metal substrates to provide a firm bond between the substrate and subsequent applications of coatings. Zinc-rich primers must be labeled in accordance with Part B, Section III.D.10.

PART B CONCERNING ARCHITECTURAL AND INDUSTRIAL MAINTENANCE COATINGS

I. Applicability

I.A. This part applies to any person who supplies, sells, offers for sale, or manufacturers any architectural or industrial maintenance coating and any person who applies or solicits the application of any architectural or industrial maintenance coating in

I.A.1. The 8-hour Ozone Control Area.

I.A.2. (State Only) Colorado. As marked by (State Only), the requirements are not federally enforceable.

I.B. This part does not apply to

I.B.1. Any architectural or industrial maintenance coating that is sold, supplied, offered for sale, or manufactured for use outside Colorado or shipped to other manufacturers for reformulation or repackaging.

I.B.2. Any aerosol coating product.

I.B.3. Any architectural or industrial maintenance coating that is sold in a container with a volume of one liter (1.057 quart) or less, including kits containing containers of different colors, types, or categories of coatings and two component products. This exemption includes multiple containers or one liter or less that are packaged and shipped together with no intent or requirement to ultimately sell as one unit. This exemption does not include bundling of containers one liter or less that are sold together as a unit or any type of marketing that implies that multiple containers one liter or less be combined into one container. This exemption does not include packaging from which the coating cannot be applied.

II. Standards

II.A. On or after May 1, 2020, no person can manufacture or blend for sale in Colorado any architectural or industrial maintenance coating with a VOC content in excess of the VOC limit specified in Table 1.

II.B. No person can supply, sell, offer for sale, repackage for sale, apply, or solicit for application in Colorado any architectural or industrial maintenance coating that is manufactured or blended on or after May 1, 2020, with a VOC content in excess of the VOC limit specified in Table 1.

II.C. If an architectural or industrial maintenance coating is recommended for use for more than one of the coating categories listed in Table 1, then the most restrictive VOC content limit shall apply. This provision does not apply to the following coating categories

II.C.1. Aluminum roof coatings.

II.C.2. Bituminous roof primers.

II.C.3. High temperature coatings.

II.C.4. Industrial maintenance coatings.

II.C.5. Low-solids coatings.

II.C.6. Metallic pigmented coatings.

- II.C.7. Pretreatment wash primers.
- II.C.8. Shellacs.
- II.C.9. Specialty primers, sealers, and undercoaters.
- II.C.10. Wood coatings.
- II.C.11. Wood preservatives.
- II.C.12. Zinc-rich primers.
- II.C.13. Calcimine recoaters.
- II.C.14. Impacted immersion coatings.
- II.C.15. Nuclear coatings.
- II.C.16. Thermoplastic rubber coatings and mastic.
- II.C.17. Concrete surface retarders.
- II.D. For any architectural or industrial maintenance coating that is not identified in Table 1, the VOC content limit will be determined by classifying the coating as a flat coating, nonflat coating, or nonflat-high gloss coating and the corresponding coating limit of Table 1 applies.
- II.E. No person who applies or solicits the application of any architectural or industrial maintenance coating can apply the coating if additional solvent has been added to thin the coating such that the addition causes the coating to exceed the applicable VOC limit specified in Table 1.
- II.F. Containers of architectural and industrial maintenance coatings that are applied directly to a surface from the container by pouring, siphoning, brushing, rolling, padding, ragging, or other means must be closed when not in use. These containers include, but are not limited to, drums, buckets, cans, pails, trays, or other application containers. Containers of any VOC-containing materials used for thinning and cleanup must also be closed when not in use.

Table 1 – VOC content limits for architectural and industrial maintenance coatings manufactured on or after May 1, 2020	
Coating category	VOC content limit (grams per liter)*
Flat coatings	50
Nonflat coatings	100
Nonflat – high gloss coatings	150
Specialty coatings	
* Aluminum roof	450

* Basement specialty coatings	400
* Bituminous roof coating	270
* Bituminous roof primers	350
* Bond breakers	350
* Calcimine recoaters	475
Concrete curing compounds	350
Concrete/masonry sealer	100
Concrete surface retarders	780
Conjugated oil varnishes	450
Conversion varnish	725
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire-resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coating (sign paints)	500
High temperature coatings	420
Impacted immersion coatings	780
Industrial maintenance coatings	250
Low-solids coatings	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multi-color coating	250
Nuclear coatings	450

Pre-treatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealer	350
Reactive penetrating carbonate stone sealer	500
Recycled coatings	250
Roof coatings	250
Rust preventative coatings	250
Shellacs	
* Clear	730
* Opaque	550
Specialty primers, sealers, and undercoaters	100
Stains	250
Stone consolidant	450
Swimming pool coatings	340
Thermoplastic rubber coatings and mastics	550
Traffic marking coatings	100
Tub and tile refinish	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primer	340

* Limits are expressed as VOC content, as determined in accordance with Section V., thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

III. Container labeling

- III.A. The manufacturer of any architectural or industrial maintenance coating subject to a VOC limit in Table 1 must clearly display on the container label, lid, or bottom such that it is readily observable without disassembling the container or package the date the coating was

manufactured or a date code representing the date of manufacture. The date or date code must be displayed on the product such that it is readily observable without removing or disassembling any portion of the product container or packaging.

- III.B. The manufacturer of any architectural or industrial maintenance coating must clearly display on the container label or lid a statement of the manufacturer's recommendation regarding thinning of the coating. This requirement does not apply to the thinning of coatings with water. If thinning is not necessary prior to use, the recommendation must specify that the coating is to be applied without thinning.
- III.C. The manufacturer of any architectural or industrial maintenance coating must clearly display on the container label, lid, or bottom the VOC content in grams per liter of coating. If the manufacturer recommends thinning, the container must display the VOC content including the maximum amount of thinning solvent recommended by the manufacturer. If the coating is a multi-component product, the container must display the VOC content as mixed or catalyzed. If the coating contains silanes, siloxanes, or other ingredient that generate ethanol or other VOCs during the curing process, the VOC content must include the VOCs emitted during curing.
- III.D. The manufacturer must clearly display on the container label
 - III.D.1. For any industrial maintenance coating, at least one of the following statements
 - III.D.1.a. "For industrial use only"
 - III.D.1.b. "For professional use only"
 - III.D.1.c. "Not for residential use" or "Not intended for residential use"
 - III.D.2. For any specialty primer, sealer, or undercoating, at least one of the following statements
 - III.D.2.a. "For blocking stains"
 - III.D.2.b. "For fire-damaged substrates"
 - III.D.2.c. "For smoke-damaged substrates"
 - III.D.2.d. "For water-damaged substrates"
 - III.D.3. For any clear topcoat faux finishing coating, "This product can only be sold or used as part of a faux finishing coating system."
 - III.D.4. For any clear brushing lacquer, "For brush application only" and "This product must not be thinned or sprayed."
 - III.D.5. For any non-flat high-gloss coating, "High gloss."
 - III.D.6. For any rust preventative coating, "For metal substrates only."
 - III.D.7. For any reactive penetrating sealer, "Reactive penetrating sealer."
 - III.D.8. For any stone consolidant, "Stone consolidant – for professional use only."
 - III.D.9. For any wood coating, "For wood substrates only."

III.D.10. For any zinc-rich primer, at least one of the following statements

III.D.10.a. "For industrial use only"

III.D.10.b. "For professional use only"

III.D.10.c. "Not for residential use" or "Not intended for residential use"

IV. Reporting

IV.A. Within 180 days of written notice, the Division may require a manufacturer to report any of the following information for any architectural or industrial maintenance coating subject to a VOC limit in Table 1

IV.A.1. The name and mailing address of the manufacturer.

IV.A.2. The name, address, and telephone number of a contact person.

IV.A.3. The name of the coating product as it appears on the label and the application coating category.

IV.A.4. Whether the product is marketed for interior or exterior use or both.

IV.A.5. Whether the product is marketed as solvent-borne, waterborne, or 100% solids.

IV.A.6. Whether the coating is a single-component or multi-component product.

IV.A.7. The description of resin or binder in the product.

IV.A.8. The number of gallons sold in Colorado in containers greater than one liter (1.057 quart) and in containers equal to or less than one liter (1.057 quart).

IV.A.9. The VOC content in grams per liter as determined in accordance with Section V. If thinning is recommended, the VOC content after maximum recommended thinning. If containers less than one liter have a different VOC content than containers greater than one liter, list separately. If the coating is a multi-component product, provide the VOC Content as mixed or catalyzed.

IV.A.10. The names and CAS numbers of the VOC constituents in the product.

IV.A.11. The names and CAS numbers of the VOC constituents in the product that are exempted from the definition of VOC.

IV.A.12. The density of the product in pounds per gallon.

IV.A.13. The percent by weight of solids, all volatile materials, water, and any compounds in the product that are exempted from the definition of VOC.

IV.A.14. The percent by volume of solids, water, and any compounds in the product that are exempted from the definition of VOC.

IV.A.15. Documentation explaining the date portion of the date code indicating the date of manufacture.

V. Test methods

V.A. Manufacturers of architectural or industrial maintenance coatings must possess documentation that such coating complies with the VOC content limits in Table 1.

V.A.1. The VOC content of a coating will be determined as follows

V.A.1.a. For coatings that are low solids coatings

$$\text{VOC content} = (W_s - W_w - W_{ec})/V_m$$

Where:

VOC content = grams of VOC per liter of coating (must include the maximum amount of thinning solvent recommended by the manufacturer)

W_s = weight of volatiles in grams

W_w = weight of water in grams

W_{ec} = weight of exempt compounds in grams

V_m = volume of coating in liters

V.A.1.b. For coatings that are not low solids coatings

$$\text{VOC content} = (W_s - W_w - W_{ec})/(V_m - V_w - V_{ec})$$

Where:

VOC content = grams of VOC per liter of coating (must include the maximum amount of thinning solvent recommended by the manufacturer)

W_s = weight of volatiles in grams

W_w = weight of water in grams

W_{ec} = weight of exempt compounds in grams

V_m = volume of coating in liters

V_w = volume of water in liters

V_{ec} = volume of exempt compounds in liters

V.A.1.b.(i) The VOC content of multi-component products must be calculated as mixed or catalyzed.

V.A.1.b.(ii) The VOC content of coatings containing silanes, siloxanes, or other ingredients that generate ethanol or other VOCs during the curing process must include the VOCs emitting during curing.

V.A.1.c. The VOC content of a tint base must be determined without colorant that is added after the tint base is manufactured.

- V.A.2. The physical properties of a coating must be determined using EPA Method 24 (40 CFR Part 60, Appendix A) (February 27, 2014) or SCAQMD Method 303-91 "Determination of Exempt Compounds" (revised 1993).
- V.A.3. The exempt compounds content of a coating must be determined using ASTM D 3960-05 "Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings" (2018), SCAQMD Method 303-91 "Determination of Exempt Compounds" (revised 1993), BAAQMD Method 43 "Determination of Volatile Methylsiloxanes in Solvent-Based Coatings, Inks, and Related Materials" (adopted 1996) or BAAQMD Method 41 "Determination of Volatile Organic Compounds in Solvent-Based Coatings and Related Materials Containing Parachlorobenzotrifluoride" (adopted 1995).
- V.A.4. The VOC content of a coating must be determined using EPA Method 24 (40 CFR Part 60, Appendix A) (February 27, 2014), formulation data, or any other reasonable means for predicting that the coating has been formulated as intended (e.g., quality assurance checks, recordkeeping). If there are inconsistencies between EPA Method 24 results and other means for determining VOC content, the Method 24 results will govern.
- V.A.5. The analysis of methacrylate multicomponent coatings used as traffic marking coatings will be conducted according to a modification of EPA Method 24 "Determination of Volatile Matter Content of Methacrylate Multicomponent Coatings Used as Traffic Marking Coatings" (40 CFR 59, subpart D, Appendix A) (September 11, 1998).

VI. Definitions

- VI.A. "8-Hour Ozone Control Area" means the Counties of Adams, Arapahoe, Boulder (includes part of Rocky Mountain National Park), Douglas, and Jefferson; the Cities and Counties of Denver and Broomfield; and the following portions of the Counties of Larimer and Weld:
 - VI.A.1. For Larimer County (includes part of Rocky Mountain National Park), that portion of the county that lies south of a line described as follows: Beginning at a point on Larimer County's eastern boundary and Weld County's western boundary intersected by 40 degrees, 42 minutes, and 47.1 seconds north latitude, proceed west to a point defined by the intersection of 40 degrees, 42 minutes, 47.1 seconds north latitude and 105 degrees, 29 minutes, and 40.0 seconds west longitude, thence proceed south on 105 degrees, 29 minutes, 40.0 seconds west longitude to the intersection with 40 degrees, 33 minutes and 17.4 seconds north latitude, thence proceed west on 40 degrees, 33 minutes, 17.4 seconds north latitude until this line intersects Larimer County's western boundary and Grand County's eastern boundary.
 - VI.A.2. For Weld County, that portion of the county that lies south of a line described as follows: Beginning at a point on Weld County's eastern boundary and Logan County's western boundary intersected by 40 degrees, 42 minutes, 47.1 seconds north latitude, proceed west on 40 degrees, 42 minutes, 47.1 seconds north latitude until this line intersects Weld County's western boundary and Larimer County's eastern boundary.
- VI.B. "Adhesive" means any chemical substance that is applied for the purpose of bonding two surfaces together other than by mechanical means.

- VI.C. "Aerosol coating product" means a pressurized coating product containing pigments or resins that dispenses product ingredients by means of a propellant, and is packaged in a disposable can for hand-held application, or for use in specialized equipment for ground traffic/markings applications.
- VI.D. "Aluminum roof coating" means a coating labeled and formulated exclusively for application to roofs and containing at least 84 grams of elemental aluminum pigment per liter of coating (at least 0.7 pounds per gallon). Pigment content shall be determined in accordance with SCAQMD Method 318-95 "Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction" (July 1996).
- VI.E. "Appurtenance" means any accessory to a stationary structure coated at the site of installation, whether installed or detached, including but not limited to: bathroom and kitchen fixtures; cabinets; concrete forms; doors; elevators; fences; hand railings; heating equipment, air conditioning equipment, and other fixed mechanical equipment or stationary tools; lampposts; partitions; pipes and piping systems; rain gutters and downspouts; stairways; fixed ladders; catwalks and fire escapes; and window screens.
- VI.F. "Architectural coating" means a coating to be applied to stationary structures or their appurtenances at the site of installation, to portable buildings at the site of installation, to pavements, or to curbs. Architectural coating does not include coatings applied in shop applications or to non-stationary structures such as airplanes, ships, boats, railcars, and automobiles, as well as adhesives.
- VI.G. "Basement specialty coating" means a clear or opaque coating that is labeled and formulated for application to concrete and masonry surfaces to provide a hydrostatic seal for basements and other below-grade surfaces. Basement specialty coatings must be capable of withstanding at least 10 psi of hydrostatic pressure as determined in accordance with ASTM D7088-04 "Standard Practice for Resistance to Hydrostatic Pressure for Coatings Used in Below Grade Applications Applied to Masonry" (2017) and must be resistant to mold and mildew growth and must achieve a microbial growth rating of 8 or more as determined in accordance with ASTM D3273-00 "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber" (2016) and ASTM D3274-95 "Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation" (2017).
- VI.H. "Bitumens" means black or brown materials including, but not limited to, asphalt, tar, pitch, and asphaltite that are soluble in carbon disulfide, consist mainly of hydrocarbons, and are obtained from natural deposits or as residues from the distillation of crude petroleum or coal.
- VI.I. "Bituminous roof coating" means a coating which incorporates bitumens that is labeled and formulated exclusively for roofing for the primary purpose of preventing water penetration.
- VI.J. "Bituminous roof primer" means a primer which incorporates bitumens that is labeled and formulated exclusively for roofing and intended for the purpose of preparing a weathered or aged surface or improving the adhesion of subsequent surfacing components.
- VI.K. "Bond breaker" means a coating labeled and formulated for application between layers of concrete to prevent a freshly poured top layer of concrete from bonding to the layer over which it is poured.

- VI.L. "Calcimine recoaters" means a flat solvent borne coating formulated and recommended specifically for recoating calcimine-painted ceilings and other calcimine-painted substrates.
- VI.M. "Coating" means a material applied onto or impregnated into a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, sealers, and stains.
- VI.N. "Colorant" means a concentrated pigment dispersion in water, solvent, and/or binder that is added to an architectural coating after packaging in sale units to produce the desired color.
- VI.O. "Concrete curing compound" means a coating labeled and formulated for application to freshly poured concrete to retard the evaporation of water or harden or dustproof the surface of freshly poured concrete.
- VI.P. "Concrete/masonry sealer" means a clear or opaque coating that is labeled and formulated primarily for application to concrete and masonry surfaces to prevent penetration of water; provide resistance against abrasion, alkalis, acids, mildew, staining, or ultraviolet light; or harden or dustproof the surface of aged or cured concrete.
- VI.Q. "Concrete surface retarders" means a mixture of retarding ingredients such as extender pigments, primary pigments, resin, and solvent that interact chemically with the cement to prevent hardening on the surface where the retarder is applied, allowing the retarded mix of cement and sand at the surface to be washed away to create an exposed aggregate finish.
- VI.R. "Conjugated oil varnish" means a clear or semi-transparent wood coating, labeled as such, excluding lacquers or shellacs, based on a natural occurring conjugated vegetable oil (Tung oil) and modified with other natural or synthetic resins; a minimum of fifty percent of the resin solids consisting of conjugated oil. Supplied as a single component product, conjugated oil varnishes penetrate and seal the wood. Film formation is due to polymerization of the oil. These varnishes may contain small amounts of pigment to control the final gloss or sheen.
- VI.S. "Conversion varnish" means a clear acid curing coating with an alkyd or other resin blended with amino resins and supplied as a single component or two component product. Conversion varnishes produce a hard, durable, clear finish designed for professional application to wood flooring. This film formation is the result of an acid-catalyzed condensation reaction, affecting transesterification at the reactive ethers of the amino resins.
- VI.T. "Driveway sealer" means a coating labeled and formulated for application to worn asphalt driveway surfaces to fill cracks, seal the surface to provide protection, or restore or preserve the appearance.
- VI.U. "Dry fog coating" means a coating labeled and formulated only for spray application such that overspray droplets dry before subsequent contact with incidental surfaces in the vicinity of the surface coating activity.
- VI.V. "Faux finishing coating" means a coating labeled and formulated to create artistic effects including, but not limited to, dirt, old age, smoke damage, and simulated marble and wood grain; a metallic, iridescent, or pearlescent appearance that contains at least 48 grams of pearlescent mica pigment or other iridescent pigment per liter of coating as applied (at least 0.4 pounds per gallon); a metallic appearance that contains greater than

48 grams of elemental metallic pigment (determined in accordance with SCAQMD Method 318-95 "Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction" (July 1996)) per liter of coating as applied (0.4 pounds per gallon) and which requires a clear topcoat to prevent the degradation of the finish under normal use conditions; or a clear topcoat to seal and protect a faux finishing coating. These clear topcoats must be sold and used solely as part of a faux finishing coating system.

- VI.W. "Fire-resistive coating" means a coating labeled and formulated to protect the structural integrity by increasing the fire endurance of interior or exterior steel and other structural materials and includes sprayed fire resistive materials and intumescent fire resistive coatings that are used to bring structural materials into compliance with federal, state, and local building code requirements. The fire-resistive coating must be tested in accordance with ASTM Designation E 119-08 "Standard Test Methods for Fire Tests of Building Construction and Materials" (2018).
- VI.X. "Flat coating" means a coating that is not defined under any other definition in this rule and that registers gloss less than 15 on an 85-degree meter or less than five on a 60-degree meter according to ASTM D 523-89 "Standard Test Method for Specular Gloss" (1999).
- VI.Y. "Floor coating" means an opaque coating that is labeled and designed for application to flooring, including, but not limited to, decks, porches, steps, and other horizontal surfaces which may be subject to foot traffic.
- VI.Z. "Form-release compound" means a coating labeled and formulated for application to a concrete form to prevent the freshly poured concrete from bonding to the form. The form may consist of wood, metal, or some material other than concrete.
- VI.AA. "Graphic arts coating or sign paint" means a coating labeled and formulated for hand application by artists using brush, airbrush or roller techniques to indoor and outdoor signs (excluding structural components) and murals including letter enamels, poster colors, copy blockers, and bulletin enamels.
- VI.BB. "High-temperature coating" means a high performance coating labeled and formulated for application to substrates exposed continuously or intermittently to temperatures above 204 degrees C (400 degrees F).
- VI.CC. "Impacted immersion coating" means a high performance maintenance coating formulated and recommended for application to steel structures subject to immersion in turbulent, debris-laden water.
- VI.DD. "Industrial maintenance coating" means a high performance architectural coating, including primers, sealers, undercoaters, intermediate coats, and topcoats, formulated for application to substrates, including floors, and exposed to one or more of the following extreme environmental conditions: immersion in water, wastewater, or chemical solutions (aqueous and non-aqueous solutions), or chronic exposures of interior surfaces to moisture condensation; acute or chronic exposure to corrosive, caustic, or acidic agents, or to chemicals, chemical fumes, or chemical mixtures or solutions; frequent exposure to temperatures above 121°C (250°F); frequent heavy abrasion, including mechanical wear and scrubbing with industrial solvents, cleansers, or scouring agents; or exterior exposure of metal structures and structural components. Industrial maintenance coatings must be labeled as specified in Part B, Section III. D.1.

- VI.EE. "Low-solids coating" means a coating containing 0.12 kilogram or less of solids per liter (1 pound or less of solids per gallon) of coating material as recommended for application by the manufacturer.
- VI.FF. "Magnesite cement coating" means a coating labeled and formulated for application to magnesite cement decking to protect the magnesite cement substrate from erosion by water.
- VI.GG. "Manufacturer's maximum thinning recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.
- VI.HH. "Mastic texture coating" means a coating labeled and formulated to cover holes and minor cracks and to conceal surface irregularities, and is applied in a single coat of at least 10 mils (0.010 inch) dry film thickness.
- VI.II. "Medium density fiberboard (MDF)" means a composite wood product, panel, molding, or other building material composed of cellulosic fibers made by dry forming and pressing of resonated fiber mat.
- VI.JJ. "Metallic pigmented coating" means a coating that is labeled and formulated to provide a metallic appearance. Metallic pigmented coatings must contain containing at least 48 grams of elemental metallic pigment (excluding zinc) per liter of coating as applied (at least 0.4 pounds per gallon), when tested in accordance with SCAQMD Method 318-95 "Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction" (July 1996). The Metallic pigmented coating category does not include coatings applied to roofs or zinc rich primers.
- VI.KK. "Multi-color coating" means a coating that is packaged in a single container and that is labeled and formulated to exhibits more than one color when applied in a single coat.
- VI.LL. "Non-flat coating" means a coating that is not defined under any other definition in this rule and that registers a gloss of 15 or greater on an 85-degree meter and 5 or greater on a 60-degree meter according to ASTM Designation D 523-89 "Standard Test Method for Specular Gloss" (1999).
- VI.MM. "Non-flat - high gloss coating" means a non-flat coating that registers a gloss of 70 or greater on a 60-degree meter according to ASTM Designation D 523-89 "Standard Test Method for Specular Gloss" (1999).
- VI.NN. "Nuclear coating" means a protective coating formulated and recommended to seal porous surfaces such as steel or concrete that otherwise would be subject to intrusion by radioactive materials. These coatings must be resistant to long term (service life) cumulative radiation exposure according to ASTM Method 4082-02 "Standard Test Method for Effects of Gamma Radiation on Coatings for Use in Light-Water Nuclear Power Plants" (2017), relatively easy to decontaminate, and resistant to various chemicals to which the coatings are likely to be exposed according to ASTM Method D 3912-95 "Standard Test Method for Chemical Resistance of Coatings Used in Light-Water Nuclear Power Plants" (2001).
- VI.OO. "Particleboard" means a composite wood product panel, molding, or other building material composed of cellulosic material in the form of discrete particles, as distinguished from fibers, flakes, or strands, which are pressed together with resin.
- VI.PP. "Pearlescent" means exhibiting various colors depending on the angles of illumination and viewing, as observed in mother-of-pearl.

- VI.QQ. "Plywood" means a panel product consisting of layers of wood veneers or composite core pressed together with resin.
- VI.RR. "Post-consumer coating" means a finished coating that would have been disposed of in a landfill, having completed its usefulness to a consumer, and does not include manufacturing wastes.
- VI.SS. "Pre-treatment wash primer" means a primer that contains a minimum of 0.5 percent acid, by weight, when tested in accordance with ASTM D 1613-06 "Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and Related Products" (2017), that is labeled and formulated for application directly to bare metal surfaces to provide corrosion resistance and to promote adhesion of subsequent topcoats.
- VI.TT. "Primer, sealer, and undercoater" means a coating labeled and formulated to provide a firm bond between the substrate and the subsequent coatings; prevent subsequent coatings from being absorbed by the substrate; prevent harm to subsequent coatings by materials in the substrate; provide a smooth surface for the subsequent application of coatings; provide a clear finish coat to seal the substrate; or block materials from penetrating into or leaching out of a substrate.
- VI.UU. "Reactive penetrating sealer" means a clear or pigmented coating that is labeled and formulated for application to above-grade concrete and masonry substrates to provide protection from water and waterborne contaminants, including but not limited to, alkalis, acids, and salts. Reactive penetrating sealers must penetrate into concrete and masonry substrates and chemically react to form covalent bonds with naturally occurring minerals in the substrate. Reactive penetrating sealers line the pores of concrete and masonry substrates with a hydrophobic coating, but do not form a surface film. Reactive penetrating sealers must improve water repellency at least 80 percent after application on a concrete or masonry substrate, as verified on standardized test specimens in accordance with one or more of ASTM C67-07 "Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile" (2018), ASTM C97-02 "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone" (2018), or ASTM C140-06 "Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units" (2018); must not reduce the water vapor transmission rate by more than 2 percent after application on a concrete or masonry substrate, as verified on standardized test specimens in accordance with ASTM E96/E96M-05 "Standard Test Method for Water Vapor Transmission of Materials" (2016); and products labeled and formulated for vehicular traffic surface chloride screening applications must meet the performance criteria listed in the National Cooperative Highway Research Report 244 "Concrete Sealers for the Protection of Bridge Structures" (1981).
- VI.VV. "Reactive penetrating carbonate stone sealer" means a clear or pigmented coating that is labeled and formulated for application to above-grade carbonate stone substrates to provide protection from water and waterborne contaminants, including, but not limited to, alkalis, acids, and salts. Reactive penetrating carbonate stone sealers must penetrate into carbonate stone substrates and chemically react to form covalent bonds with naturally occurring minerals in the substrates. Reactive penetrating carbonate stone sealers line the pores of carbonate stone substrates with a hydrophobic coating but do not form a surface film. Reactive penetrating carbonate stone sealers must improve water repellency at least 80 percent after application on a carbonate stone substrate, as verified in accordance with ASTM C67-07 "Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile" (2018), ASTM C97-02 "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone" (2018), or ASTM C140-06 "Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units" (2018), and must not reduce the water vapor transmission rate by more than 10

percent after application on a carbonate stone substrate, as verified in accordance with ASTM E96/E96M-05 "Standard Test Method for Water Vapor Transmission of Materials" (2016).

- VI.WW. "Recycled coating" means an architectural coating formulated such that it contains a minimum of 50% by volume post-consumer coating, with a maximum of 50% by volume secondary industrial materials or virgin materials.
- VI.XX. "Residential" means areas where people reside or lodge, including, but not limited to, single and multiple family dwellings, condominiums, mobile homes, apartment complexes, motels, and hotels.
- VI.YY. "Roof coating" means a non-bituminous coating labeled and formulated for application to roofs for the primary purpose of preventing water penetration of the substrate by water, reflecting heat and ultraviolet light, or reflecting solar radiation. Metallic pigmented roof coatings, which qualify as metallic pigmented coatings, are considered to be in the metallic pigmented coatings category.
- VI.ZZ. "Rust preventive coating" means a coating formulated exclusively for nonindustrial use to prevent the corrosion of metal surfaces for direct-to-metal coating or application over rusty, previously coated surfaces. The rust preventative category does not include coatings that are required to be applied as a topcoat over a primer or coatings that are intended for use on wood or any other nonmetallic surface.
- VI.AAA. "Secondary industrial materials" means a finished coating or a finished coating from a manufacturing process that has converted resources into a commodity of real economic value including products or byproducts of the paint manufacturing process that are of known composition and have economic value but can no longer be used for their intended use, but does not include excess virgin resources of the manufacturing process.
- VI.BBB. "Semi-transparent coating" means a coating that contains binders and colored pigments and is formulated to change the color of the surface, but not conceal the grain pattern or texture.
- VI.CCC. "Shellac" means a clear or opaque coating formulated solely with the resinous secretions of the lac beetle (*Laccifer lacca*), thinned with alcohol, and formulated to dry by evaporation without a chemical reaction.
- VI.DDD. "Shop application" means application of a coating to a product or a component of a product in or on the premises of a factory or a shop as part of a manufacturing, production, or repairing process.
- VI.EEE. "Solicit" means to require for use or to specify, by written or oral contract.
- VI.FFF. "Specialty primer, sealer, and undercoater" means a coating that is formulated for application to a substrate to block water-soluble stains resulting from: fire damage, smoke damage, or water damage.
- VI.GGG. "Stain" means a semi-transparent or opaque coating labeled and formulated to change the color of a surface but not conceal the grain pattern or texture.
- VI.HHH. "Stone consolidant" means a coating that is labeled and formulated for application to stone substrates to repair historical structures that have been damaged by weathering or other decay mechanisms. Stone consolidants must penetrate into stone substrates to create bonds between particles and consolidate deteriorated material and

be specified and used in accordance with ASTM E2167-01 "Standard Guide for Selection and Use of Stone Consolidants" (2008).

- VI.III. "Swimming pool coating" means a coating labeled and formulated to coat the interior of swimming pools and to resist swimming pool chemicals and includes coatings used for swimming pool repair and maintenance.
- VI.JJJ. "Thermoplastic rubber coating and mastic" means a coating or mastic formulated and recommended for application to roofing or other structural surfaces and that incorporates no less than 40 percent by weight of thermoplastic rubbers in the total resin solids and may also contain other ingredients including, but not limited to, fillers, pigments, and modifying resins.
- VI.KKK. "Tint base" means an architectural coating to which colorant is added after packaging in sale units to produce a desired color.
- VI.LLL. "Traffic marking coating" means a coating labeled and formulated for marking and striping streets, highways, or other traffic surfaces including, but not limited to, curbs, berms, driveways, parking lots, sidewalks, and airport runways.
- VI.MMM. "Tub and tile refinish coating" means a clear or opaque coating that is labeled and formulated exclusively for refinishing the surface of a bathtub, shower, sink, or countertop. Tub and tile refinish coatings must have a scratch hardness of 3H or harder and a gouge hardness of 4H or harder, as determined on bonderite 1000 in accordance with ASTM D3363-05 "Standard Test Method for Film Hardness by Pencil Test" (2011); a weight loss of 20 milligrams or less after 1000 cycles, as determined with CD-17 wheels on bonderite 1000 in accordance with ASTM D4060-07 "Standard Test Methods for Abrasion Resistance of Organic Coatings by the Taber Abraser" (2014); withstand 1000 hours or more of exposure with few or no #8 blisters, as determined on unscribed bonderite in accordance with ASTM D4585-99 "Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation" (2018) and ASTM D714-02e1 "Standard Test Method for Evaluating Degree of Blistering of Paints" (2017); and have an adhesion rating of 4B or better after 24 hours of recovery, as determined on inscribed bonderite in accordance with ASTM D4585-99 "Standard Test Methods for Abrasion Resistance of Coatings Using Controlled Condensation" (2018) and ASTM D3359-02 "Standard Test Methods for Measuring Adhesion by Tape Test" (2017).
- VI.NNN. "Veneer" means thin sheets of wood peeled or sliced from logs for use in the manufacture of wood products such as plywood, laminated veneer lumber, or other products.
- VI.OOO. "Virgin materials" means materials that contain no post-consumer coatings or secondary industrial coatings.
- VI.PPP. "Waterproofing membrane" means a clear or opaque coating that is labeled and formulated for application to concrete and masonry surfaces to provide a seamless waterproofing membrane that prevents any penetration of liquid water into the substrate and does not include topcoats in the concrete/masonry sealer category. Waterproofing membranes are intended for below-grade surfaces, between concrete slabs, inside tunnels, inside concrete planters, and under flooring materials. Waterproofing membranes must be applied in a single coat of at least 25 mils (at least 0.025 inch) dry film thickness and meet or exceed the requirements contained in ASTM C836-06 "Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course" (2018). Waterproofing membranes do not include topcoats that are included in the concrete/masonry sealer category (e.g., parking deck topcoats, pedestrian topcoats, etc.)

VI.QQQ. “Wood coatings” means coatings labeled and formulated for application to wood substrates only. The wood coatings category includes the following clear and semitransparent coatings: lacquers; varnishes; sanding sealers; penetrating oils; clear stains; wood conditioners used as undercoats; and wood sealers used as topcoats. The wood coatings category includes the following opaque wood coatings; opaque lacquers; opaque sanding sealers; and opaque lacquer undercoaters. Wood coatings does not include clear sealers that are labeled and formulated for use on concrete/masonry surfaces or coatings intended for substrates other than wood.

VI.RRR. “Wood preservative” means a coating labeled and formulated to protect exposed wood from decay or insect attack that is registered with the U.S. EPA under the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. section 136, et. seq. (1996)).

VI.SSS. “Wood substrate” means a substrate made of wood, particleboard, plywood, medium density fiberboard, rattan, wicker, bamboo, or composite products with exposed wood grain. Wood Products do not include items comprised of simulated wood.

VI.TTT. “Zinc-rich primer” means a coating that contains at least 65 percent metallic zinc powder or zinc dust by weight of total solids and is formulated for application to metal substrates to provide a firm bond between the substrate and subsequent applications of coatings. Zinc-rich primers must be labeled in accordance with Section III.D.10.

PART C STATEMENTS OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE

I. Adopted: July 18, 2019

This Statement of Basis, Specific Statutory Authority, and Purpose complies with the requirements of the Colorado Administrative Procedure Act §24-4-103, the Colorado Air Pollution Prevention and Control Act §§25-7-110 and 25-7-110.5, and the Air Quality Control Commission’s (Commission) Procedural Rules.

Basis

On May 4, 2016, the U.S. Environmental Protection Agency (EPA) published a final rule that determined that Colorado’s Marginal ozone nonattainment area failed to attain the 2008 8-hour Ozone National Ambient Air Quality Standard (NAAQS). EPA, therefore, reclassified the Denver Metro North Front Range (DMNFR) area to Moderate and required attainment of the NAAQS no later than July 20, 2018.

In 2015, EPA revised the ozone NAAQS from 0.075 parts per million (ppm) to 0.070 ppm. On June 4, 2018, EPA published a final rule that classified the DMNFR as a Marginal ozone nonattainment area for the 2015 8-hour ozone NAAQS, with an attainment date of August 3, 2021.

In a continued effort to reduce ozone precursor emissions and achieve the ozone NAAQS, the Commission adopted a new Regulation Number 21 to establish VOC content limits for consumer products and AIM coatings manufactured and/or sold in Colorado. The Ozone Transport Commission (OTC) model rules, which are the basis for this rule, achieve additional VOC reductions over EPA’s national rules in 40 CFR Part 59, Subparts C and D (1998). Therefore, these standards will reduce VOC emissions from consumer products and AIM coatings and contribute to attaining and maintaining the ozone NAAQS in Colorado.

Specific Statutory Authority

The Colorado Air Pollution Prevention and Control Act, §§25-7-105(1)(a), 25-7-201 through 25-7-206, 25-7-210, 25-7-301, and 25-7-302, C.R.S., authorize the Commission to promulgate a comprehensive State Implementation Plan (SIP) to assure attainment and maintenance of national ambient air quality standards in conformance with the Federal and Colorado Acts. Sections 105(1)(b) and 109 authorize the

Commission to establish emission control regulations, including pertaining to hydrocarbons. Section 106(1) authorizes the Commission to establish emission control regulations applicable to the entire state or only within specified areas of the state. Section 106(6) authorizes the Commission to require owners or operators of any air pollution source to establish and maintain reports and record, monitor, and sample emissions. Section 109(2) authorizes the Commission to adopt emission control regulations to reduce emissions of various pollutants, including chemical substances.

Purpose

Consumer products include, for example, adhesives, air-fresheners, cleaners, hair products, and insecticides. AIM coatings include, for example, coatings applied to stationary structures, portable buildings, pavements, or curbs.

The Commission adopted VOC standards in the OTC model rules for consumer products and AIM coatings manufactured, distributed, or sold in Colorado. The standards as applied in the DMNFR are included in Colorado's ozone State Implementation Plan (SIP) and in the remainder of the state as state-only requirements. Specifically, the Commission adopted VOC standards in the OTC AIM coatings model rule phase II (2014) and VOC standards in the OTC consumer products model rule phase IV (2013). The OTC model rules are based on the California Air Resources Board (CARB) standards. CARB develops standards based on technical information and extensive survey data, which is also used to determine compliance with the standards. The Commission adopted definitions, exemptions, labeling, and recordkeeping provisions based on the OTC model rules. The Commission intends that the adopted definitions have the same meanings as in the OTC model rules.

Consumer Products

The Commission adopted VOC content limits, labeling, and reporting provisions for consumer products based on the OTC model rule phase IV. The OTC has also published consumer products model rules phases I, II, III, and V. The OTC model rule phase V was only published in 2018. The Commission adopted Regulation Number 21 based on the OTC model rule phase IV due to the current implementation of this phase by some states, notably by Utah, and the potential increase in VOC emission reductions over EPA's national rule.

The OTC model rule includes provisions to regulate two chemical substances – methylene chloride and perchloroethylene – which are defined as “negligibly reactive volatile organic compounds.” Therefore, these chemicals would not achieve VOC, thus ozone, reductions as part of Colorado's ozone SIP. The provisions that regulate these chemicals are considered optional in the OTC Model rules and the Commission decided not to adopt the provisions for methylene chloride and perchloroethylene at this time. The Commission directs the division to investigate the costs and benefits of these additional provisions from a health perspective, and to brief the Commission on their findings as soon as practicable.

AIM Coatings

The Commission adopted VOC content limits, labeling, and reporting provisions for AIM coatings based on the OTC model rule phase II. The OTC has also published an AIM coatings model rule phase I. As with consumer products, Regulation Number 21 is based on the OTC model rule phase II due to the potential increase in VOC emission reductions over EPA's national rule. Further, the OTC model rule phase II is based on California's 2006 standards, which are also being implemented by other states.

Given the need for ozone precursor reductions in the 2020 summer ozone months, the Commission adopted ambitious, but achievable, implementation schedules for the consumer products and AIM coatings VOC content limits. This schedule combined with the sell-through opportunities allows adequate time to reformulate, relabel, and/or redistribute products in order to comply.

Additional Considerations

Colorado must continue to reduce ozone concentrations to attain both the 2008 ozone NAAQS and the 2015 ozone NAAQS. The CAA does not expressly address all of the provisions adopted by the Commission. Rather, federal law establishes the 8-hour ozone NAAQS and requires Colorado to develop a SIP adequate to attain the NAAQS. Therefore, the Commission adopted Regulation Number 21 to make progress towards attainment of the 2008 and 2015 8-hour ozone NAAQS. These revisions do not exceed or differ from the federal act due to state flexibility in developing nonattainment area SIPs. In addition, EPA's national rules, promulgated in 1998, do not limit states from developing more stringent levels of control to attain the ozone standard. However, in accordance with C.R.S. § 25-7-110.5(5)(b), the Commission nonetheless determines:

- (I) In 1998, EPA established national standards to reduce VOC emissions from architectural coatings and consumer products. EPA's national rules do not limit states from developing more stringent levels of control to attain the ozone standard. The OTC model rules, which are the basis for the division's proposal, achieve additional VOC reductions over EPA's national rules in 40 CFR Part 59, Subparts C and D.
- (II) The federal rules discussed in (I) are primarily technology-based in that the rules largely prescribe the use of specific VOC contents in order to comply. The federal rules provide flexibility by allowing reformulation to meet the VOC content limits. The federal rules also provide some product and quantity exemptions.
- (III) The CAA establishes the 8-hour ozone NAAQS and requires Colorado to develop SIP revisions that will ensure attainment of the NAAQS. The ozone NAAQS was not determined taking into account concerns unique to Colorado. EPA's 1998 federal consumer products and architectural coatings rules also do not take into account concerns unique to Colorado or limit Colorado from adopting more stringent standards. The OTC model rules, which are the basis for the division's proposal, achieve additional VOC reductions over EPA's national rules.
- (IV) Colorado must attain the 2008 ozone NAAQS as well as the lower 2015 ozone NAAQS. The adopted VOC standards, based on the OTC consumer products model rule phase four and AIM coatings model rule phase two rather than less stringent OTC model rules, may prevent or reduce the need for the regulated community to meet more stringent requirements later.
- (V) Colorado's attainment date under the 2008 ozone NAAQS, as a Moderate ozone nonattainment area, was July 2018, and if reclassified to Serious, Colorado's attainment date will be July 2021. Colorado's attainment date under the 2015 ozone NAAQS is August 2021. There are no timing issues that might justify changing these time frames.
- (VI) The requirements in Regulation Number 21 address VOC emissions from consumer products and AIM coatings in a cost-effective manner, allowing for continued economic growth in Colorado.
- (VII) The requirements in Regulation Number 21 establish reasonable equity for sources of VOC by providing the same categorical standards for the various consumer product and AIM coatings categories.
- (VIII) Because Colorado did not attain the 2008 ozone NAAQS by July 2018, EPA will likely reclassify Colorado as a Serious ozone nonattainment area, which automatically reduces the major source thresholds from 100 tons per year of VOC and NOx to 50 tons per year; thus subjecting more sources to permitting and categorical RACT requirements. If Colorado does not attain the 2015 ozone NAAQS by August 2021, EPA will likely

reclassify Colorado as a Moderate ozone nonattainment area under the 2015 ozone NAAQS. If EPA does not approve Colorado's SIP, EPA may promulgate a Federal Implementation Plan for Colorado. These potential outcomes may subject others to increased costs.

- (IX) The requirements in Regulation Number 21 include minimal monitoring, recordkeeping, and procedural requirements that correlate to requirements in the OTC model rules.
- (X) Demonstrated technology is available to comply with the standards in Regulation Number 21. These standards are being implemented in other states and/or ozone nonattainment areas.
- (XI) As set forth in the Economic Impact Analysis, the requirements in Regulation Number 21 contribute to the prevention of ozone in a cost-effective manner.
- (XII) Although alternative rules could also provide reductions in ozone and help to attain the NAAQS, the Commission determined that the division's proposal was reasonable and cost-effective.

As part of adopting Regulation Number 21, the Commission has taken into consideration each of the factors set forth in C.R.S. § 25-7-109(1)(b).

Colorado must continue to reduce ozone concentrations to attain both the 2008 ozone NAAQS and the 2015 ozone NAAQS. However, to the extent that C.R.S. § 25-7-110.8 requirements apply to this rulemaking, and after considering all the information in the record, the Commission hereby makes the determination that:

- (I) These rules are based upon reasonably available, validated, reviewed, and sound scientific methodologies, and the Commission has considered all information submitted by interested parties.
- (II) Evidence in the record supports the finding that the rules shall result in a demonstrable reduction of the ozone precursor VOC.
- (III) Evidence in the record supports the finding that the rules shall bring about reductions in risks to human health and the environment that justify the costs to implement and comply with the rules.
- (IV) The rules are the most cost-effective to achieve the necessary and desired results, provide the regulated community flexibility, and achieve the necessary reduction in air pollution.
- (V) The rule will maximize the air quality benefits of regulation in the most cost-effective manner.

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Tracking number: 2019-00175

Opinion of the Attorney General rendered in connection with the rules adopted by the

Air Quality Control Commission

on 07/18/2019

5 CCR 1001-25

**Control of Volatile Organic Compounds from Consumer Products and Architectural and Industrial
Maintenance Coatings**

The above-referenced rules were submitted to this office on 07/19/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 05, 2019 15:45:20

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Emergency Rules Adopted

Department

Department of Revenue

Agency

Marijuana Enforcement Division

CCR number

1 CCR 212-1

Rule title

1 CCR 212-1 MEDICAL MARIJUANA RULES 1 - eff 08/01/2019

Effective date

08/01/2019

COLORADO DEPARTMENT OF REVENUE

Marijuana Enforcement Division

1 CCR 212-1

MEDICAL MARIJUANA RULES

Basis and Purpose – 103

The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(10)(b), 44-11-202(2)(a), 44-11-202(2)(a)(XXIV), 44-12-103, 44-12-202(2)(b), and 44-12-202(3)(c)(VIII), C.R.S., and all of the Medical Code and Retail Code. The purpose of this rule is to provide necessary definitions of terms used throughout the rules. Defined terms are capitalized where they appear in the rules, to let the reader know to refer back to these definitions. When a term is used in a conventional sense, and not intended to be a defined term, it is not capitalized.

103 – Definitions

Definitions. The following definitions of terms, in addition to those set forth in section 44-11-104, C.R.S., apply to all rules promulgated pursuant to the Medical Code, unless the context requires otherwise:

“Acquire,” when used in connection with the acquisition of an Owner's Interest of a Regulated Marijuana Business, means obtaining ownership, Control, power to vote, or sole power of disposition of the Owner's Interest, directly or indirectly through one or more transactions or subsidiaries, through purchase, assignment, transfer, exchange, succession or other means.

“Acting in Concert” means knowing participation in a joint activity or interdependent conscious parallel action toward a common goal, whether or not pursuant to an express agreement.

“Advertising” means the act of providing consideration for the publication, dissemination, solicitation, or circulation, of visual, oral, or written communication, to induce directly or indirectly any Person to patronize a particular Regulated Marijuana Business, or to purchase particular Regulated Marijuana or a Regulated Marijuana Product. “Advertising” includes marketing, but does not include packaging and labeling. “Advertising” proposes a commercial transaction or otherwise constitutes commercial speech.

“Affiliate” of, or Person affiliated with, a specified Person, means a Person that directly or indirectly through one or more intermediaries, Controls or is Controlled by, or is under common Control with, the Person specified.

“Alarm Installation Company” means a Person engaged in the business of selling, providing, maintaining, servicing, repairing, altering, replacing, moving or installing a Security Alarm System in a Licensed Premises.

“Alternative Use Designation” means a designation approved by the State Licensing Authority, permitting a Medical Marijuana-Infused Products Manufacturer to manufacture and Transfer Alternative Use Product.

“Alternative Use Product” means Regulated Marijuana or Regulated Marijuana Product that has at least one intended use that is not included in the list of intended uses in Rule M 1003-1(B) and Rule R 1003-1(B). Alternative Use Product may raise public health concerns that outweigh approval of the Alternative Use Product, or that require additional safeguards and oversight. Alternative Use Product cannot be Transferred except as permitted by Rule M 607 or Rule R 607 after obtaining an Alternative Use Designation. Rule M 607 permits a Medical Marijuana-Infused Products Manufacturer to Transfer Alternative Use Product to a Medical Marijuana Testing

Facility prior to receiving an Alternative Use Designation. Rule R 607 permits a Retail Marijuana Products Manufacturer to Transfer Alternative Use Product to a Retail Marijuana Testing Facility prior to receiving an Alternative Use Designation. Except where the context otherwise clearly requires, rules applying to Medical Marijuana Concentrate, Retail Marijuana Concentrate, or Regulated Marijuana Product apply to Alternative Use Product.

“Applicant” means a Person that has submitted an application for licensure, registration, or permit ,or for renewal of licensure, registration, or permit, pursuant to these rules that was accepted by the Division for review but has not been approved or denied by the State Licensing Authority.

“Approved Training Program” means a responsible vendor program that received approval from the Division prior to being offered to a Licensee.

“Audited Product” means a Regulated Marijuana Product with an intended use of: (1) metered dose nasal spray, (2) pressurized metered dose inhaler, (3) vaginal administration, or (4) rectal administration. Audited Product types may raise public health concerns requiring additional safeguards and oversight. These product types may only be manufactured and Transferred by a Medical Marijuana-Infused Products Manufacturer in strict compliance with Rule M 607 and by a Retail Marijuana Products Manufacturer in strict compliance with Rule R 607. Prior to the first Transfer of an Audited Product to a Medical Marijuana Center, Retail Marijuana Store, or Optional Premises Cultivation Operation or Retail Marijuana Cultivation Facility that has obtained a Centralized Distribution Permit, the Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Products Manufacturer must submit to the Division and to the local licensing authority an independent third-party audit verifying compliance with Rule M 607 or Rule R 607. All rules regarding Regulated Marijuana Product apply to Audited Product except where Rules M 607, 712, 1002-1, and 1003-1, and Rules R 607, 712, 1002-1, and 1003-1 apply different requirements.

“Bad Actor” means a Person who:

- a. Has been convicted, within the previous ten years (or five years, in the case of issuers, their predecessors and affiliated issuers), of any felony or misdemeanor:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filing with the Federal Securities Exchange Commission; or
 - iii. Arising out of the conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- b. Is subject to any order, judgment or decree of any court of competent jurisdiction, entered within the previous five years, that restrains or enjoins such Person from engaging or continuing to engage in any conduct or practice:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filings with the Federal Securities Exchange Commission; or
 - iii. Arising out of conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- c. Is subject to a final order of a state securities commission (or an agency or officer of a state performing like functions); a state authority that supervises or examines

banks, savings associations, or credit unions; a state insurance commission (or an agency or officer of a state performing like functions); an appropriate federal banking agency; the U.S. Commodity Futures Trading Commission; or the National Credit Union Administration that:

- i. Bars the Person from:
 - A. Association with an Entity regulated by such commission, authority, agency, or officer;
 - B. Engaging in the business of Securities, insurance or banking; or
 - C. Engaging in savings association or credit union activities; or
- ii. Constitutes a final order based on a violation of any law or regulation that prohibits fraudulent, manipulative, or deceptive conduct entered within the previous ten years;
- d. Is subject to an order of the Federal Securities Exchange Commission entered pursuant to section 15(b) or 15B(c) of the Securities Exchange Act of 1934, or section 203(e) or (f) of the Investment Advisers Act of 1940 that:
 - i. Suspends or revokes such Person's registration as a broker, dealer, municipal securities dealer or investment adviser;
 - ii. Places limitations on the activities, functions or operations of such Person; or
 - iii. Bars such Person from being associated with any Entity, or from participating in the offering of any Penny Stock;
- e. Is subject to any order of the Federal Securities Exchange Commission entered within the previous five years that orders the Person to cease and desist from committing or causing a violation or future violation of:
 - i. Any scienter-based anti-fraud provision of the federal securities laws, including without limitations section 17(a)(1) of the Securities Act of 1933, section 10(b) of the Securities Exchange Act of 1934 and 17 C.F.R. 240.10b-5, section 15(c)(1) of the Securities Exchange Act of 1934 and section 206(1) of the Investment Advisers Act of 1940, or any other rule or regulation thereunder; or
 - ii. Section 5 of the Securities Act of 1933.
- f. Is suspended or expelled from membership in, or suspended or barred from association with a member of, a registered national securities exchange or a registered national or affiliated securities association for any act or omission to act constituting conduct inconsistent with just and equitable principles of trade;
- g. Has filed (as a registrant or issuer), or was named as an underwriter in, any registration statement or Regulation A offering statement filed with the federal Securities Exchange Commission that, within the previous five years, was the subject of a refusal order, stop order, or order suspending the Regulation A exemption, or is the subject of an investigation or proceeding to determine whether a stop order or suspension order should be issued; or

- h. Is subject to a United States Postal Service false representation order entered with the previous five years, or is subject to a temporary restraining order or preliminary injunction with respect to conduct alleged by the United States Postal Service to constitute a scheme or device for obtaining money or property through the mail by means of false representations.

“Batch Number” means any distinct group of numbers, letters, or symbols, or any combination thereof, assigned by a Medical Marijuana Optional Premises Cultivation Operation or Medical Marijuana-Infused Products Manufacturer to a specific Harvest Batch or Production Batch of Medical Marijuana, or by a Retail Marijuana Cultivation Facility or Retail Marijuana Products Manufacturer to a specific Harvest Batch or Production Batch of Retail Marijuana.

“Beneficial Owner” includes the terms “beneficial ownership”, or “beneficially owns” and means:

- a. any Person who, directly or indirectly, through any contract, arrangement, understanding, relationship, or otherwise has or shares:
 - i. Voting power which includes the power to vote, or to direct the voting of, an Owner’s Interest; and/or,
 - ii. Investment power which includes the power to dispose, or to direct the disposition of, an Owner’s Interest.
- b. Any Person who, directly or indirectly, creates or uses a trust, proxy, power of attorney, pooling arrangement or any other contract, arrangement, or device with the purpose or effect of divesting such Person of beneficial ownership of an Owner’s Interest or preventing the vesting of such beneficial ownership as part of a plan or scheme to evade the reporting requirements of section 13(d) or (g) of the Securities Act of 1933 shall be deemed for purposes of such sections to be the beneficial owner of such Owner’s Interest.
- c. All Owner’s Interests of the same class beneficially owned by a Person, regardless of the form which such beneficial ownership takes, shall be aggregated in calculating the number of shares beneficially owned by such Person.
- d. Notwithstanding the provisions of paragraphs (a) and (c) of this rule:
 - i.
 - A. A Person shall be deemed to be the beneficial owner of an Owner’s Interest, subject to the provisions of paragraph (b) of this rule, if that Person has the right to acquire beneficial ownership of such Owner’s Interest, as defined in Rule 13d-3(a) (§ 240.13d-3(a)) within sixty days, including but not limited to any right to acquire: (1) Through the exercise of any option, warrant or right; (2) through the conversion of an Owner’s Interest; (3) pursuant to the power to revoke a trust, discretionary account, or similar arrangement; or (4) pursuant to the automatic termination of a trust, discretionary account or similar arrangement; provided, however, any person who acquires an Owner’s Interest or power specified in paragraphs (d)(i)(A)(1), (2) or (3), of this section, with the purpose or effect of changing or influencing the control of the issuer, or in connection with or as a participant in any transaction having such purpose or effect, immediately upon such acquisition shall be deemed to be the beneficial owner of the Owner’s Interests which may be acquired through the exercise or conversion of such Owner’s Interests or power. Any

Owner's Interests not outstanding which are subject to such options, warrants, rights or conversion privileges shall be deemed to be outstanding for the purpose of computing the percentage of outstanding Owner's Interests of the class owned by such Person but shall not be deemed to be outstanding for the purpose of computing the percentage of the class by any other Person.

- B. Paragraph (d)(i)(A) of this section remains applicable for the purpose of determining the obligation to file with respect to the underlying Owner's Interests even though the option, warrant, right or convertible Owner's Interests is of a class of equity Owner's Interest, as defined in § 240.13d-1(i), and may therefore give rise to a separate obligation to file.
- ii. A member of a national securities exchange shall not be deemed to be a beneficial owner of an Owner's Interest held directly or indirectly by it on behalf of another Person solely because such member is the record holder of such Owner's Interests and, pursuant to the rules of such exchange, may direct the vote of such Owner's Interests, without instruction, on other than contested matters or matters that may affect substantially the rights or privileges of the holders of the Owner's Interests to be voted, but is otherwise precluded by the rules of such exchange from voting without instruction.
- iii. A person who in the ordinary course of his business is a pledgee of Owner's Interests under a written pledge agreement shall not be deemed to be the beneficial owner of such pledged Owner's Interests until the pledgee has taken all formal steps necessary which are required to declare a default and determines that the power to vote or to direct the vote or to dispose or to direct the disposition of such pledged Owner's Interests will be exercised, provided, that:
 - A. The pledgee agreement is bona fide and was not entered into with the purpose nor with the effect of changing or influencing the control of the issuer, nor in connection with any transaction having such purpose or effect, including any transaction subject to Rule 13d-3(b);
 - B. The pledgee is a Person specified in Rule 13d-1(b)(ii), including Persons meeting the conditions set forth in paragraph (G) thereof; and
 - C. The pledgee agreement, prior to default, does not grant to the pledgee;
 - 1. The power to vote or to direct the vote of the pledged Owner's Interests; or
 - 2. The power to dispose or direct the disposition of the pledged Owner's Interests, other than the grant of such power(s) pursuant to a pledge agreement under which credit is extended subject to regulation T (12 CFR 220.1 to 220.8) and in which the pledgee is a broker or dealer registered under section 15 of the Securities Act of 1933.
- iv. A Person engaged in business as an underwriter of Owner's Interests who acquires Owner's Interests through his participation in good faith in

a firm commitment underwriting registered under the Securities Act of 1933 shall not be deemed to be the beneficial owner of such Owner's Interests until the expiration of forty days after the date of such acquisition.

"Blank Check Company" means an Entity that:

- a. Is a development stage company that has no specific business plan or purpose or has indicated that its business plan is to engage in a merger or acquisition with an unidentified company or companies, or other Entity or Person; and
- b. Is issuing Penny Stock.

"Cannabinoid" means any of the chemical compounds that are the active principles of marijuana.

"Centralized Distribution Permit" means a permit issued to an Optional Premises Cultivation Operation pursuant to section 44-11-403, C.R.S., or a Retail Marijuana Cultivation Facility pursuant to section 44-12-403, C.R.S., authorizing temporary storage of Medical Marijuana Concentrate and Medical Marijuana-Infused Product received from a Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Concentrate and Retail Marijuana Product received from a Retail Marijuana Products Manufacturer for the sole purpose of Transfer to commonly owned Medical Marijuana Centers or Retail Marijuana Stores. For purposes of a Centralized Distribution Permit only, the term "commonly owned" means at least one natural person has a minimum of five percent ownership in both the Optional Premises Cultivation Operation possessing the Centralized Distribution Permit and the Medical Marijuana Center, or in both the Retail Marijuana Cultivation Facility possessing the Centralized Distribution Permit.

"Child-Resistant" means special packaging that is:

- a. Designed or constructed to be significantly difficult for children under five years of age to open and not difficult for normal adults to use properly as defined by 16 C.F.R. 1700.15 (1995) and 16 C.F.R. 1700.20 (1995). Note that this rule does not include any later amendments or editions to the Code of Federal Regulations. The Division has maintained a copy of the applicable federal regulations, which is available to the public;
- b. Opaque so that the packaging does not allow the product to be seen without opening the packaging material; and
- c. Resealable for any product intended for more than a single use or containing multiple servings.

"Commercially Reasonable Royalty" means a right to compensation in the form of a royalty payment for the use of intellectual property with a direct nexus to the cultivation, manufacture, Transfer, or testing of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product. A Commercially Reasonable Royalty must be limited to specific intellectual property the Commercially Reasonable Royalty holder owns or is otherwise authorized to license or to a product or line of products. A Commercially Reasonable Royalty must not cause reasonable consumer confusion or violate any federal copyright, trademark, or patent law or regulation. To determine whether the Commercially Reasonable Royalty is reasonable, the Division will consider the totality of the circumstances, including but not limited to the following factors:

- a. The percentage of royalties received by the recipient for the licensing of the intellectual property.
- b. The rates paid by the Licensee for the use of other intellectual property.

- c. The nature and scope of the license, as exclusive or non-exclusive; or as restricted or non-restricted in terms of territory or with respect to whom the product may be sold.
- d. The licensor's established policy and marketing program to maintain his intellectual property monopoly by not licensing others or by granting licenses under special conditions designed to preserve that monopoly.
- e. The commercial relationship between the recipient and Licensee, such as, whether they are competitors in the same territory in the same line of business.
- f. The effect of selling the intellectual property in promoting sales of other products of the Licensee; the existing value of the intellectual property to the recipient as a generator of sales of his non-intellectual property items; and the extent of such derivative sales.
- g. The duration of the term of the license for use of the intellectual property.
- h. The established or projected profitability of the product made using the intellectual property; its commercial success; and its current popularity.
- i. The utility and advantages of the intellectual property over products or businesses without the intellectual property.
- j. The nature of the intellectual property; the character of the commercial embodiment of it as owned and produced by the licensor; and the benefits to those who have used the intellectual property.
- k. The portion of the profit or of the selling price that may be customary in the particular business or in comparable businesses to allow for the use of the intellectual property.
- l. The portion of the realizable profit that should be credited to the intellectual property as distinguished from non-intellectual property elements, the manufacturing process, business risks, or significant features or improvements added by the Licensee.

"Container" means the receptacle directly containing Regulated Marijuana or Regulated Marijuana Product that is labeled according to the requirements in Rules M 1001-1 *et seq.* or Rules R 1001-1 *et seq.*

"Control" means the possession, direct or indirect, of the power to direct or cause the direction of the management or policies of a Person, whether through the ownership of voting Owner's Interests, by contract, or otherwise. This definition of Control includes Controls, Controlled, Controlling, Controlled by, and under common Control with.

"Controlling Beneficial Owner" means a Person that satisfies one or more of the following criteria:

- a. A natural person, an Entity that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia, a Publicly Traded Corporation, or a Qualified Private Fund that is not a Qualified Institutional Investor:
 - i. Acting alone or Acting In Concert, that owns or Acquires Beneficial Ownership of ten percent or more of the Owner's Interest of a Regulated Marijuana Business;

- ii. That is an Affiliate that Controls a Regulated Marijuana Business and includes, without limitation, any Manager; or
- iii. That is otherwise in a position to Control the Regulated Marijuana Business except as authorized in section 44-11-407 or 44-12-407, C.R.S.; or
- b. A Qualified Institutional Investor acting alone or Acting In Concert that owns or Acquires Beneficial Ownership of more than thirty percent of the Owner's Interest of a Regulated Marijuana Business.
- c. Unless the context otherwise requires, the defined term Controlling Beneficial Owner includes Direct Beneficial Interest Owner.

"Court Appointee" means a Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person; acting in accordance with section 44-11-401(1.5), C.R.S., and these rules; and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

"Covered Securities" means:

- a. A Security designated as qualified for trading in the national market system pursuant to section 78k-1(a)(2) of the Securities Act of 1933 that is listed, or authorized for listing, on a national securities exchange (or tier or segment thereof); or a Security of the same issuer that is equal in seniority or that is a senior Security to a Security designated as qualified for trading in the national market system.
- b. A Security issued by an investment company that is registered, or that has filed a registration statement under the federal Investment Company Act of 1940.
- c. A Security as defined by the Federal Securities Exchange Commission by rule pursuant to 15 U.S.C. §77r(b)(3).
- d. A Security pursuant to 15 U.S.C. §77r(b)(4).

"Denied Applicant" means any Person whose application for licensure, permit, or registration pursuant to the Medical Code or the Retail Code has been denied, any Person whose application for a responsible vendor program has been denied, or any Licensee whose application for any of the following non-exhaustive list has been denied: An initial license application pursuant to Rule 220-1, a renewal application pursuant to Rule 225-1, the request for a finding of suitability pursuant to Rule 235-1, a change of owner pursuant to Rule 245-1, a change of location of the Licensed Premises pursuant to Rule 255-1, or a change, alteration, or modification of the Licensed Premises pursuant to Rule M 303 or Rule R 303; or a production management class increase application pursuant to Rule M 507 or Rule R 506.

"Department" means the Colorado Department of Revenue.

"Director" means the Director of the Marijuana Enforcement Division.

"Division" means the Marijuana Enforcement Division.

"Edible Medical Marijuana-Infused Product" means any Medical Marijuana-Infused Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

“Edible Retail Marijuana Product” means any Retail Marijuana Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

“Employee License” means a license granted by the State Licensing Authority pursuant to sections 44-11-401 or 44-12-401 to a natural person who is not a Controlling Beneficial Owner. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products, who is authorized to input data into a Regulated Marijuana Business’s Inventory Tracking System or point-of-sale system, or who has unescorted access in the Restricted Access Area or Limited Access Area must hold an Employee License. Employee License includes both Key Licenses and Support Licenses.

“Entity” means a domestic or foreign corporation, cooperative, general partnership, limited liability partnership, limited liability company, limited partnership, limited liability limited partnership, limited partnership association, nonprofit association, nonprofit corporation, or any other organization or association that is formed under a statute or common law of the state of Colorado or any other jurisdiction as to which the laws of this state of Colorado or the laws of any other jurisdiction governs relations among owners and between the owners and the organization or association and that is recognized under the laws of the state of Colorado or the other jurisdiction as a separate legal entity.

“Executive Officer” means the president, any vice president in charge of a principal business unit, division or function (such as sales, administration or finance), any other officer who performs a policy making function, or any other person who performs similar policy making functions for the Regulated Marijuana Business.

“Exit Package” means an Opaque bag or other similar Opaque covering provided at the point of sale, in which Regulated Marijuana or Regulated Marijuana Product already in a Container is placed. If Regulated Marijuana flower, trim, or seeds are placed into a Container that is not Child-Resistant, then the Exit Package must be Child-Resistant. The Exit Package is not required to be labeled in accordance with Rules R 1001-1 *et seq.*

“Fibrous Waste” means any roots, stalks, and stems from a Regulated Marijuana plant.

“Final Agency Order” means an Order of the State Licensing Authority issued in accordance with the Medical Code or the Retail Code and the State Administrative Procedure Act. The State Licensing Authority will issue a Final Agency Order following review of the Initial Decision and any exceptions filed thereto or at the conclusion of the declaratory order process. A Final Agency Order is subject to judicial review.

“Finished Marijuana” means post-harvest Medical Marijuana including flower and trim that has been harvested for more than 90 days or that has completed the curing and drying process according to the Optional Premises Cultivation Operation’s written standard operating procedures that were last submitted to the Division. Standard operating procedures for curing and drying may provide a curing and drying period that is longer than 90 days but any such period must be commercially reasonable and cannot exceed 12 months. Among other factors, the Division may consider the Optional Premises Cultivation Operation’s prior business years’ business transactions to determine whether the Optional Premises Cultivation Operation’s standard operating procedures are commercially reasonable.

“Flammable Solvent” means a liquid that has a flash point below 100 degrees Fahrenheit.

“Flowering” means the reproductive state of the Cannabis plant in which there are physical signs of flower or budding out of the nodes in the stem.

“Food-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of propylene glycol, glycerin, butter, olive oil or other typical cooking fats.

“Food-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of propylene glycol, glycerin, butter, olive oil, or other typical cooking fats.

“Foreign Private Issuer” means any foreign issuer other than a foreign government except an issuer meeting the following conditions as of the last business day of its most recently completed second fiscal quarter:

- a. More than 50 percent of the outstanding voting Securities of such issuer are directly or indirectly owned of record by residents of the United States; and
- b. Any of the following:
 - i. The majority of the executive officers or directors are United States citizens or residents;
 - ii. More than 50 percent of the assets of the issuer are located in the United States; or
 - iii. The business of the issuer is administered principally in the United States.

“Good Cause” for purposes of denial of an initial, renewal or reinstatement license, registration, or permit application or certification, or for purposes of discipline of a license or certification, means:

- a. The Licensee or Applicant has violated, does not meet, or has failed to comply with any of the terms, conditions, or provisions of the Medical Code, the Retail Code, any rules promulgated pursuant to the Medical Code or Retail Code, or any supplemental relevant state or local law, rule, or regulation;
- b. The Licensee or Applicant has failed to comply with any special terms or conditions that were placed upon the license pursuant to an order of the State Licensing Authority or the relevant local licensing authority; or
- c. The Licensee’s or the Applicant’s Licensed Premises have been operated in a manner that adversely affects the public health or welfare or the safety of the immediate neighborhood in which the establishment is located.

“Good Moral Character” means having a criminal history that demonstrates honesty, fairness, and respect for the rights of others and for the law.

“Harvest Batch” means a specifically identified quantity of processed Regulated Marijuana that is uniform in strain, cultivated utilizing the same Pesticide and other agricultural chemicals and harvested at the same time.

“Harvested Marijuana” means post-Flowering Retail Marijuana not including trim, concentrate, or waste that remains on the premises of the Retail Marijuana Cultivation Facility or its off-premises storage location beyond 60 days from harvest.

“Heat/Pressure-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of heat and/or pressure. The method of extraction may be used by only a Medical Marijuana-infused Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Medical Marijuana Concentrate or Solvent-Based Medical Marijuana Concentrate.

“Heat/Pressure-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of heat and/or

pressure. This method of extraction may be used by only a Retail Marijuana Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Retail marijuana Concentrate or Solvent-Based Retail Marijuana Concentrate.

“Identification Badge” means a physical badge issued to any natural person possessing an Owner License or Employee License, used to verify the identity of the natural persons on the Licensed Premises of a Regulated Marijuana Business.

“Identity Statement” means the name of the business as it is commonly known and used in any Advertising.

“Immature plant” means a nonflowering Regulated Marijuana plant that is no taller than eight inches and no wider than eight inches produced from a cutting, clipping or seedling and that is in a growing container that is no larger than two inches wide and two inches tall that is sealed on the sides and bottom. Plants meeting these requirements are not attributable to a Licensee’s maximum allowable plant count, but must be fully accounted for in the Inventory Tracking System.

“Indirect Financial Interest Holder” means a Person that is not an Affiliate, a Controlling Beneficial Owner, or a Passive Beneficial Owner of a Regulated Marijuana Business and that:

- a. Holds a Commercially Reasonable Royalty in exchange for a Regulated Marijuana Business’s use of the Person’s intellectual property;
- b. Holds a Permitted Economic Interest that was issued prior to January 1, 2020, and that has not been converted into an Owner’s Interest or holds any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business obtained after January 1, 2020;
- c. Is a contract counterparty with a Regulated Marijuana Business, other than a customary employment agreement, that has a direct nexus to the cultivation, manufacture, sale, or testing of Regulated Marijuana, including, but not limited to, a lease of real property on which the Regulated Marijuana Business operates, a lease of equipment used in the cultivation, manufacture, or testing of Regulated Marijuana, a secured or unsecured financing agreement with the Regulated Marijuana Business, a security contract with the Regulated Marijuana Business, or a management agreement with the Regulated Marijuana Business, provided that no such contract compensates the contract counterparty with a percentage of revenue for profits of the Regulated Marijuana Business.
- d. Unless the context otherwise requires, the defined term Indirect Financial Interest Holder includes Indirect Beneficial Interest Owner.

“Industrial Fiber Products” means intermediate or finished products made from Fibrous Waste that are not intended for human or animal consumption and are not usable or recognizable as Regulated Marijuana. Industrial Fiber Products include, but are not limited to, cordage, paper, fuel, textiles, bedding, insulation, construction materials, compost materials, and industrial materials.

“Industrial Fiber Products Producer” means a Person who produces Industrial Fiber Products using Fibrous Waste.

“Industrial Hemp” means a plant of the genus Cannabis and any part of the plant, whether growing or not, containing a delta-9 tetrahydrocannabinol (THC) concentration of no more than three-tenths of one percent (0.3%) on a dry weight basis.

“Industrial Hygienist” means a natural person who has obtained a baccalaureate or graduate degree in industrial hygiene, biology, chemistry, engineering, physics, or a closely related physical or biological science from an accredited college or university.

- a. The special studies and training of such persons must be sufficient in the cognate sciences to provide the ability and competency to:
 - i. Anticipate and recognize the environmental factors and stresses associated with work and work operations and to understand their effects on individuals and their well-being;
 - ii. Evaluate on the basis of training and experience and with the aid of quantitative measurement techniques the magnitude of such environmental factors and stresses in terms of their ability to impair human health and well-being;
 - iii. Prescribe methods to prevent, eliminate, control, or reduce such factors and stresses and their effects.
- b. Any person who has practiced within the scope of the meaning of industrial hygiene for a period of not less than five years immediately prior to July 1, 1997, is exempt from the degree requirements set forth in the definition above.
- c. Any person who has a two-year associate of applied science degree in environmental science from an accredited college or university and in addition not less than four years practice immediately prior to July 1, 1997, within the scope of the meaning of industrial hygiene is exempt from the degree requirements set forth in the definition above.

“Ineligible Issuer” means:

- a. Any issuer that is required to file reports pursuant to section 13 or 15(d) of the Securities Exchange Act of 1934 that has not filed all reports and other materials required to be filed during the preceding 12 months, other than reports on Form 8-K required solely pursuant to an item specified in General Instruction I.A.3(b) of Form S-3;
- b. The issuer is, or during the past three years the issuer or any of its predecessors was:
 - i. A Blank Check Company;
 - ii. A Shell Company;
 - iii. An issuer of an offering of Penny Stock;
- c. The issuer is a limited partnership that is offering and selling its Securities other than through a firm commitment underwriting;
- d. Within the past three years, a petition under the federal bankruptcy laws or any state insolvency law was filed by or against the issuer, or a court appointed a receiver, fiscal agent or similar officer with respect to the business or property of the issuer subject to the following:
 - i. In the case of an involuntary bankruptcy in which a petition was filed against the issuer, ineligibility will occur upon the earlier to occur of:

- A. 90 days following the date of the filing of the involuntary petition (if the case has not been earlier dismissed); or
 - B. The conversion of the case to a voluntary proceeding under federal bankruptcy or state insolvency laws; and
- ii. Ineligibility will terminate if an issuer has filed an annual report with audited financial statements subsequent to its emergence from that bankruptcy, insolvency, or receivership process;
- e. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was convicted of any felony or misdemeanor described in paragraphs (i) through (iv) of section 15(b)(4)(B) of the Securities Exchange Act of 1934;
- f. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was made the subject of any judicial or administrative decree or order arising out of a governmental action that:
 - i. Prohibits certain conduct or activities regarding, including future violations of, the anti-fraud provisions of the federal securities laws;
 - ii. Requires that the Person cease and desist from violating the anti-fraud provisions of the federal securities laws; or
 - iii. Determines that the Person violated the anti-fraud provisions of the federal securities laws;
- g. The issuer has filed a registration statement that is the subject of any pending proceeding or examination under section 8 of the Securities Act of 1933 or has been the subject of any refusal order or stop order under section 8 of the Securities Act of 1933 within the past three years; or
- h. The issuer is the subject of any pending proceeding under section 8A of the Securities Act of 1933 in connection with an offering.

“Initial Decision” means a decision of a hearing officer in the Department following a licensing, disciplinary, or other administrative hearing.

“Inventory Tracking System” means the required seed-to-sale tracking system that tracks Regulated Marijuana from either the seed or immature plant stage until the Regulated Marijuana or Regulated Marijuana Product is sold to a patient at a Medical Marijuana Center, sold to a consumer at a Retail Marijuana Store, Transferred to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility, Transferred to a Sampling Manager, Transferred to an Industrial Fiber Products Producer, Transferred to a Medical Research Facility, Transferred to a Pesticide Manufacturer, destroyed by a Regulated Marijuana Business, or used in a Research Project by a Licensed Research Business.

“Inventory Tracking System Trained Administrator” means an Owner Licensee of a Regulated Marijuana Business or an Employee Licensee employed by a Regulated Marijuana Business, each of whom has attended and successfully completed Inventory Tracking System training and has completed any additional training required by the Division.

“Inventory Tracking System User” means an Owner Licensee of a Regulated Marijuana Business or an Employee Licensee employed by a Regulated Marijuana Business who is granted Inventory Tracking System User account access for the purposes of conducting inventory tracking functions in the Inventory Tracking System. Each Inventory Tracking System User must have been

successfully trained by Inventory Tracking System Trained Administrator(s) in the proper and lawful use of the Inventory Tracking System, and who has completed any additional training required by the Division.

“Key License” means an Employee License for a natural person who performs duties that are central to the Regulated Marijuana Business’ operation. A person holding a Key License has the highest level of responsibility. An example of a Key Licensee includes, but is not limited to, managers.

“Kief” means the resinous crystal-like trichomes that are found on Regulated Marijuana flower and that are accumulated, resulting in a higher concentration of cannabinoids.

“Licensed Premises” means the premises specified in an application for a license pursuant to the Medical Code or Retail Code that are owned or in possession of the Licensee and within which the Licensee is authorized to cultivate, manufacture, distribute, sell, store, transport, test, or research Medical Marijuana in accordance with the provisions of the Medical Code, or to cultivate, manufacture, distribute, sell, store, transport, or test Retail Marijuana in accordance with the provision of the Retail Code, and these rules. Not all areas of the Licensed Premises are Limited Access Areas or Restricted Access Areas.

“Licensed Research Business” means a Marijuana Research and Development Facility or a Marijuana Research and Development Cultivation.

“Licensee” means any Person licensed, registered, or permitted pursuant to the Medical Code or Retail Code, including an Owner Licensee and an Employee Licensee.

“Limited Access Area” means a building, room, or other contiguous area upon the Licensed Premises where Regulated Marijuana is grown, cultivated, stored, weighed, packaged, Transferred, or processed for Transfer, under control of the Licensee.

“Limit of Detection” or “LOD” means the lowest quantity of a substance that can be distinguished from the absence of that substance (a blank value) within a stated confidence limit (generally 1%).

“Limit of Quantitation” or “LOQ” means the lowest concentration at which the analyte can not only be reliably detected but at which some predefined goals for bias and imprecision are met.

“Liquid Edible Medical Marijuana-Infused Product” means an Edible Medical Marijuana-Infused Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

“Liquid Edible Retail Marijuana Product” means an Edible Retail Marijuana Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

“Manager” means:

- a. A member of a limited liability company in which management is not vested in managers rather than members;
- b. A manager of a limited liability company in which management is vested in managers rather than members;
- c. A member of a limited partnership association in which management is not vested in managers rather than members;

- d. A manager of a limited partnership association in which management is vested in managers rather than members;
- e. A general partner;
- f. An officer or director of a corporation, a nonprofit corporation, a cooperative, or a limited partnership association; or
- g. Any Person whose position with respect to an Entity, as determined under the constituent documents and organic statutes of the Entity, without regard to the Person's title, is the functional equivalent of any of the positions described in this definition.

“Marijuana-Based Workforce Development Training Program” means a program designed to train individuals to work in the legal Medical or Retail Marijuana industry operated by an entity licensed under the Medical Code and/or the Retail Code or by a school that is authorized by the Division of Private Occupational Schools.

“Marketing Layer” means that packaging in addition to the Container that is the outermost layer visible to the consumer at the point of sale. The Marketing Layer is optional, but if used by a Licensee in addition to the required Container, it must be labeled according to the requirements in Rules M 1001-1 *et seq.*, or Rules R 1001-1 *et seq.*

“Marijuana Research and Development Cultivation” means a Person that is licensed pursuant to the Medical Code to grow, cultivate, and possess Medical Marijuana, and to Transfer Medical Marijuana to a Medical Research and Development Facility or another Medical Research and Development Cultivation, all for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Cultivation is a Licensed Research Business.

“Marijuana Research and Development Facility” means a Person that is licensed pursuant to the Medical Code to possess Medical Marijuana for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Facility is a Licensed Research Business.

“Material Change” means any change that would require a substantive revision to a Regulated Marijuana Business’s standard operating procedures for the cultivation of Regulated Marijuana or the production of a Regulated Marijuana- Product.

“Medical Code” means the Colorado Medical Marijuana Code found at sections 44-11-101 *et seq.*, C.R.S.

“Medical Marijuana” means marijuana that is grown and sold pursuant to the Medical Code and includes seeds and Immature Plants. Unless the context otherwise requires, Medical Marijuana Concentrate is considered Medical Marijuana and is included in the term Medical Marijuana as used in these rules.

“Medical Marijuana Business” means a licensed Medical Marijuana Center, a Medical Marijuana-Infused Products Manufacturer, an Optional Premises Cultivation Operation, a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator, a Medical Marijuana Transporter, a Marijuana Research and Development Facility, or a Marijuana Research and Development Cultivation.

“Medical Marijuana Business Operator” means an entity that holds a registration, license, or permit from the State Licensing Authority to provide professional operational services to one or more Medical Marijuana Businesses, other than Licensed Research Businesses, for direct remuneration from the Medical Marijuana Business(es), which may include compensation based upon a percentage of the profits of the Medical Marijuana Business(es) being operated. A

Medical Marijuana Business Operator may contract with Medical Marijuana Business(es) to provide operational services. A Medical Marijuana Business Operator's contract with a Medical Marijuana Business does not in and of itself constitute ownership. The Medical Code and rules apply to all Medical Marijuana Business Operators regardless of whether such operator holds a registration or license. Any reference to "license" or "licensee" means "registration" or "registrant" when applied to a Medical Marijuana Business Operator that holds a registration issued by the State Licensing Authority.

"Medical Marijuana Center" means a Person that is licensed pursuant to the Medical Code to operate a business as described in section 44-11-402, C.R.S., and that sells Medical Marijuana to registered patients or primary caregivers as defined in Article XVIII, Section 14 of the Colorado Constitution, but is not a primary caregiver.

"Medical Marijuana Concentrate" means a specific subset of Medical Marijuana that was produced by extracting Cannabinoids from Medical Marijuana. Categories of Medical Marijuana Concentrate include Water-Based Medical Marijuana Concentrate, Food-Based Medical Marijuana Concentrate, Solvent-Based Medical Marijuana Concentrate, and Heat/Pressure-Based Medical Marijuana Concentrate.

"Medical Marijuana-Infused Product" means a product infused with Medical Marijuana that is intended for use or consumption other than by smoking, including but not limited to edible products, ointments, and tinctures. Such products shall not be considered a food or drug for purposes of the "Colorado Food and Drug Act," part 4 of Article 5 of Title 25, C.R.S.

"Medical Marijuana-Infused Products Manufacturer" means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-404, C.R.S.

"Medical Marijuana Testing Facility" means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product.

"Medical Marijuana Transporter" means a Person that is licensed to transport Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product from one Medical Marijuana Business to another Medical Marijuana Business or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Medical Marijuana and Medical Marijuana-Infused Product at its licensed premises, but is not authorized to sell, give away, buy, or receive complimentary Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product under any circumstances. A Medical Marijuana Transporter does not include a Licensee that transports its own Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product.

"Medical Research Facility" means a Person approved and grant-funded by the State Board of Health pursuant to section 25-1.5-106.5, C.R.S., to conduct Medical Marijuana research. A Medical Marijuana Research Facility is neither a Regulated Marijuana Business nor a Licensee.

"Monitoring" means the continuous and uninterrupted attention to potential alarm signals that could be transmitted from a Security Alarm System located at a Regulated Marijuana Business Licensed Premises, for the purpose of summoning a law enforcement officer to the premises during alarm conditions.

"Monitoring Company" means a Person in the business of providing Monitoring services for a Regulated Marijuana Business.

"Multiple-Serving Edible Retail Marijuana Product" means an Edible Retail Marijuana Product unit for sale to consumers containing more than 10mg of active THC and no more than 100mg of active THC. If the overall Edible Retail Marijuana Product unit for sale to the consumer consists of multiple pieces where each individual piece may contain less than 10mg active THC, yet in total all pieces combined within the unit for sale contain more than 10mg of active THC, then the

Edible Retail Marijuana Product will be considered a Multiple-Serving Edible Retail Marijuana Product.

“Non-objecting Beneficial Owner” means a Beneficial Owner who gives permission to a financial intermediary to release their name and address to the company(ies) or issuer(s) in which they have bought Securities.

“Notice of Denial” means a written statement from the State Licensing Authority, articulating the reasons or basis for denial of a license application.

“Opaque” means that the packaging does not allow the product to be seen without opening the packaging material.

“Optional Premises Cultivation Operation” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-403, C.R.S.

“Order to Show Cause” means a document from the State Licensing Authority alleging the grounds for imposing discipline against a Licensee’s license.

“Owner’s Interest” means the shares of stock in a corporation, a membership in a nonprofit corporation, a membership interest in a limited liability company, the interest of a member in a cooperative or in a limited cooperative association, a partnership interest in a limited partnership, a partnership interest in a partnership, and the interest of a member in a limited partnership association.

“Owner License” means a license issued to a Person who is a Controlling Beneficial Owner of a Regulated Marijuana Business or who is a Passive Beneficial Owner electing to be subject to licensure.

“Passive Beneficial Owner” means any Person Acquiring any Owner’s Interest in a Regulated Marijuana Business that is not otherwise a Controlling Beneficial Owner or in Control.

“Penny Stock” means any equity security other than a Security:

- a. That is an National Market System stock, provided that:
 - i. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange that has been continuously registered as a national securities exchange since April 20, 1992; and the national securities exchange has maintained quantitative listing standards that are substantially similar to or stricter than those listing standards that were in place on that exchange on January 8, 2004; or
 - ii. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange, or is listed, or approved for listing upon notice of issuance on, an automated quotation system sponsored by a registered national securities association, that:
 - A. Has established initial listing standards that meet or exceed the following criteria:
 - 1. The issuer shall have: (a) stockholders’ equity of \$5,000,000; (b) market value of listed Securities of \$50 million for 90 consecutive days prior to applying for a listing (market value means the closing bid price multiplied by the number of Securities listed); or (c) net income of \$750,000 (excluding non-recurring items) in

the most recently completed fiscal year or in two of the last three most recently completed fiscal years;

2. The issuer shall have an operating history of at least one year or a market value of listed Securities of \$50 million (market value means the closing bid price multiplied by the number of Securities listed);
3. The issuer's stock, common or preferred, shall have a minimum bid price of \$4 per share;
4. In the case of common stock, there shall be at least 300 round lot holders of the Security (a round lot holder means a holder of a normal unit of trading);
5. In the case of common stock, there shall be at least 1,000,000 publicly held shares and such shares shall have a market value of at least \$5 million (market value means the closing bid price multiplied by the number of publicly held shares, and shares held directly or indirectly by an officer or director of the issuer and by any Person who is the Beneficial Owner of more than 10 percent of the total shares outstanding are not considered to be publicly held);
6. In the case of a convertible debt security, there shall be a principal amount outstanding of at least \$10 million;
7. In the case of rights and warrants, there shall be at least 100,000 issued and the underlying security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;
8. In the case of put warrants (that is, instruments that grant the holder the right to sell to the issuing company a specified number of shares of the company's common stock, at a specified price until a specified period of time), there shall be at least 100,000 issued and the underlying Security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;
9. In the case of units (that is, two or more Securities traded together), all component parts shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition; and
10. In the case of equity Securities (other than common and preferred stock, convertible debt securities, rights and warrants, put warrants, or units), including hybrid

products and derivative products, the national securities exchange or registered national securities association shall establish quantitative listing standards that are substantially similar to those found in paragraph (a)(ii) of this definition; and

- B. Has established quantitative continued listing standards that are reasonable related to the initial listing standards set forth in paragraph (a)(ii) of this definition, and that are consistent with the maintenance of fair and orderly markets;
- b. That is issued by an investment company registered under the Federal Investment Company Act of 1940;
- c. That is a put or call option issued by the Options Clearing Corporation;
- d. That has a price of five dollars or more;
 - i. For purposes of this paragraph (d):
 - A. A Security has a price of five dollars or more for a particular transaction if the Security is purchased or sold in that transaction at a price of five dollars or more, excluding any broker or dealer commission, commission equivalent, mark-up, or mark-down; and
 - B. Other than in connection with a particular transaction, a Security has a price of five dollars or more at a given time if the inside bid quotation is five dollars or more; provided, however, that if there is no such inside bid quotation, a Security has a price of five dollars or more at a given time if the average of three or more interdealer bid quotations at specified prices displayed at that time in an interdealer quotation system, by three or more market makers in the Security, is five dollars or more.
 - C. The term “inside bid quotation” shall mean the highest bid quotation for the Security displayed by a market maker in the Security on an automated interdealer quotation system that has the characteristics set forth in section 17B(b)(2) of the Federal Securities Exchange Act of 1934, or such other automated interdealer quotation system designated by the Federal Securities Exchange Commission for purposes of this definition, at any time in which at least two market makers are contemporaneously displaying on such system bid and offer quotation for the Security at specified prices.
 - ii. If a Security is a unit composed of one or more Securities, the unit price divided by the number of shares of the unit that are not warrants, options, rights, or similar Securities must be five dollars or more as determined in accordance with paragraph (d)(i), and any share of the unit that is a warrant, option, right, or similar security, or a convertible security, must have an exercise price or conversion price of five dollars or more;
- e. That is registered, or approved for registration upon notice of issuance, on a national securities exchange that makes transaction reports available provided that:

- i. Price and volume of information with respect to transactions in that security is required to be reported on a current and continuing basis and is made available to vendors of market information pursuant to the rules of the national securities exchange;
 - ii. The Security is purchased or sold in a transaction that is effected on or through the facilities of the national securities exchange, or that is part of the distribution of the Security; and
 - iii. The Security satisfies the requirements of paragraphs (a)(i) or (a)(ii);
- f. That is a security futures product listed on a national securities exchange or an automated quotation system sponsored by a registered national securities association; or
- g. Whose issuer has:
 - i. Net tangible assets in excess of \$2,000,000, if the issuer has been in continuous operation for at least three years, or \$5,000,000 if the issuer has been in continuous operation for less than three years; or
 - ii. Average revenue of at least \$6,000,000 for the last three years.

“Permitted Economic Interest” means an any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business issued prior to January 1, 2020 where the holder is a natural person who is a lawful United States resident and whose right to convert into an ownership interest is contingent on the holder qualifying as a Controlling Beneficial Owner or Passive Beneficial Owner under the Retail Code or Medical Code. This definition is repealed effective January 1, 2020.

“Person” means a natural person, an estate, a trust, an Entity, or a state or other jurisdiction.

“Pesticide” means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any pest or any substance or mixture of substances intended for use as a plant regulator, defoliant or desiccant; except that the term “pesticide” does not include any article that is a “new animal drug” as designated by the United States Food and Drug Administration.”

“Pesticide Manufacturer” means a Person who: (1) manufactures, prepares, compounds, propagates, or processes any Pesticide or device or active ingredient used in producing a Pesticide; (2) who possesses an establishment number with the U.S. Environmental Protection Agency pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. §§ 136 *et seq.*; (3) who conducts research to establish safe and effective protocols, including but not limited to establishing efficacy and toxicity, for the use of Pesticides on Regulated Marijuana; (4) who has applied for and received any necessary license, registration, certifications, or permits from the Colorado Department of Agriculture pursuant to the Pesticide Act, section 35-9-101 *et seq.*, C.R.S., and/or the Pesticide Applicators’ Act, sections 35-10-101 *et seq.*, C.R.S.; (5) who is authorized to conduct business in the State of Colorado; and (6) who has physical possession of the location in the State of Colorado where its research activities occur. A Pesticide Manufacturer is neither a Regulated Marijuana Business nor a Licensee.

“Production Batch” means (a) any amount of Medical Marijuana Concentrate or Retail Marijuana Concentrate of the same category and produced using the same extraction methods, standard operating procedures and an identical group of Harvest Batch(es) of Medical Marijuana or Retail Marijuana; or (b) any amount of Medical Marijuana Product or Retail Marijuana Product of the same exact type, produced using the same ingredients, standard operating procedures and the same Production Batch(es) of Medical Marijuana Concentrate or Retail Marijuana Concentrate.

“Professional Engineer” means a natural person who is licensed by the State of Colorado as a professional engineer pursuant to sections 12-25-101 *et seq.*, C.R.S.

“Proficiency Testing” means an assessment of the performance of a Medical Marijuana Testing Facility’s or Retail Marijuana Testing Facility’s methodology and processes. Proficiency Testing is also known as inter-laboratory comparison. The goal of Proficiency Testing is to ensure results are accurate, reproducible, and consistent.

“Propagation” means the reproduction of Regulated Marijuana plants by seeds, cuttings or grafting.

“Public Institution”, for purposes of the 1900 Series, means any entity established or controlled by the federal government, a state government, or a local government or municipality, including but not limited to institutions of higher education or public higher education research institutions.

“Public Money”, for purposes of the 1900 Series, means any funds or money obtained by the holder from any governmental entity, including but not limit to research grants.

“Publicly Traded Corporation” means any Person other than an individual that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia or another country that authorizes the sale of marijuana that:

- a. Has a class of Securities registered pursuant to section 12 of the Securities Exchange Act of 1934, as amended, that:
 - i. Constitutes Covered Securities; or
 - ii. Is qualified and quoted on the OTCQX or OTCQB tier of the OTC markets if:
 - A. The Person is then required to file reports and is filing reports on a current basis with the Federal Securities Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities; and
 - B. The Person has established and is in compliance with corporate governance measures pursuant to corporate governance obligations imposed on Securities qualified and quoted on the OTCQX tier of the OTC markets.
- b. Is an Entity that has a class of Securities listed on the Canadian Securities Exchange, Toronto Stock Exchange, TSX Venture Exchange, or NEO Exchange, if:
 - i. The Entity constitutes a Foreign Private Issuer whose Securities are exempt from registration pursuant to section 12 of the Federal Securities Exchange Act of 1934, as amended, pursuant to Rule 12g3-2(b) promulgated pursuant to the federal Securities Exchange Act of 1934, as amended; and
 - ii. The Entity has been, for the preceding three hundred sixty-five days or since the formation of the Entity, in compliance with all governance and reporting obligations imposed by the relevant exchange on such Entity; or

- c. Publicly Traded Corporation does not include:
 - i. An Ineligible Issuer, unless such Publicly Traded Corporation satisfies the definition of Ineligible Issuer solely because it is one or more of the following, and the Person is filing reports on a current basis with the Federal Securities and Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities, and prior to becoming a Publicly Traded Corporation, the Person for at least two years was licensed by the State Licensing Authority as a Regulated Marijuana Business with a demonstrated history of operations in the state of Colorado, and during such time was not subject to suspension or revocation of the business license:
 - A. a Blank Check Company;
 - B. an issuer in an offering of Penny Stock; or
 - C. a Shell Company.
 - ii. A Person disqualified as a Bad Actor.

“Qualified Institutional Investor” means:

- a. A bank as defined in Section 3(a) (6) of the Federal Securities Exchange Act of 1934, as amended, if the bank is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- b. A bank holding company as defined in the Federal Bank Holding Company Act of 1956, as amended, if the bank holding company is registered and current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- c. An insurance company as defined in Section 2(a) (17) of the Federal Investment Company Act of 1940, as amended, if the insurance company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- d. An investment company registered under Section 8 of the Federal Investment Company Act of 1940, as amended, and subject to 15 U.S.C. Sec. 80a-1 to 80a-64, if the investment company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- e. An employee benefit plan or pension fund subject to the Federal Employee Retirement Income Security Act of 1974, excluding an employee benefit plan or pension fund sponsored by a licensee or an intermediary or holding company licensee which directly or indirectly owns ten percent or more of a licensee;
- f. A state or federal government pension plan; or
- g. A group comprised entirely of persons specified in (a) through (g) of this definition.

“Qualified Private Fund” means an issuer that would be an investment company, as defined in section 3 of the Federal Investment Company Act of 1940, but for the exclusions provided under sections 3(c)(1) or 3(c)(7) of that Act, and that:

- a. Is advised or managed by an investment adviser as defined and registered under sections 80b-1-21, title 15 of the Federal Investment Advisors Act of 1940, and for which the registered investment adviser is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder; and
- b. Satisfies one or more of the following:
 - i. Is organized under the law of a state or the United States;
 - ii. Is organized, operated, or sponsored by a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended; or
 - iii. Sells Securities to a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended.

“R&D Co-Location Permit” means a permit issued to a Licensed Research Business authorizing it to co-locate with a commonly owned Medical Marijuana-Infused Products Manufacturer, Retail Marijuana Products Manufacturing Facility, Optional Premises Cultivation Operation, or Retail Marijuana Cultivation Facility pursuant to Rule M 1901. A separate R&D Co-Location Permit is required for each location at which a Licensed Research Business seeks to share a single Licensed Premises.

“Reasonable Cause” means just or legitimate grounds based in law and in fact to believe that the particular requested action furthers the purposes of the Medical Code and Retail Code or protects the public safety.

“Regulated Marijuana” means Medical Marijuana and Retail Marijuana. If the context requires, Regulated Marijuana includes Medical Marijuana Concentrate, Medical Marijuana-Infused Products, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Regulated Marijuana Business” means Medical Marijuana Businesses and Retail Marijuana Establishments.

“Regulated Marijuana Products” means Medical Marijuana-Infused Products and Retail Marijuana Products.

“Remediation” means the process by which Regulated Marijuana flower or trim, which has failed microbial testing, is processed into Solvent-Based Medical Marijuana Concentrate, or into Solvent-Based Retail Marijuana Concentrate, and retested as required by these rules.

“Resealable” means that the Container maintains its Child-Resistant effectiveness for multiple openings.

“Research Project” means a discrete scientific endeavor to answer a research question or a set of research questions. A Research Project must include a description of a defined protocol, clearly articulated goal(s), defined methods and outputs, and a defined start and end date. The description must demonstrate that the Research Project will comply with all requirements in the M 1900 Series. All research and development conducted by a Licensed Research Business must be conducted in furtherance of an approved Research Project.

“Respondent” means a person who has filed a petition for declaratory order that the State Licensing Authority has determined needs a hearing or legal argument or a Licensee who is subject to an Order to Show Cause.

“Responsible Vendor Program Provider” means a Person offering an Approved Training Program, in accordance with sections 44-11-1101, C.R.S., to Licensees seeking to be designated a responsible vendor.

“Restricted Access Area” means a designated and secure area within a Licensed Premises in 1) a Medical Marijuana Center where Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product are sold, possessed for sale, and displayed for sale, and where no one without a valid patient registry card is permitted, and 2) in a Retail Marijuana Store where Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product are sold, possessed for sale, and displayed for sale, and where no one under the age of 21 is permitted..

“Retail Code” means the Colorado Retail Marijuana Code, found at sections 44-12-101 *et seq*, C.R.S.

“Retail Marijuana” means all parts of the plant of the genus cannabis whether growing or not, the seeds thereof, the resin extracted from any part of the plant, and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds, or its resin, including but not limited to Retail Marijuana Concentrate that is cultivated, manufactured, distributed, or sold by a licensed Retail Marijuana Establishment. “Retail Marijuana” does not include industrial hemp, nor does it include fiber produced from stalks, oil, or cake made from the seeds of the plant, sterilized seed of the plant which is incapable of germination, or the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink, or other product. Unless the context otherwise requires, Retail Marijuana Concentrate is considered Retail Marijuana and is included in the term “Retail Marijuana” as used in these rules.

“Retail Marijuana Concentrate” means a specific subset of Retail Marijuana that was produced by extracting Cannabinoids from Retail Marijuana. Categories of Retail Marijuana Concentrate include Water-Based Retail Marijuana Concentrate, Food-Based Retail Marijuana Concentrate, Solvent-Based Retail Marijuana Concentrate, and Heat/Pressure-Based Retail Marijuana Concentrate.

“Retail Marijuana Cultivation Facility” means an entity licensed to cultivate, prepare, and package Retail Marijuana and Transfer Retail Marijuana to Retail Marijuana Establishments, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Establishment” means a Retail Marijuana Store, a Retail Marijuana Cultivation Facility, a Retail Marijuana Products Manufacturing Facility, a Retail Marijuana Testing Facility, a Retail Marijuana Establishment Operator, or a Retail Marijuana Transporter.

“Retail Marijuana Establishment Operator” means an entity that holds a license from the State Licensing Authority to provide professional operational services to one or more Retail Marijuana Establishments for direct remuneration from the Retail Marijuana Establishment(s), which may include compensation based upon a percentage of the profits of the Retail Marijuana Establishment(s) being operated. A Retail Marijuana Establishment Operator contracts with Retail Marijuana Establishment(s) to provide operational services. A Retail Marijuana Establishment Operator’s contract with a Retail Marijuana Establishment does not in and of itself constitute ownership.

“Retail Marijuana Product” means a product that is comprised of Retail Marijuana and other ingredients and is intended for use or consumption, such as, but not limited to, edible product, ointments and tinctures.

“Retail Marijuana Products Manufacturing Facility” means an entity licensed to purchase Retail Marijuana; manufacture, prepare, and package Retail Marijuana Product; and Transfer Retail Marijuana and Retail Marijuana Product to other Retail Marijuana Products Manufacturing Facilities, Retail Marijuana Stores, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Store” means an entity licensed to purchase Retail Marijuana from a Retail Marijuana Cultivation Facility and to purchase Retail Marijuana Product from a Retail Marijuana Products Manufacturing Facility and to Transfer Retail Marijuana and Retail Marijuana Product to consumers.

“Retail Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Retail Marijuana Transporter” means a Person that is licensed to transport Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products from one Retail Marijuana Establishment to another Retail Marijuana Establishment or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products at its Licensed Premises, but is not authorized to sell, give away, buy, or receive complimentary Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products under any circumstances. A Retail Marijuana Transporter does not include a Licensee that transports and distributes its own Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.

“RFID” means Radio Frequency Identification.

“Sample” means any item collected from a Regulated Marijuana Business and provided to a Medical Marijuana Testing Facility or Retail Marijuana Testing Facility for testing. The following is a non-exhaustive list of types of Samples: Medical Marijuana, Medical Marijuana-Infused Product, Medical Marijuana Concentrate, Retail Marijuana, Retail Marijuana Concentrate, Retail Marijuana Product, soil, growing medium, water, solvent or swab of a counter or equipment.

“Sampling Manager” means an Owner Licensee or Key Licensee designated by an Optional Premises Cultivation Operation, a Medical Marijuana-Infused Products Manufacturer, a Retail Marijuana Cultivation Facility, or a Retail Marijuana Products Manufacturer to receive Transfers of Sampling Units pursuant to Rules M 508 and 606, and Rules R 507 and 606.

“Sampling Unit” means a unit of Regulated Marijuana or Regulated Marijuana Products to a Sampling Manager for purposes of quality control and product development pursuant to Rules M 508 and 606, sections 44-11-403(4) and 44-11-404(12), C.R.S., and Rules R 507 and 606, sections 44-12-403(6) and 44-12-404(10), C.R.S.

“Security(ies)” means any note, stock, treasury stock, security future, security-based swap, bond, debenture, evidence of indebtedness, certificate of interest or participation in any profit-sharing agreement, collateral-trust certificate, preorganization certificate or subscription, transferable share, investment contract, voting-trust certificate, certificate of deposit for a security, fractional undivided interest in oil, gas, or other mineral rights, any put, call, straddle, option, or privilege on any security, certificate of deposit, or group index of securities (including any interest therein or based on the value thereof), or any put, call, straddle, option, or privilege entered into on a national securities exchange relating to foreign currency, or, in general, any interest or instrument commonly known as a “security,” or any certificate of interest or participation in, temporary or interim certificate for, receipt for, guarantee of, or warrant or right to subscribe to or purchase, any of the foregoing.

“Security Alarm System” means a device or series of devices, intended to summon law enforcement personnel during, or as a result of, an alarm condition. Devices may include hard-wired systems and systems interconnected with a radio frequency method such as cellular or private radio signals that emit or transmit a remote or local audible, visual, or electronic signal; motion detectors, pressure switches, duress alarms (a silent system signal generated by the entry of a designated code into the arming station to indicate that the user is disarming under duress); panic alarms (an audible system signal to indicate an emergency situation); and hold-up alarms (a silent system signal to indicate that a robbery is in progress).

“Shell Company” means a registrant, other than an asset-backed issuer as defined in Item 1101(b) of Regulation AB, that has:

- a. No or nominal operations; and
- b. Either:
 - i. No or nominal operations;
 - ii. Assets consisting solely of cash and cash equivalents; or
 - iii. Assets consisting of any amount of cash and cash equivalents and nominal other assets.

“Shipping Container” means a hard-sided container with a lid or other enclosure that can be secured in place. A Shipping Container is used solely for the transport of Regulated Marijuana or Regulated Marijuana Product between Regulated Marijuana Businesses, a Medical Research Facility, or a Pesticide Manufacturer.

“Single-Serving Edible Retail Marijuana Product” means an Edible Retail Marijuana Product unit for sale to consumers containing no more than 10mg of active THC.

“Solvent-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of a solvent approved by the Division pursuant to Rule M 605.

“Solvent-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of a solvent approved by the Division pursuant to Rule R 605.

“Standardized Graphic Symbol” means a graphic image or small design adopted by a Licensee to identify its business.

“State Licensing Authority” means the authority created for the purpose of regulating and controlling the licensing of the cultivation, manufacture, distribution, and Transfer of Medical Marijuana and Retail Marijuana in Colorado, pursuant to section 44-11-201, C.R.S.

“Support License” means a license for an natural person who performs duties that support the Regulated Marijuana Business’ operations. A Support Licensee is a person with less decision-making authority than a Key Licensee. Examples of persons who need this type of license include, but are not limited to, sales clerks or cooks.

“Temporary Appointee Registration” means a registration issued to a Court Appointee pursuant to section 44-11-401(1.5)(b), C.R.S.

“THC” means tetrahydrocannabinol.

“THCA” means tetrahydrocannabinolic acid.

“Test Batch” means a group of Samples that are derived from a single Harvest Batch, Production Batch, or Inventory Tracking System package, and that are collectively submitted to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility for testing purposes.

“Total THC” means the sum of the percentage by weight of THCA multiplied by 0.877 plus the percentage by weight of THC, i.e., $\text{Total THC} = (\% \text{ THCA} \times 0.877) + \% \text{ THC}$.

“Transfer(s)(ed)(ing)” means to grant, convey, hand over, assign, sell, exchange, donate, or barter, in any manner or by any means, with or without consideration, any Regulated Marijuana or Regulated Marijuana Product from one Licensee to another Licensee, to a patient, or to a consumer. A Transfer includes the movement of Regulated Marijuana or Regulated Marijuana Product from one Licensed Premises to another, even if both premises are contiguous, and even if both premises are owned by a single Person or group of Persons, and also includes a virtual Transfer that is reflected in the Inventory Tracking System, even if no physical movement of the Regulated Marijuana or Regulated Marijuana Product occurs.

“Universal Symbol” means the image established by the Division and made available to Licensees through the Division’s website indicating the Regulated Marijuana or Regulated Marijuana Product contains marijuana.

“Unrecognizable” means marijuana or *Cannabis* plant material rendered indistinguishable from any other plant material.

“U.S. Person” means:

- a. Any natural person resident in the United States;
- b. Any partnership or corporation organized or incorporated under the laws of the United States;
- c. Any estate of which any executor or administrator is a U.S. natural person;
- d. Any trust of which any trustee is a U.S. natural person;
- e. Any agency or branch of a foreign entity located in the United States;
- f. Any non-discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary for the benefit or account of a U.S. natural person;
- g. Any discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary organized, incorporated, or (if a natural person) resident in the United States; and
- h. Any partnership or corporation if:
 - i. Organized or incorporated under the laws of any foreign jurisdiction; and
 - ii. Formed by a U.S. natural person principally for the purpose of investing in Owner’s Interests not registered under the Securities Act of 1933, unless it is organized or incorporated, and owned, by accredited investors (as defined in § 230.501(a)) who are not natural persons, estates or trusts.

“Vegetative” means the state of the *Cannabis* plant during which plants do not produce resin or flowers and are bulking up to a desired production size for Flowering.

“Water-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting cannabinoids from Medical Marijuana through the use of only water, ice, or dry ice.

“Water-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of only water, ice, or dry ice.

Rule 200-1 Series – Applications and Licenses (effective August 1, 2019)

Basis and Purpose – Rule 201-1

House Bill 19-1090 includes a safety clause and provides it applies to all applications received on or after November 1, 2019. The purpose of this rule is to clarify the effective date of these rules given the safety clause and November 1, 2019, application date in HB19 1090.

Rule 201-1 – Applicability

These rules are effective August 1, 2019. Applications requiring a finding of suitability, involving a Publicly Traded Corporation, or involving a Qualified Private Fund, may be made on or after November 1, 2019. Applications that do not require a finding of suitability or that do not involve a Publicly Traded Corporation or Qualified Private Fund remain subject to the application submission requirements as of the date these rules are adopted by the State Licensing Authority.

Basis and Purpose – Rule 205-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-104, 44-11-310, 44-11-401, 44-11-501, 44-11-502, 44-11-1101, 44-11-1102, 44-11-202(2)(a)(XXVI), 44- 44-12-202(2)(a), 44-11-1101, 44-11-1102, 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), 44-12-103, 44-12-401, 44-11-501, 44-11-502, 44-12-501, and 44-12-202(2)(a)(XXII), C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish fees required for applications, licenses fees, permits, and other fees required to accompany applications and submissions to the Division. The Division anticipates evaluating all fees in connection with a fee analysis. The fee analysis could include a recommendation to move to a deposit based finding of suitability fee for some or all Controlling Beneficial Owners. Any recommendations from the fee analysis would be considered during subsequent rulemaking proceedings.

Rule 205-1 – Fees

A. Regulated Marijuana Business Initial Application and License Fees.

1. Medical Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
<u>Medical Marijuana Center</u>	\$5,000.00	\$2,000.00
<u>Medical Marijuana-Infused Products Manufacturer</u>	\$1,000.00	\$1,500.00
<u>Optional Premises Cultivation Operation</u>	\$1,000.00	
Class 1 (1-500 plants)		\$1,500.00
Class 2 (501-1,500 plants)		\$1,000.00
Class 3 (1,501-3,000 plants)		\$2,500.00
Expanded Production Management (for each class of 3,000 plants over Class 3)		\$2,500.00 plus an additional \$1,000 for each class of 3,000 plants over Class 3.

<u>Medical Marijuana Testing Facility</u>	\$1,000.00	\$1,500.00
<u>Medical Marijuana Transporter</u>	\$1,000.00	\$4,400.00
<u>Medical Marijuana Business Operator</u>	\$1,000.00	\$2,200.00
<u>Marijuana Research and Development Facility</u>	\$1,000.00	\$1,500.00
<u>Marijuana Research and Development Cultivation</u>	\$1,000.00	\$1,500.00

2. Retail Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
<u>Retail Marijuana Store</u>	\$5,000.00	\$2,000.00
<u>Retail Marijuana Products Manufacturing Facility</u>	\$5,000.00	\$1,500.00
<u>Retail Marijuana Cultivation Facility</u> Tier 1 (1-1,800 plants) Tier 2 (1,801-3,600 plants) Tier 3 (3,601-6,000 plants) Tier 4 (6,001-10,200 plants) Tier 5 (10,201-13,800 plants) Expanded Production Management (for each additional tier of 3,600 plants over Tier 5)	\$5,000.00	\$1,500.00
		\$1,000.00
		\$2,000.00
		\$4,000.00
		\$6,000.00
		\$6,000.00 plus an additional \$1,000 for each tier of 3,600 plants over Tier 5
<u>Retail Marijuana Testing Facility</u>	\$1,000.00	\$1,500.00
<u>Retail Marijuana Transporter</u>	\$1,000.00	\$4,400.00
<u>Retail Marijuana Business Operator</u>	\$1,000.00	\$2,200.00

B. **Regulated Marijuana Business Renewal Application and Fees.**

1. **Medical Marijuana Businesses.**

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>
<u>Medical Marijuana Center</u>	\$1,500.00	\$300.00
<u>Medical Marijuana-Infused Products Manufacturer</u>	\$1,500.00	
<u>Optional Premises Cultivation Operation</u>	\$1,500.00	
Class 1 (1-500 plants)	\$800.00	
Class 2 (501-1,500 plants)	\$2,000.00	
Class 3 (1,501-3,000 plants)	\$2,000.00 plus an additional \$800 for each class of 3,000 plants over Class 3.	
Expanded Production Management (for each class of 3,000 plants over Class 3)		
<u>Medical Marijuana Testing Facility</u>	\$1,500.00	
<u>Medical Marijuana Transporter</u>	\$4,400.00	
<u>Medical Marijuana Business Operator</u>	\$2,200.00	
<u>Marijuana Research and Development Facility</u>	\$1,500.00	
<u>Marijuana Research and Development Cultivation</u>	\$1,500.00	

2. **Retail Marijuana Businesses.**

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>
<u>Retail Marijuana Store</u>	\$1,500.00	\$300.00
<u>Retail Marijuana Products Manufacturing Facility</u>	\$1,500.00	
<u>Retail Marijuana Cultivation Facility</u>	\$1,500.00	
Tier 1 (1-1,800 plants)		
Tier 2 (1,801-3,600 plants)	\$800.00	
Tier 3 (3,601-6,000 plants)	\$1,500.00	
Tier 4 (6,001-10,200 plants)	\$3,000.00	

Tier 5 (10,201-13,800 plants)	\$5,000.00	
Expanded Production Management (for each additional tier of 3,600 plants over Tier 5)	\$5,000.00 plus an additional \$800.00 for each tier of 3,600 plants over Tier 5	
<u>Retail Marijuana Testing Facility</u>	\$1,500.00	
<u>Retail Marijuana Transporter</u>	\$4,400.00	
<u>Retail Marijuana Business Operator</u>	\$2,200.00	

C. **Owner Request for a Finding of Suitability, Owner License and Owner Identification Badge – Initial Application and Renewal Fees.**

1. **Controlling Beneficial Owner Request for a Finding of Suitability.**
 - a. Colorado Resident Controlling Beneficial Owner - \$800.00 Per Natural Person
 - b. Non-Resident Controlling Beneficial Owner - \$5,000.00 Per Natural Person
 - c. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include either a \$800.00 (Colorado resident) or a \$5,000.00 (non-resident) fee for each of its Executive Officers and any person that indirectly Beneficially Owns ten percent or more of the Regulated Marijuana Business.
2. **Owner License and Owner Identification Badge.** A Person possessing an Owner License may be issued an Identification Badge. Only Controlling Beneficial Owners and Passive Beneficial Owners can obtain an Owner License.
 - a. **Controlling Beneficial Owner and any Passive Beneficial Owner Subject to a Finding of Suitability - License Fee.** A Controlling Beneficial Owner or Passive Beneficial Owner who was found suitable after November 1, 2019, and within the preceding 365 days, must pay a license fee of \$75.00 prior to obtaining an Owner Identification Badge.
 - b. **Passive Beneficial Owner Application and License Fee.** A Passive Beneficial Owner may, but is not required to, apply for an Owner License and Identification Badge. A Passive Beneficial Owner who has not obtained a finding of suitability after November 1, 2019, and within the preceding 365 days, must pay an initial application and license fee of \$800.00 (Colorado resident) or \$5,000.00 (non-resident) fee for each natural person or, if the Passive Beneficial Owner is an Entity, the Entity must pay the fee for each of its Executive Officers.
 - i. Of the total Passive Beneficial Owner application and license fee, \$75.00 is the license fee and the remaining \$725.00 (Colorado resident) or \$4,925.00 (non-resident) is the application fee. A Person submitting an application for a Passive Beneficial Owner license may submit the total fee of either \$800.00 or \$5,000.00 in one form of payment.
3. **Owner License Renewal Fee.** All Controlling Beneficial Owners and Licensed Passive Beneficial Owners - \$500.00

D. **Employee License – Initial Application and Renewal Fees.**

1. Key License Initial Application and License Fee - \$250.00
 - a. Of the total Key License application and license fee, \$225.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Key License may submit the total fee of \$250.00 in one form of payment.
2. Support License Initial Application and License Fee - \$75.00
 - a. Of the total Support License application and license fee, \$50.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Support License may submit the total fee of \$75.00 in one form of payment.
3. Key and Support License Renewal Fee - \$75.00

E. **Temporary Appointee Registration - Request for Finding of Suitability Fees**

1. Natural Person - \$225.00
2. Entity - \$800.00

F. **Other Fees.** The following other fees apply:

1. Permits.
 - a. Off Premises Storage Permit - \$1,500.00
 - b. Medical Marijuana Transporter Off Premises Storage Permit - \$2,200.00
 - c. Centralized Distribution Permit Initial and Renewal Fee - \$20.00
 - d. R&D Co-Location Permit Initial and Renewal Fee - \$50.00
2. Regulated Marijuana Business Changes.
 - a. Change of Controlling Beneficial Owner – Not Involving a Publicly Traded Corporation – New Controlling Beneficial Owner(s) - \$1,600.00
 - b. Change of Entity Type/Jurisdiction - \$800.00
 - c. Change of Trade Name - \$50.00
 - d. Change of Location - \$500.00
 - e. Modification of Licensed Premises - \$100.00
3. Licensed Research Business Research Project Proposal - \$500.00
4. Responsible Vendor Provider Applications.
 - a. Responsible Vendor Provider Initial Application - \$850.00
 - b. Responsible Vendor Provider Renewal Application - \$350.00
5. Duplicate License, Identification Badge, or Certificate.

- a. Duplicate Business License - \$20.00
- b. Duplicate Owner or Employee Identification Badge - \$20.00
- c. Responsible Vendor Program Provider Duplicate Certificate - \$50.00

G. When Fees are Due. All fees in this Rule are due at the time the application or request is submitted.

Basis and Purpose – Rule 210-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304(1), 44-12-202(2)(b), 24-4-105(2), and 44-12-601(2), C.R.S. The purpose of this rule is to clarify the duties that Applicants and Licensees have when reporting to the State Licensing Authority information that is necessary for the issuance of a state license. These duties include but are not limited to reporting and keeping a mailing address current, reporting a felony conviction or other disqualifying event, cooperating with the State Licensing Authority and his or her employees, and notifying the State Licensing Authority of any change of registered agent in the State of Colorado.

Rule 210–1 – Duties of All Applicants and Licensees

A. Duty to Keep Mailing Address Current: All Licensees.

1. Timing of Notification. An Applicant or Licensee must provide a physical mailing address to the Division and may provide an electronic mailing address to the Division. A Licensee must inform the Division in writing of any change to its physical mailing address and/or electronic mailing address within 28 days of the change. The Division will not change a Licensee's information without written notice from the Licensee or its authorized agent.
2. State Licensing Authority and Division Communications. The State Licensing Authority and Division will send any formal notifications or determinations regarding any application or an administrative action to the last mailing address and to the last electronic mailing address, if any, furnished to the Division by the Applicant or Licensee.
3. Failure to Change Address Does Not Relieve Applicant's or Licensee's Obligations. An Applicant's or Licensee's failure to notify the Division of a change of physical or electronic mailing address does not relieve the Applicant or Licensee from the obligation of responding to a Division communication or a State Licensing Authority communication.

B. Duty to Report Felony Convictions, Deferred Sentences and Judgments. An Applicant or Licensee must notify the Division in writing of any felony conviction or deferred sentence or judgment regarding a felony against him or her within seven days of the conviction or deferred sentence or judgment. The notification must include disposition documents. Failure to make required notification to the Division may be grounds for administrative action.

C. Duty to Report Any Disqualifying Event. Applicants and Licensees must notify the Division within seven days of any change of fact that would result in the Applicant or Licensee being disqualified from holding a license, permit, or registration pursuant to the Medical Code, the Retail Code, or these Rules.

D. Duty to Cooperate. Applicants and Licensees must cooperate in any investigation conducted by the Division. Failure to cooperate with a Division investigation may be grounds for denial of an application or for administrative action against a Licensee.

E. Duty to Report Change of Registered Agent. A Regulated Marijuana Business must disclose any change of its registered agent in the State of Colorado within seven days of the change.

Basis and Purpose – Rule 215-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a) (XIX), 44-11-202(2)(a)(XXIV), 44-11-202(5)(a)(I)-(III), 44-11-304, 44-11-306, 44-11-307, 44-11-309, 44-11-310, 44-11-311, 44-11-313, 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a) (XIV), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-202(6)(a)(I)-(III), 44-12-303, 44-12-305, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to clarify the type of information an Applicant or Licensee must provide to the State Licensing Authority to require notification of the applicable local licensing authority or local jurisdiction, a requirement that the Applicant or Licensee establish he or she is not a person prohibited under the Medical or Retail Codes, and to require submission of documents necessary to establish financial history and tax compliance.

Rule 215-1 – All Application Requirements

This Rule 215-1 applies to all applications submitted to the Division for a license, permit or registration provided by the Medical Code or the Retail Code.

- A. Division Forms Required. All applications for licenses, registrations or permits authorized by subsections 44-11-401(1) and (1.5), or 44-12-401(1) and (1.5), C.R.S., must be made on current Division forms.
- B. Application Fees Required. Applications must be accompanied by full remittance of the required application and license fees. See Rule 205-1.
- C. Complete, Accurate, and Truthful Applications Required. Applications must be complete, accurate and truthful and include all attachments and supplemental information. Incomplete applications may not be accepted by the Division.
- D. Local Licensing Authority/Local Jurisdiction.
 - 1. Each application must identify the applicable local licensing authority or local jurisdiction.
 - 2. If the local licensing authority or local jurisdiction requires a physical copy of the application, the Applicant or Licensee must submit the original application and one identical copy to the Division. Otherwise the Applicant or Licensee must submit only the original application to the Division.
- E. Applicant Not Prohibited from Licensure. Applicants must provide information establishing the Applicant is not a Person prohibited from licensure by sections 44-11-306 or 44-12-305, C.R.S. Each natural person required to obtain an Owner License or an Employee License must provide proof of lawful presence or citizenship, and Colorado residency, if required.
- F. Additional Information and Documents May Be Required.
 - 1. Upon request by the Division, an Applicant must provide additional information or documents required to process and investigate the application. The additional information or documents must be provided to the Division within seven days of the request, however, this deadline may be extended for a period of time commensurate with the scope of the request.
 - 2. An Applicant's failure to provide requested information or documents by the deadline may be grounds for denial of the application.
- G. Application Forms Accessible. All application forms provided by the Division and filed by an Applicant for a license, registration, or permit, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code, for investigation or enforcement of any international, federal, state, or local securities

law or regulation, for any other state or local law enforcement purpose, or as otherwise required by law.

Basis and Purpose – Rule 220-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(e), 44-11-202(2)(a) (XVI), 44-11-202(a)(XVII), 44-11-202(5)(a), 44-11-301, 44-11-304, 44-11-310, 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(XII), 44-12-202(3)(c)(VII), 44-12-202(6)(a), 44-12-303, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to establish the general requirements and processes for submission of an initial application to the State Licensing Authority.

Rule 220–1 – Initial Application Requirements for Regulated Marijuana Businesses

- A. Documents and Information Required. Every initial application for a Regulated Marijuana Business license must include all required documents and information including, but not limited to:
1. A copy of the local license application, if required, for a Regulated Marijuana Business.
 2. Certificate of Good Standing from the jurisdiction in which the Entity was formed, which must be one of the states of the United States, territories of the United States, District of Columbia or another country that authorizes the sale of marijuana.
 3. If the Applicant is an Entity, the identity and physical address of its registered agent in the state of Colorado.
 4. Organizational Documents. Articles of incorporation, by-laws, and any shareholder agreement for a corporation; articles of organization and operating agreement for a limited liability company; or partnership agreement for a partnership.
 5. Corporate Governance Documents:
 - a. A Regulated Marijuana Business that is a Publicly Traded Corporation must maintain corporate governance documents as required by the securities exchange on which its securities are listed and traded and 44-11-104(22.7)((a)(II) (B) and 4-12-103(19.5)(a)(II)(B), C.R.S., and must provide those corporate governance documents with each initial application.
 - b. A Regulated Marijuana Business that is not a Publicly Traded Corporation is not required to maintain any corporate governance documents. However, if the Regulated Marijuana Business that is not a Publicly Traded Corporation voluntarily maintains corporate governance documents, the Division encourages inclusion of such documents with each initial application.
 6. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Applicant is, or will be, entitled to possession of the premises for which the application is made.
 7. Legible and accurate diagram for the facility. The diagram must include a plan for the Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide a .pdf copy of the diagram.
 8. All required findings of suitability issued by the Division.
 9. All required Owner License application(s).

10. If the applicant is a Publicly Traded Corporation,
 - a. Documents establishing the Publicly Traded Corporation qualifies to hold a Regulated Marijuana Business license including but not limited to disclosure of the securities exchange(s) on which its Securities are listed and traded, the stock symbol(s), the identity of all regulators with regulatory oversight over its Securities; and
 - b. Divestiture plan for any Controlling Beneficial Owner that is a Person prohibited by the Medical Code or the Retail Code, has had her or his Owner License revoked, or has been found unsuitable.
11. Financial Statements. Consolidated financial statements (which may be prepared on either a calendar or fiscal year basis) that were prepared in the preceding 365 days, and which must include a balance sheet, an income statement, and a cash flow statement. If the Applicant or Regulated Marijuana Business is required to have audited financial statements by another regulator (e.g. United States Securities and Exchange Commission or the Canadian Securities Administrators) the financial statements provided to the Division must be audited and must also include all footnotes, schedules, auditors' report(s), and auditor's opinion(s). If the financial statements are publicly available on a website (e.g. EDGAR or SEDAR), the Applicant or Regulated Marijuana Business may provide notification of the website link where the financial statements can be accessed in lieu of hardcopy submission.
12. Tax Documents. Documentation establishing compliant return filing and payment of taxes related to any Regulated Marijuana Business in which the Person is, or was, required to file and pay taxes.

B. Local Licensing/Approval Required.

1. Medical Marijuana Business Local Licensing Authority Approval Required.
 - a. If the Division grants a license to a Medical Marijuana Business before the local licensing authority approves the application or grants a local license, the state license will be conditioned upon local approval. If the local licensing authority denies the application, the state license will be revoked.
 - b. An Applicant is prohibited from operating a Medical Marijuana Business prior to obtaining all necessary licenses, registrations, permits or approvals from both the State Licensing Authority and the local licensing authority.
2. Retail Marijuana Business Local Jurisdiction Approval Required.
 - a. If the Division grants a license for a Retail Marijuana Business before the local jurisdiction approves the application or grants a local license, the license will be conditioned upon local jurisdiction approval. If the local jurisdiction denies the application, the state license will be revoked.
 - b. The Applicant has one year from the date of licensing by the State Licensing Authority to obtain approval or licensing from the local jurisdiction. If the Applicant fails to obtain local jurisdiction approval or licensing within one year from grant of the state license, the state license expires and may not be renewed.
 - c. An Applicant is prohibited from operating a Retail Marijuana Business prior to obtaining all necessary approvals or licenses from both the State Licensing Authority and the local jurisdiction.

Basis and Purpose – Rule 225-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a) (XVI), 44-11-202(2)(a)(XVII), 44-11-305, 44-11-310, 44-11-311, 44-12-202(2)(b), 44-12-202(3)(c)(VII), 44-12-304, 44-12-309, and 44-12-310, C.R.S. The purpose of this rule is to establish the requirements and procedures for the license renewal process.

Rule 225–1 – Renewal Application Requirements for All Licensees

A. License Periods.

1. Regulated Marijuana Business and Owner Licenses are valid for one year from the date of issuance.
2. Medical Marijuana Transporters, Retail Marijuana Transporters, and Employee Licenses are valid for two years from the date of issuance.

B. Division Notification Prior to Expiration.

1. The Division will send a notice for license renewal 90 days prior to the expiration of an existing license by first class mail to the Licensee's physical address of record.
2. Failure to receive the Division notification does not relieve the Licensee of the obligation to timely renew the license.

C. Renewal Deadline.

1. A Licensee may apply for the renewal of an existing license at least 30 days prior to the license's expiration date. A renewal application filed at least 30 days prior to expiration of the license is timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until a Final Agency Order on the renewal application.
2. If the Licensee files a renewal application less than 30 days prior to expiration, the Licensee must provide a written explanation detailing the circumstances surrounding the untimely filing. If the Division accepts the application, then the application is deemed timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until Final Agency Order on the renewal application.

D. License Expiration.

1. If License Not Renewed Before Expiration. A license is immediately invalid upon expiration if the Licensee has not filed a renewal application and remitted all of the required application and license fees prior to the license expiration date. A Regulated Marijuana Business that fails to file a renewal application and remit all required application and license fees prior to the license expiration date must not operate unless it first obtains a new state license and any required local license.
2. Administratively Continued Regulated Marijuana License. In the event of a renewal application filed after the license expiration date, a Regulated Marijuana Business may not operate unless and until the Division informs the Regulated Marijuana Business Licensee that the license has been administratively continued. A Regulated Marijuana Business whose license has been administratively continued may continue to operate until Final Agency Order on the renewal application. Review of the renewal application will include, among other factors, a review of whether the Regulated Marijuana Business operated with an expired license.

3. The Division will not accept a renewal application filed more than 90 days after the expiration date of the license. A Regulated Marijuana Business license that expired over 90 days prior to submission of the Regulated Marijuana Business' renewal application may only submit a new initial application to the State Licensing Authority.
- E. Voluntarily Surrendered or Revoked Licenses Not Eligible for Renewal. Any license that was voluntarily surrendered or revoked by a Final Agency Order is not eligible for renewal. Any Licensee who voluntarily surrendered its license or has had its license revoked by a Final Agency Order may only submit an initial application. The State Licensing Authority will consider the voluntary surrender or the Final Agency Order and all related facts and circumstances in determining approval of any subsequent initial application.
- F. Licenses Subject to Ongoing Administrative Action. Licenses subject to an administrative action are subject to the requirements of this Rule. Licenses that are not timely renewed expire.
- G. Documents Required at Renewal. A Regulated Marijuana Business must provide the following documents with every renewal application:
1. Any document required by Rule 220-1(A)(1) through (10) that has changed since the document was last submitted to the Division. It is a license violation affecting public safety to fail to submit any document that changed since the last submission for the purpose of circumventing the requirements of the Medical Code, the Retail Code or these Rules;
 2. A copy of the approval or licensure from the local licensing authority and/or local jurisdiction or documentation demonstrating timely submission of pending local license renewal application;
 3. A list of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency, including but not limited to the United States Securities and Exchange Commission or the Canadian Securities Administrators.
 4. A Regulated Marijuana Business operating under a single Entity name with more than one license may submit the following documents only once each calendar year on the first license renewal in lieu of submission with every license renewal in the same calendar year:
 - a. Tax documents and financial statements required by Rule 220-1(A)(11) and (12);
 - b. If the Regulated Marijuana Business is a Publicly Traded Corporation, the most recent list of Non-Objecting Beneficial Owners possessed by the Regulated Marijuana Business;
 - c. A copy of any management agreement(s) the Regulated Marijuana Business has entered into. For example, management agreements include any agreement between the Regulated Marijuana Business and any Person, regardless of whether that Person is licensed, for the management of the overall operations of the Regulated Marijuana Business or its Licensed Premises or any material portion of the Regulated Marijuana Business or its Licensed Premises; and
 - d. Contracts, agreements, royalty agreements, equipment lease, financing agreement, or security contract for any Indirect Financial Interest Holder that is required to be disclosed by Rule 230-1(A)(3).

Basis and Purpose – Rule 230-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a) (VIII), 44-11-202(2)(a)(IX), 44-11-202(2)(a)(XVI), 44-11-202(2)(a)(XVII), 44-11-307.5, 44-11-313, 44-12-202(3)(c)(IV), 44-12-202(3)(c)(V) 44-12-202(3)(a)(III), 44-12-306.5, and 44-12-313, C.R.S. Sections 44-11-307.5 and 44-12-306.5, C.R.S., establish varying disclosure requirements for Applicants and Licensees regarding disclosure of financial interests and ownership in a Regulated Marijuana Business. The purpose of this rule is to clarify information an Applicant or Licensee must disclose to the State Licensing Authority at the various levels, which include mandatory disclosure, disclosure in the State Licensing Authority's discretion, and disclosure for reasonable cause. This rule also provides factors that will be considered in determining whether a Regulated Marijuana Business exercised reasonable care and whether a Person is in control of a Regulated Marijuana Business.

Rule 230–1 – Disclosure of Financial Interests in a Regulated Marijuana Business

- A. Mandatory Disclosures. Information required to be disclosed by sections 44-11-307.5 and 44-12-306.5, C.R.S., must be identified in every initial, renewal and change of owner application. Mandatory disclosures include, but are not limited to:
1. All Regulated Marijuana Businesses (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations) must disclose an organizational chart including the identity and ownership percentages of all Controlling Beneficial Owners;
 2. All Controlling Beneficial Owners.
 - a. For any Controlling Beneficial Owner that is an Entity (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations):
 - i. The Controlling Beneficial Owner's Executive Officers; and
 - ii. Beneficial Owners of ten percent or more of the Controlling Beneficial Owner.
 - b. Natural Persons:
 - i. Name,
 - ii. Address,
 - iii. Date of birth,
 - iv. Social Security Number or other Federal Government issued identification number.
 - c. Qualified Private Fund: Organizational chart reflecting the identity and ownership percentages of the Qualified Private Fund's Executive Officers, investment advisers, investment adviser representatives, any trustee or equivalent, and any other Person that controls the investment in, or management or operations of, a Regulated Marijuana Business
 3. Any Indirect Financial Interest Holder that:
 - a. Holds two or more indirect financial interests,
 - b. Is also a Passive Beneficial Owner, or
 - c. That is contributing debt financing, secured or unsecured, that has not previously been disclosed and exceeds fifty percent of the operating capital of the Regulated Marijuana Business or if the calculation yields a negative number.

Operating capital is defined as total current and fixed assets less total liabilities (as presented on the balance sheet consistent with the business's past practices), measured as of the nearest month's end prior to the date of the applicable loan document(s).

B. Discretionary Disclosure. In his or her reasonable discretion, the State Licensing Authority may require disclosure following an initial or renewal application for a Regulated Marijuana Business as follows:

1. For a Regulated Marijuana Business or a Controlling Beneficial Owner, neither of which is a Publicly Traded Corporation, its:
 - a. Affiliates,
 - b. Beneficial Owners of a Controlling Beneficial Owner;
2. Qualified Private Fund's Affiliates; and
3. Managers of a Controlling Beneficial Owner.

C. Reasonable Cause Disclosure. An Applicant will be notified by the State Licensing Authority of Reasonable Cause to require additional disclosure. The State Licensing Authority's notification will identify the facts and law supporting Reasonable Cause for the disclosure and the deadline for disclosure. The following may be required to be disclosed by the State Licensing Authority's notification:

1. An updated list of all Non-objecting Beneficial Owners in a Publicly Traded Corporation that is either a Regulated Marijuana Business or a Controlling Beneficial Owner reflecting ownership as of the date of request;
2. All Passive Beneficial Owners in a Regulated Marijuana Business that is not a Publicly Traded Corporation. If the Passive Beneficial Owner is not a natural person, the members of the board of directors, general partners, managing members, or Managers or Executive Officers and Beneficial Owners of ten percent or more of the Passive Beneficial Owner;
3. A list of all Beneficial Owners of a Qualified Private Fund;
4. All Indirect Financial Interest Holders of a Regulated Marijuana Business, and, for any Indirect Financial Interest Holder that is an Entity, the Beneficial Owners of ten percent and more of the Indirect Financial Interest Holder.

D. Affirmation of Reasonable Care.

1. Reasonable Care Affirmation for a Regulated Marijuana Business that is not a Publicly Traded Corporation. A Regulated Marijuana Business that is not a Publicly Traded Corporation must affirm it exercised reasonable care to confirm its Passive Beneficial Owner(s), including any Qualified Institutional Investors, and Indirect Financial Interest Holder(s) are not Persons prohibited under these Rules, the Medical Code or the Retail Code. A Regulated Marijuana Business exercises reasonable care if it:
 - a. Receives documentation from each Passive Beneficial Owner, including any Qualified Institutional Investor, and each Indirect Financial Interest Holder affirming each is not a Person prohibited by these Rules, or the Medical Code or Retail Code; and

- b. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Passive Beneficial Owner or Indirect Financial Interest Holder's affirmation.
 - 2. Reasonable Care Affirmation for a Regulated Marijuana Business that is a Publicly Traded Corporation. A Regulated Marijuana Business that is a Publicly Traded Corporation must affirm that it exercised reasonable care to confirm its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, and Indirect Financial Interest Holder(s) are not Persons prohibited by these Rules, the Medical Code or Retail Code. A Regulated Marijuana Business that is a Publicly Traded Corporation exercises reasonable care if it:
 - a. At least annually, checks a list of its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, against the Specially Designated Nationals and Blocked Persons List (SDN List) on the United States Treasury Office of Foreign Assets Control (OFAC) website and the Financial Industry Regulatory Authority (FINRA) website for Persons Barred by FINRA to determine if there are any prohibited Persons;
 - b. Receives documentation from its Indirect Financial Interest Holder(s) affirming each is not a Person prohibited these Rules, the Medical Code or the Retail Code; and
 - c. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Indirect Financial Interest Holder's affirmation.
 - 3. An Applicant's or a Regulated Marijuana Business's failure to exercise reasonable care is grounds for denial, fine, suspension, revocation, or other sanction by the State Licensing Authority. An Applicant or Regulated Marijuana Business in compliance with subparagraphs (D)(1)-(2) of this Rule has exercised reasonable care. The State Licensing Authority may consider facts and circumstances beyond those in subparagraphs (D)(1)-(2) in determining whether an Applicant or a Regulated Marijuana Business exercised reasonable care.
- E. Control. The State Licensing Authority will consider all facts and circumstances in determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.
- 1. Non-Exhaustive Factors. Non-exhaustive facts and circumstances that will be considered when evaluating Control include, but are not limited to:
 - a. The Person's percentage of ownership, if any;
 - b. The Person's ability to influence the decision of the Regulated Marijuana Business;
 - c. The Person is a Manager of the Regulated Marijuana Business;
 - d. The Person has a close relationship, familial tie or common purpose or motive with one or more Persons in Control of the Regulated Marijuana Business;
 - e. The Person has substantial business relationship(s) with the Regulated Marijuana Business;
 - f. The Person has the ability to control the proxy machinery or to win a proxy contest;

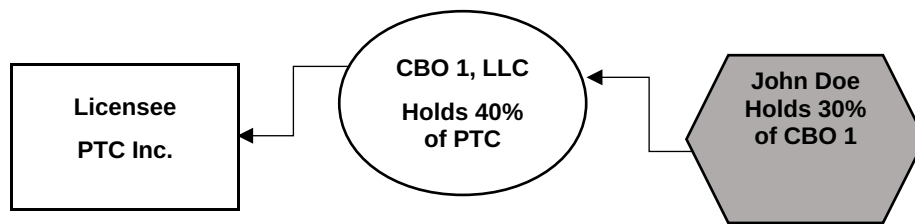
- g. The Person is a primary creditor of the Regulated Marijuana Business; or
 - h. The Person is the original incorporator of the Regulated Marijuana Business.
2. Totality of the Evidence. The State Licensing Authority may consider the totality of the evidence when determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.

Basis and Purpose – Rule 235-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.6, 44-11-309(4), 44-11-313, 44-12-202(6)(a), 44-12-306.6, 44-12-308(4), and 44-12-312, C.R.S. For those persons disclosed or who should have been disclosed to the State Licensing Authority, sections 44-11-307.6 and 44-12-306, C.R.S., requires that a Person obtain a finding of suitability from the State Licensing Authority. The purpose of this rule is to explain the conditions under which a Person is subject to either a mandatory finding of suitability, a finding of suitability for reasonable cause, or qualified to obtain an exemption for a finding of suitability and to identify the information and documents that, at a minimum, must be submitted in connection with any Person's request for a finding of suitability.

Rule 235-1 – Suitability

- A. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Not Publicly Traded Corporations.
 - 1. Any Person intending to become a Controlling Beneficial Owner by submitting an initial application for any Regulated Marijuana Business that is not a Publicly Traded Corporation must first submit a request to the State Licensing Authority for a finding of suitability.
 - 2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
 - 3. Any Person that has not received a finding of suitability after November 1, 2019 and within the preceding 365 days who intends to become a Controlling Beneficial Owner by submitting a change of owner application for a Regulated Marijuana Business must submit a request to the State Licensing Authority for a finding of suitability contemporaneously with the change of owner application.
- B. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Publicly Traded Corporations.
 - 1. The following Persons must apply to the State Licensing Authority for a finding of suitability:
 - a. Any Person that becomes a Controlling Beneficial Owner of any Regulated Marijuana Business that is a Publicly Traded Corporation; and
 - b. Any Person that indirectly beneficially owns ten percent or more of the Regulated Marijuana Business that is a Publicly Traded Corporation through direct or indirect ownership of its Controlling Beneficial Owner. For example, assuming in the scenario depicted below, Licensee PTC Inc. has one-million shares of outstanding securities and CBO 1 owns 400,000 of those securities. John Doe owns 30% of CBO 1. Therefore, John Doe indirectly owns 12% of the outstanding securities of Licensee PTC Inc., and must apply to the State Licensing Authority for a finding of suitability:



2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
3. Timing of Request for Finding of Suitability Involving Publicly Traded Corporation.
 - a. Unless exempted under Rule 235-1(E), all Persons that will be a Controlling Beneficial Owner in a Regulated Marijuana Business that is entering into a Publicly Traded Corporation transaction described in Rule 245-1(C)(1) must first obtain a finding of suitability before the transaction can close or the public offering can occur.
 - b. A Person who becomes a Controlling Beneficial Owner in a Regulated Marijuana Business that is a Publicly Traded Corporation must submit a request for a finding of suitability to the State Licensing Authority within 45 days of becoming a Controlling Beneficial Owner.
- C. Finding of Suitability for Reasonable Cause. For Reasonable Cause, any other Person that was disclosed or should have been disclosed pursuant to Articles 44-11-307.5(1) or (2) or 44-12-306.5(1) or (2) or that was required to be disclosed based on previous notification of Reasonable Cause must submit a request to the State Licensing Authority for a finding of suitability. Any Person required to submit a request for a finding of suitability pursuant to this Rule must submit such request within 45 days from notice of the State Licensing Authority's determination of Reasonable Cause for the finding of suitability.
- D. Information Required in Connection with a Request for a Finding of Suitability. When determining whether a Person is suitable or unsuitable for licensure, the State Licensing Authority may consider the Person's criminal character or record, licensing character or record, or financial character or record. To consider a Person's criminal character or record, licensing character or record, and financial character or record, all requests for a finding of suitability must, at a minimum, be accompanied by the following information:
 1. Criminal Character or Record:
 - a. A set of the natural person's fingerprints for purposes of a fingerprint-based criminal history record check.
 2. Licensing Character or Record:
 - a. Affirmation that the Person is not prohibited from holding a license under 44-11-307 or 44-12-306, C.R.S.
 - b. A list of all Colorado Department of Revenue-issued business licenses held in the three years prior to submission of the request for a finding of suitability;

- b. A list of all Department of Regulatory Agencies business, professional or occupational licenses held in the three years prior to submission of the request for a finding of suitability;
 - c. A list of any marijuana business or personal license(s) held in any other state or territory of the United States or District of Columbia or another country, where such license is or was at any time subject to a denial, suspension, revocation, surrender, or equivalent action by the licensing agency, commission, board, or similar authority; and
 - d. Disclosure of any civil lawsuits in which the Person was named as a party where pleadings included allegations involving any Regulated Marijuana Business.
3. Financial Character or Record:
- a. Disclosure of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency other than the United States Securities and Exchange Commission;
 - b. If the Person's request for a finding of suitability is for purposes of acquiring ten percent or more of the Owner's Interest in the Regulated Marijuana Business, copies of the Person's financial account statements for the preceding one-hundred eighty days for any accounts serving as a source of funding used to acquire the Owner's Interest in the Regulated Marijuana Business; or, if the Person is contributing one or more asset(s) to the Regulated Marijuana Business in exchange for the Owner's Interests, documents establishing the Person has owned such asset(s) for the preceding one-hundred eighty days.

E. Exemptions from a Finding of Suitability.

- 1. The following Persons are exempt from an otherwise required finding of suitability:
 - a. Any Person that currently possesses an approved license issued by the State Licensing Authority and such license has not, in the preceding 365 days, been subject to suspension or revocation; or
 - b. Any Person that obtained an approved finding of suitability after November 1, 2019, and within the preceding 365 days, and the Person submits an affirmation of the following: Since the prior finding of suitability, there has been no material change to information regarding the Person's criminal character or record, licensing character or record, or financial character or record.
- 2. Exemptions from an otherwise required finding of suitability are limited to those listed in this Rule. The State Licensing Authority will consider other factors that may inform amendments to this rule through the Department's formal rulemaking session.

F. Timing to Approve or Deny a Finding of Suitability. Absent Reasonable Cause, the State Licensing Authority must approve or deny a finding of suitability within 120 days from the date of submission of the request for such finding, where such request was accompanied by all information required under subsection (D) of this Rule.

Basis and Purpose – Rule 240-1

The statutory basis for this rule includes but is not limited to sections 44-11-104(23.5), 44-11-202(5)(a)(III), 44-11-307.5(3), 44-11-307.6(10), 44-12-103(20.5), 44-12-202(6)(a)(III), 44-12-306.5(3), and 44-12-306.6(10), C.R.S. The purpose of this rule is to clarify the factors the State Licensing Authority will consider when determining whether reasonable cause exists to require disclosure, to require a finding of suitability or to extend the 120 day deadline for granting or denying a request for a finding of suitability.

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

- A. Non-Exhaustive Factors Informing Reasonable Cause Consideration. The State Licensing Authority may consider the following non-exhaustive factors when evaluating whether Reasonable Cause exists for disclosure, requiring a reasonable cause finding of suitability or extension of time to provide a finding of suitability:
1. The Person provided materially inaccurate or incomplete documents to the Division;
 2. The Person failed to provide required documents to the Division;
 3. The request for a finding of suitability is sufficiently complex such that a determination cannot be completed within the 120 day deadline specified;
 4. Information that an undisclosed Person is controlling or has the ability to control the Regulated Marijuana Business;
 5. Information indicating one or more Persons prohibited holds an interest in the Regulated Marijuana Business;
 6. Inability to obtain documents or information expected to be available from third-parties or publicly available sources;
 7. The Person interfered with, obstructed, or impeded a Division investigation;
 8. The Person failed to make any filing required by a securities regulator or securities exchange that has regulatory oversight over the Person;

Basis and Purpose – Rule 245-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307, 44-11-307.5, 44-11-307.6, 44-11-309, 44-11-310(4), 44-11-202(6)(a), 44-11-306, 44-11-306.5, 44-11-306.6, 44-12-308, and 44-12-309, C.R.S. The purpose of this rule is define the application process and conditions an Applicant or Licensee must meet when changing Beneficial Ownership in a Regulated Marijuana Business.

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

- A. Application for Change of Controlling Beneficial Owner(s) – Not a Publicly Traded Corporation.
1. Unless excepted pursuant to subparagraph (B) of this Rule, a Regulated Marijuana Business that is not a Publicly Traded Corporation must obtain Division approval before it transfers the Owner's Interests of any Controlling Beneficial Owner(s).

2. All applications for change of Controlling Beneficial Owner(s) must be executed by every Controlling Beneficial Owner whose Owner's Interests are proposed to change and any Person proposed to become a Controlling Beneficial Owner(s). Controlling Beneficial Owners whose Owner's Interest will not change are not required to execute the change of owner application; however, at least one Controlling Beneficial Owner and all Persons proposed to become a Controlling Beneficial Owner must execute every change of owner application.
3. The State Licensing Authority will not approve a change of owner application until:
 - a. Local Approval Required. If local approval is required, the proposed Controlling Beneficial Owner(s) demonstrates to the State Licensing Authority that local approval has been obtained;
 - i. If a local licensing authority or local jurisdiction requires a change of owner application and that application is denied, the State Licensing Authority will deny the State change of owner application;
 - b. No Local Approval Required. If local approval is not required, the proposed Controlling Beneficial Owner(s) demonstrates that such approval is not required and notifies the State Licensing Authority of the date by which the change of owner will be completed, which must be within thirty days of the Division's notice that such change of owner application is ready to be approved.
4. If the change of owner application proposes one or more new Controlling Beneficial Owner(s), the proposed new Controlling Beneficial Owner(s) cannot operate the Regulated Marijuana Business identified in the change of owner application until the application is approved in writing by the Division. Controlling Beneficial Owners that have already been approved in connection with ownership of the Regulated Marijuana Business may continue to operate the Regulated Marijuana Business. A violation of this requirement is grounds for denial of the change of owner application, may be a violation affecting public safety, and may result in disciplinary action against the Applicant's existing license(s).
5. If a Regulated Marijuana Business or any of its Controlling Beneficial Owner(s) apply for a change of owner and is involved in an administrative investigation or administrative action, the following may apply:
 - a. The change of owner application may be delayed or denied until the administrative action is resolved; or
 - b. If the change of owner application is approved by the Division, the transferor, the transferee, or both of them may be responsible for the actions of the Regulated Marijuana Business and its prior Controlling Beneficial Owners, and subject to discipline based upon the same.
6. Documents Required. Any change of owner application regarding a Controlling Beneficial Owner of a Regulated Marijuana Business that does not involve a Publicly Traded Corporation must include the following documents:
 - a. Asset purchase agreement, merger, sales contract, agreement, or any other document necessary to effectuate the change of owner;
 - b. Request for a finding of suitability for each proposed Controlling Beneficial Owner(s);

- c. Operating agreement, by-laws, partnership agreement or other governing document as will apply to the Regulated Marijuana Business if the change of owner application is approved;
 - d. Request for voluntary surrender form for the Owner License of any Controlling Beneficial Owner that will not remain a Controlling Beneficial Owner, or Passive Beneficial Owner electing to hold an Owner License in a Regulated Marijuana Business if the change of owner application is approved;
 - e. Copy of current Medical or Retail Marijuana State Sales Tax or Wholesale license and any other documents necessary to verify tax compliance; and
 - f. Owner License application(s) for any proposed Controlling Beneficial Owner that does not already hold a valid Owner License.
7. Licensee Initiates Change of Owner for Permitted Economic Interests Issued Prior to January 1, 2020. All natural persons holding a Permitted Economic Interest who seek to become a Controlling Beneficial Owner are subject to this Rule. The Regulated Marijuana Business must initiate the change of owner process for a natural person holding a Permitted Economic Interest who seeks to convert its interest and become a Controlling Beneficial Owner in a Regulated Marijuana Business. Prior to submitting a change of owner application, the Permitted Economic Interest holder must obtain a finding of suitability pursuant to Rule 235-1 including any required criminal history record check. Permitted Economic Interest holders who fail to obtain a finding of suitability to become a Controlling Beneficial Owner may remain as a Permitted Economic Interest holder.
8. Medical Marijuana Transporters and Retail Marijuana Transporters Not Eligible for Change of Owner. Medical Marijuana Transporters and Retail Marijuana Transporters are not eligible to transfer the entire Beneficial Ownership of their Regulated Marijuana Business.
- B. Exemptions to the Change of Owner Application Requirement.
1. Entity Conversions. A Regulated Marijuana Business or a Controlling Beneficial Owner may combine with, convert including but not limited to under sections 7-90-201 et seq., C.R.S., or engage in a transaction in which all of its assets are transferred or sold for the exclusive purpose of changing its Entity jurisdiction in one of the states or territories of the United States or the District of Columbia or its Entity type without filing a change of owner application if the Controlling Beneficial Owners and their Owner's Interests will remain the same after the combination, conversion or sale. Within 14 days of the combination, conversion, or sale the Regulated Marijuana Business must submit a written notification to the Division including:
- a. A copy of any transaction documents,
 - b. Documents submitted to the Colorado Secretary of State,
 - c. Any document submitted to the secretary of state or similar regulator if the Entity is organized under the laws of a state of the United States other than Colorado, territory of the United States or the District of Columbia,
 - d. Identification of the Regulated Marijuana Business's or Controlling Beneficial Owner's registered agent,
 - e. Identification of any Passive Beneficial Owner and Indirect Financial Interest Holder for which disclosure is required by Rule 230-1.

2. Reallocation of Owner's Interests Among Controlling Beneficial Owners. A Regulated Marijuana Business may reallocate Owner's Interests among existing Controlling Beneficial Owners holding valid Owner Licenses if it provides notification of the reallocation to the Division with its next renewal application as long as the Controlling Beneficial Owners remain unchanged.
- C. Change of Owner Involving a Publicly Traded Corporation. This Rule applies to transactions involving any Publicly Traded Corporation.
1. Publicly Traded Corporation Transactions. A Regulated Marijuana Business may transact with a Publicly Traded Corporation in the following ways:
 - a. Merger with a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to receive, directly or indirectly, an investment from, or intends to merge or consolidate with a Publicly Traded Corporation, whether by way of merger, combination, exchange, consolidation, reorganization, sale of assets or otherwise, including but not limited to any shell company merger.
 - b. Investment by a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to transfer, directly or indirectly, ten percent or more of the Securities in the Regulated Marijuana Business to a Publicly Traded Corporation, whether by sale or other transfer of outstanding Securities, issuance of new Securities, or otherwise.
 - c. Public Offering. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to become, directly or indirectly, a Publicly Traded Corporation, whether by effecting a primary or secondary offering of its Securities, uplisting of outstanding Securities, or otherwise.
 2. Required Finding(s) of Suitability.
 - a. Pre-Transaction Findings of Suitability Required. Any Person intending to become a Controlling Beneficial Owner in a Regulated Marijuana Business in connection with any transaction identified in subparagraph (C)(1)(a) through (c) above, must obtain a finding of suitability prior to the Publicly Traded Corporation transaction closing or becoming effective.
 - b. Ongoing Suitability Requirements. Any Person who becomes a Controlling Beneficial Owner of a Publicly Traded Corporation that is a Regulated Marijuana Business must apply to the State Licensing Authority for a finding of suitability or an exemption from a finding of a suitability pursuant to Rule 235-1 within forty-five days of becoming a Controlling Beneficial Owner. A Publicly Traded Corporation that is a Regulated Marijuana Business must notify any Person that becomes a Controlling Beneficial Owner of the suitability requirements as soon as the Regulated Marijuana Business becomes aware of the ownership subjecting the Person to this requirement; however, the Controlling Beneficial Owner's obligation to timely request the required finding of suitability is independent of, and unaffected by, the Regulated Marijuana Business's failure to make the notification.
 3. Mandatory Disclosure of Required, United States Securities and Exchange Commission, Canadian Securities Administrators and/or Securities Exchange Filings. A Regulated Marijuana Business and any Controlling Beneficial Owner that is required to file any document with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other similar securities regulator or any securities exchange regarding any change of owner in subparagraphs (C)(1)(a) through (c) above must also provide a notice to the Division at the same time as the filing with the United

States Securities and Exchange Commission, the Canadian Securities Administrators or the securities exchange.

4. Ordinary Broker Transactions. Resales or transfers of Securities of a Publicly Traded Corporation that is a Regulated Marijuana Business or Controlling Beneficial Owner or Passive Beneficial Owner in ordinary broker transactions through an established trading market do not require a change of owner application or prior approval from the State Licensing Authority.
- D. Change of Passive Beneficial Owner. Persons are not required to submit an application or obtain prior approval of their ownership if: (1) the Person will remain a Passive Beneficial Owner after the acquisition of Owner's Interests is complete, and (2) disclosure is not otherwise required by sections 44-11-307.5 or 44-12-306.5, C.R.S, or Rule 230-1.
- E. Controlling Beneficial Owner Dispute.
 1. In the event of a dispute between Controlling Beneficial Owner(s) not involving divestiture under Rule 275-1 and precluding or otherwise impeding the ability to comply with these Rules, a Regulated Marijuana Business that is not a Publicly Traded Corporation must either submit a change of owner application or initiate mediation, arbitration or a judicial proceeding within 90 days of the dispute. The 90 day period may be extended for an additional 90 days upon a showing of good cause by the Regulated Marijuana Business.
 2. A Regulated Marijuana Business that is not a Publicly Traded Corporation must submit a change of owner application within forty-five days of entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. Any change of owner application based on a final court order, final arbitration award, or fully executed settlement agreement must include a copy of the order or settlement agreement and remains subject to approval by the Division. In this circumstance, the change of owner application needs to be executed by at least one remaining Controlling Beneficial Owner.
 3. If mediation, arbitration or a judicial proceeding is not timely initiated or a change of owner application is not timely submitted following entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business that is not a Publicly Traded Corporation, the Regulated Marijuana Business and its Owner Licensee(s) may be subject to fine, suspension or revocation of their license(s).

Basis and Purpose – Rule 250-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.5(6), 44-12-202(6)(a), and 44-11-306.5(6), C.R.S. The purpose of this rule is to require notification to the State Licensing Authority of any filing with a securities regulator by an Applicant or Licensee.

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

- A. A Regulated Marijuana Business that is a Publicly Traded Corporation must provide notice on Division forms within two business days of any non-confidential filing with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other securities regulator, or any security exchange on which the Securities are listed or traded. The notice must identify the title of the document and include a hyperlink to the website where the document is publicly available (example EDGAR or SEDAR link for the Publicly Traded Corporation).

- B. In addition to any other administrative or investigative requests or inquiries, the Division may contact a Regulated Marijuana Business that is a Publicly Traded Corporation to obtain clarification of a securities filing.
- C. This rule is currently limited to require notice of securities filings that are not confidential. However, this rule may be evaluated during subsequent rulemaking proceedings and/or in connection with development of a policy regarding confidential securities filings.

Basis and Purpose – Rule 255-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(I), 44-12-309(6), 44-12-309(12) and 44-12-303, C.R.S. The purpose of this rule is to clarify the application process for changing location of a Licensed Premises.

Rule 255–1 – Change of Location of a Regulated Marijuana Business

- A. Application Required Before Changing Location of Licensed Premises. A Regulated Marijuana Business must apply for and receive Division approval before changing the location of its Licensed Premises.
- B. Application Requirements. A change of location application must include:
 - 1. At least one signature of a Controlling Beneficial Owner and representation that the signing Controlling Beneficial Owner(s) is/are authorized to submit the application on behalf of the Regulated Marijuana Business.
 - 2. Evidence the local licensing authority and/or the local jurisdiction in which the Regulated Marijuana Business proposes to move have approved the proposed new location.
 - 3. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Licensee is, or will be, entitled to possession of the premises for which the application is made.
 - 4. Legible and accurate floor plans for the proposed Licensed that complies with the requirements of the M/R 300 Series of these Rules. The floor plans must include a plan for the proposed Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide the diagram in a portable document format (.pdf).
- C. Change of Location Permit Required.
 - 1. A Regulated Marijuana Business cannot change the location of its Licensed Premises until it receives a change of location permit from the Division.
 - 2. The permit is effective on the date of issuance, and the Licensee must, within 120 days, change the location of its Regulated Marijuana Business to the place specified in the change of location permit and at the same time cease to operate a Regulated Marijuana Business at the former location. For good cause shown, the 120 day deadline may be extended for an additional 120 days.
 - 3. A Regulated Marijuana Business cannot operate or exercise any of the privileges of its license(s) in both locations.
 - 4. If the Regulated Marijuana Business does not change the location of its Licensed Premises within the time period granted by the Division, including any extension, the

Regulated Marijuana Business must submit a new application, pay the change of location fee, and receive a new change of location permit prior to changing the location of its Licensed Premises.

- D. Violation Affecting Public Safety. It is a violation affecting public safety if a Regulated Marijuana Business changes the location of its Licensed Premises without first obtaining a change of location permit from the Division, and any required approval(s) from the local licensing authority and/or local jurisdiction.

Basis and Purpose – Rule 260-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(VII), 44-11-202(2)(a)(X), 44-11-202(2)(a)(XVII), 44-11-307(2), 44-11-306, 44-11-310(6), 44-11-401, 24-76.5-101 *et seq.*, 44-11-601(1), 44-12-202(2)(b), 44-12-202(3)(a), 44-12-202(3)(c)(IV)-(V), 44-12-305, 44-12-306(2), 44-12-305, 44-12-309(6), 44-12-401, 44-12-601(1), C.R.S. Historically, natural persons who held an Owner's Interest in a Regulated Marijuana Business were required to hold an Associated Key License. This Rule transitions the Associated Key designation to an Owner License designation after August 1, 2019. The purpose of this rule is to clarify the requirements and procedures a Person must follow when applying for or possessing either an Owner License or an Employee License. This rule also identifies factors the State Licensing Authority will consider in determining whether a natural person is a resident and whether such person possess good moral character.

Rule 260–1 –Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Associated Key Licenses remain valid until the first renewal following August 1, 2019, after which such licenses will be renewed as an Owner License.

A. Owner Licenses Required.

1. Each Controlling Beneficial Owner must hold a valid Owner License.
2. If a Controlling Beneficial Owner is an Entity, then its Executive Officer(s) and any Person who indirectly holds ten percent or more of the Owner's Interests in the Regulated Marijuana Business must also hold a valid Owner License.
3. A Passive Beneficial Owner who is a natural person may elect to hold an Owner License and obtain an Owner Identification Badge provided that such Person agrees to be disclosed as holding an Owner's Interest in the Regulated Marijuana Business.

B. Owner License and Identification Badge or Employee License and Identification Badge Required. The following natural persons must possess a valid Owner License and Identification Badge or an Employee License and Identification Badge:

1. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products as permitted by privileges of a Regulated Marijuana Business license;
2. Any person who has access to the Inventory Tracking System or a Regulated Marijuana Business point of sale system; and
3. Any person with unescorted access in the Restricted Access Area or Limited Access Area.

C. Visitor Escort Required. Any natural person in a Restricted Access Area or Limited Access Area that does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge is a visitor and must be escorted at all times by a person who holds a valid

Owner License and Identification Badge or Employee License and Identification Badge. Failure by a Regulated Marijuana Business to continuously escort a person who does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge in the Limited Access Area is a license violation affecting public safety. Customers in a Restricted Access Area and third-party vendors in a Limited Access Area do not need to be escorted at all times, but must be reasonably monitored.

- D. Employee License Required to Commence or Continue Employment. Any person required to obtain an Employee License by these rules must obtain such a license before commencing activities permitted by his or her Employee License.
- E. Owner and Employee License Identification Badges Are Property of State Licensing Authority. All Owner and Employee License Identification Badges are property of the State Licensing Authority.
- F. Owner and Employee Initial and Renewal Applications Required. Owner and Employee Licensees must submit initial and renewal applications on Division forms and in accordance with this Rule and Rules 215-1, 220-1 and 225-1.
- G. Owner License Qualifications and Privileges.
 - 1. Owner License Qualifications. Each Controlling Beneficial Owner, or Passive Beneficial Owner who elects to be subject to disclosure and licensure, must meet the following criteria before receiving an Owner License:
 - a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application;
 - c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Each Controlling Beneficial Owner required to hold an Owner License, and any Passive Beneficial Owner that elects to hold an Owner License, must be fingerprinted at least once every two years, and may be fingerprinted more often at the Division's discretion.
 - e. An Owner Licensee who exercises day-to-day operational control over the Licensed Premise of a Regulated Marijuana Business must possess an Identification Badge and must establish and maintain Colorado residency.
 - 2. Owner License Exercising Privileges of an Employee License. A person who is a Colorado resident and who holds an Owner License and Owner Identification Badge may exercise the privileges of an Employee License in any Regulated Marijuana Business.
- H. Employee Licensee Qualifications, and Privileges.
 - 1. Employee License Qualifications Requirements. An Employee License Applicant must meet the following criteria before receiving an Employee License:

- a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.
 - c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to section 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Employee Licensees working in a Regulated Marijuana Business must be Colorado Residents at the time of initial application and must maintain residency during the period of licensure, unless they are applying for a workforce training or development residency exempt license.
2. Medical and Retail Employee Licenses. A person who holds a current, valid Employee License and Identification Badge issued pursuant to the Medical Code or the Retail Code may work in a Regulated Marijuana Business.
3. Workforce Training or Development Residency Exempt License. An Applicant who wishes to obtain a workforce development or training exemption to the license residency requirement may apply for an Employee License and must:
- a. Submit a complete application on the Division's approved forms;
 - b. Establish she or he meets the licensing criteria of this Rule 260-1(H)(1)(a)-(c)
 - c. Provide evidence of proof of lawful presence; and
 - d. Provide a complete Workforce Training or Development Affirmation form executed under penalty of perjury.
- I. Owner and Employee Licensees Required to Maintain Licensing Qualification. An Owner Licensee or Employee Licensee's failure to maintain qualifications for licensure may constitute grounds for discipline, including but not limited to suspension, revocation, or fine.
- J. Factors Considered when Determining Residency and Citizenship. This Rule applies to persons who are required to have and maintain Colorado residency. In determining whether a person is a Colorado resident, the State Licensing Authority will consider the following factors:
1. Primary Home Defined. The location of an Applicant's principal or primary home or place of abode ("primary home") may establish Colorado residency. An Applicant's primary home is that home or place in which a person's habitation is fixed and to which the person, whenever absent, has the present intention of returning after a departure or absence therefrom, regardless of the duration of such absence. A primary home is a permanent building or part of a building and may include, by way of example, a house, condominium, apartment, room in a house, or manufactured housing. No rental property, vacant lot, vacant house or cabin, or other premises used solely for business purposes will be considered a primary home.

2. Reliable Indicators That an Applicant's Primary Home is in Colorado. The State Licensing Authority considers the following types of evidence to be generally reliable indicators that a person's primary home is in Colorado.
 - a. Evidence of business pursuits, place of employment, income sources, residence for income or other tax purposes, residence of spouse and any minor children, leaseholds, situs of personal and real property, existence of any other residences outside Colorado and the amount of time spent at each such residence, and any motor vehicle or vessel registration;
 - b. Duly authenticated copies of the following documents may be taken into account: A current driver's license with address, recent property tax receipts, copies of recent income tax returns where a Colorado mailing address is listed as the primary address, current voter registration cards, current motor vehicle or vessel registrations, and other public records evidencing place of abode or employment; and
 - c. Other types of reliable evidence.
3. Totality of the Evidence. The State Licensing Authority will review the totality of the evidence, and any single piece of evidence regarding the location of a person's primary home is not necessarily determinative.
4. Other Considerations for Residency. The State Licensing Authority may consider the following circumstances:
 - a. Members of the armed services of the United States or any nation allied with the United States who are on active duty in this state under permanent orders and their spouses;
 - b. Personnel in the diplomatic service of any nation recognized by the United States who are assigned to duty in Colorado and their spouses; and
 - c. Full-time students who are enrolled in any accredited trade school, college, or university in Colorado. The temporary absence of such student from Colorado, while the student is still enrolled at any such trade school, college, or university, will not be deemed to terminate their Colorado residency. A student will be deemed "full-time" if considered full-time pursuant to the rules or policy of the educational institution he or she is attending.
5. Entering Armed Forces Does Not Terminate Residency. A person who is a Colorado resident pursuant to this rule does not terminate Colorado residency upon entering the armed services of the United States. A member of the armed services on active duty who resided in Colorado at the time the person entered military service and the person's spouse are presumed to retain their status as residents of Colorado throughout the member's active duty in the service, regardless of where stationed or for how long.

K. Evaluating a Natural Person's Good Moral Character Based on Criminal History

1. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division will not consider the following:
 - a. The mere fact a person's criminal history contains an arrest(s) or charge(s) of a criminal offense that is not actively pending;

- b. A conviction of a criminal offense in which the Application/Licensee received a pardon;
 - c. A conviction of a criminal offense which resulted in the sealing or expungement of the record; or
 - d. A conviction of a criminal offense in which a court issued an order of collateral relief specific to the application for state licensure.
- 2. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division may consider the following history:
 - a. Any felony conviction(s);
 - b. Any conviction(s) of crimes involving moral turpitude;
 - c. Pertinent circumstances connected with the conviction(s); and
 - d. Conduct underlying arrest(s) or charge(s) or a criminal offense for which the criminal case is not actively pending.
- 3. When considering criminal history in subparagraph (K)(2) above, the Division will consider:
 - a. Whether there is a direct relationship between the conviction(s) and the duties and responsibilities of holding a state license issued pursuant to the Medical Code or the Retail Code;
 - b. Any information provided to the Division regarding the person's rehabilitation, which may include but is not limited to the following non-exhaustive considerations:
 - i. Character references;
 - ii. Educational, vocational, and community achievements, especially those achievements occurring during the time between the person's most recent criminal conviction and the application for a state license;
 - iii. Successful participation in an alcohol or drug treatment program;
 - iv. That the person truthfully and fully reported the criminal conduct to the Division;
 - v. The person's employment history after conviction or release, including but not limited to whether the person was vetted and approved to hold a state or out-of-state license for the purposes of employment in a regulated industry;
 - vi. The person's successful compliance with any conditions of parole or probation imposed after conviction or release; or
 - vii. Any other facts or circumstances tending to show the Applicant has been rehabilitated and is ready to accept the responsibilities of a law-abiding and productive member of society.

Basis and Purpose – Rule 265-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(3)(a)(XVI), 44-12-202(3)(a)(XVII), 44-12-304, 24-4-104, and 24-4-105, C.R.S. The purpose of this rule is to clarify the procedures and factors governing the denial process and voluntary withdrawal process for all licenses issued by the State Licensing Authority.

Rule 265–1 – Application Denial/Voluntary Withdrawal

- A. Applicant Bears Burden of Proving It Meets Licensure Requirements. A license, registration, or permit issued to a Person or a Regulated Marijuana Business is a revocable privilege. At all times during the application process, an Applicant must be capable of establishing it is qualified to hold a license.
- B. Applicants must provide information to the Division in a full, faithful, truthful, and fair manner. An application may be denied where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application or in connection with the Applicant's suitability investigation. Providing misstatements, misrepresentations, omissions or untruths to the Division may be the basis for administrative action, or the basis of criminal charges against the Applicant.
- C. Grounds for Denial
 - 1. The State Licensing Authority will deny an application for Good Cause.
 - 2. The State Licensing Authority will deny an application from an Applicant that is statutorily disqualified from holding a license.
 - 3. The State Licensing Authority will deny an application where the Applicant failed to provide all required information or documents, failed to obtain all required findings of suitability prior to submitting the application, provided inaccurate, incomplete, or untruthful information or documents, or failed to cooperate with the Division.
- D. Voluntary Withdrawal of Application
 - 1. The Division and Applicant may mutually agree to allow the voluntary withdrawal of an application in lieu of a denial proceeding.
 - 2. Applicants must first submit a form to the Division requesting the voluntary withdrawal of the application. Applicants will submit the form with the understanding that they were not obligated to request the voluntary withdrawal and that any right to a hearing in the matter is waived once the voluntary withdrawal is approved.
 - 3. The Division will consider the request along with any circumstances at issue with the application in making a decision to accept the voluntary withdrawal. The Division may at its discretion grant the request with or without prejudice or deny the request.
 - 4. The Division will notify the Applicant of its acceptance of the voluntary withdrawal and the terms thereof.
 - 5. If the Applicant agrees to a voluntary withdrawal granted with prejudice, then the Applicant is not eligible to apply again for licensing or approval until after expiration of one year from the date of such voluntary withdrawal.

- E. A Denied Applicant May Appeal a Denial. A Denied Applicant may appeal a denial pursuant to the Administrative Procedure Act.

Basis and Purpose – Rule 270-1

The statutory basis for this rule includes but is not limited to sections 44-11-202, 44-11-401(1.5), 44-12-202, and 44-12-401(1.5), C.R.S. The purpose of this rule is to establish procedures and requirements for any Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person acting in accordance with section 44-11-401(1.5), and 44-12-401(1.5), C.R.S., and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

Rule 270–1 – Temporary Appointee Registrations for Court Appointees

A. Notice and Application Requirements for All Court Appointees:

1. Notice to the State and Local Licensing Authorities. Within seven days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), C.R.S., such Court Appointee must file a notice to the State Licensing Authority and the applicable local licensing authority on a form required by the State Licensing Authority which must include at least:
 - a. A copy of the order appointing the Court Appointee;
 - b. A statement affirming the Court Appointee complied with the certification required by sections 44-11-401(1.5)(a), and/or 44-12-401(1.5)(a), C.R.S.;
 - c. If the Court Appointee is an entity, a list of all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business; and
 - d. A complete list of all Regulated Marijuana Businesses for which the Court Appointee was appointed and the respective dates during which the Court Appointee is currently serving, or has previously served, as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person.
2. Application for Finding of Suitability. Within 14 days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), and/or 44-12-401(1.5), C.R.S., each Court Appointee must file an application for a finding of suitability with the State Licensing Authority on forms required by the State Licensing Authority. Each entity and natural person for whom a notice was filed pursuant to Rule 270-1(A) must file an application for a finding of suitability. The Division may in its discretion extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.
3. Effective date. The Temporary Appointee Registration will issue following the State Licensing Authority's receipt of the notice required by Rule 270-1(A)(1), and is effective as of the date of the court appointment.

B. Temporary Appointee Registration.

1. Entities. If the Court Appointee is an entity, the entity and all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business must receive a Temporary Appointee Registration. Every Court Appointee that

is an entity must have at least one natural person with a Temporary Appointee Registration.

2. Temporary Appointee Registrations. Every Temporary Appointee Registration issued to a Person will be treated as an Owner License except where inconsistent with sections 44-11-401(1.5), C.R.S., and/or 44-12-401(1.5), or this Rule.
3. Other employees. Any other person working under the direction of a Court Appointee who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, researches, or delivers Regulated Marijuana as permitted by privileges granted under a Regulated Marijuana Business license must have a valid Employee License.
4. Licensed Premises. A Court Appointee cannot establish an independent Licensed Premises, but is authorized to exercise the privileges of the Temporary Appointee Registration in the Licensed Premises of the Regulated Marijuana Business for which it is appointed.
5. Medical Marijuana Business Operators or Retail Marijuana Business Operators. A Court Appointee may retain a Medical Marijuana Business Operator or a Retail Marijuana Business Operator. If the Medical Marijuana Business Operator or Retail Marijuana Business Operator is the Court Appointee, see subparagraph E of this Rule.
6. Medical Code, Retail Code and Rules Applicable. Court Appointees are subject to the requirements of the Medical Code, the Retail Code and the rules promulgated thereto. Except where inconsistent with sections 44-11-401(1.5), or 44-12-401(1.5), C.R.S., or this Rule, the State Licensing Authority may take any action with respect to a Temporary Appointee Registration that it could take with respect to any license issued under the Medical Code and/or the Retail Code. In any action involving a Temporary Appointee Registration, these rules will be read to include the terms “registered”, “registration”, “registrant”, or any other similar terms in lieu of “licensed”, “licensee”, and any other similar terms as the context requires when applied to a Temporary Appointee Registration.

C. Administrative Actions.

1. Suspension, revocation, fine, or other administrative action regarding a Regulated Marijuana Business. In addition to any other basis for suspension, revocation, fine or other administrative action, a Regulated Marijuana Business's license may, pursuant to subsections 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon its Court Appointee's violations of the Medical Code, the Retail Code, the rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect.
2. Suspension, revocation, fine, or other administrative action regarding a Temporary Appointee Registration. In addition to any other basis for suspension, revocation, fine, or other administrative action, a Temporary Appointee Registration may, pursuant to section 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon the Court Appointee's violations of the Medical Code, the Retail Code, the Rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State

Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect. If a Person holding a Temporary Appointee Registration also holds any other Owner License or Employee License, the Owner License, the Employee License, and the Temporary Appointee Registration may be suspended, revoked or subject to other administrative action for any violations of the Medical Code, the Retail Code, the rules promulgated pursuant to the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration, Owner License and/or Employee License issued by the State Licensing Authority, or any order of the State Licensing Authority.

3. Suitability. If the State Licensing Authority denies an application for a finding of suitability because the Court Appointee failed to timely apply for a finding of suitability, failed to timely provide all information requested by the Division in connection with an application for a finding of suitability, or was found unsuitable, the State Licensing Authority may also pursue administrative action as set forth in this Rule.
4. Court Appointee's Responsibility to Notify Appointing Court. The Court Appointee must notify the appointing court of any action taken against the Temporary Appointee Registration by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601, or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Court Appointee must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

D. Expiration and Renewal.

1. Conclusion of Court Appointment. A Court Appointee's Temporary Appointee Registration expires upon the conclusion of a Court Appointee's court appointment. Each Court Appointee and each Regulated Marijuana Business that has a Court Appointee must notify the State Licensing Authority within two business days of the date on which a Court Appointee's court appointment ends, whether due to termination of the appointment by the court, substitution of another Court Appointee, closure of the court case, or otherwise. For a Court Appointee that is appointed in connection with multiple court cases, the notice must be filed with the State Licensing Authority with respect to each such case.
2. Annual Renewal. If it has not yet expired pursuant to Rule 270-1(D)(1), each Temporary Appointee Registration is valid for one year, after which it must be subject to annual renewal in accordance with the Medical Code, the Retail Code, and the rules promulgated pursuant to the Medical Code and/or the Retail Code. If a Court Appointee is appointed in connection with multiple court cases, the Temporary Appointee Registration is subject to annual renewal unless all such appointments have ended, whether due to termination of the appointments by the courts, substitution of other Court Appointees, closure of the court cases, or otherwise.
3. Other Termination. A Temporary Appointee Registration may be valid for less than the applicable term if surrendered, revoked, suspended, or subject to similar action.

E. Medical Marijuana Business Operators and/or Retail Marijuana Business Operators as Court Appointees. By virtue of its privileges of licensure, a Medical Marijuana Business Operator, a Retail Marijuana Business Operator, and their respective Owner Licensees may serve as Court Appointees without a Temporary Appointee Registration subject to the following terms:

1. Notice to the State Licensing Authority of Appointment. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) are responsible for notifying the State Licensing Authority within seven days of any court appointment to serve as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person and take possession of, operate, manage, or control a Regulated Marijuana Business. Such notice must be accompanied by a copy of the order making the appointment, and must identify each Regulated Marijuana Business regarding which the Medical Marijuana Business Operator and/or Retail Marijuana Business Operator is appointed.
2. Notice to the Appointing Court of State Licensing Authority Action. The Medical Marijuana Business Operator, the Retail Marijuana Business and its Owner Licensee(s) are responsible for notifying the appointing court of any action taken against the Medical Marijuana Business Operator license, the Retail Marijuana Business Operator license and/or the Owner License by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

Basis and Purpose – Rule 275-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a)(IV), 44-11-307.6(5), 44-11-307.5(11), 44-11-310(8)(a), 44-11-601, 44-12-202(6)(a)(IV), 44-11-306.6(5), 44-11-306.6(11), 44-12-309(7)(a), and 44-12-601 C.R.S. The purpose of this rule is to clarify the conditions and procedures for divestiture of any Person prohibited from holding a license under sections 44-11-306 and 44-12-305, C.R.S., or who is found unsuitable by the State Licensing Authority. This rule also requires that every Regulated Marijuana Business have at least one Controlling Beneficial Owner and provides what happens in the event of suspension of a Regulated Marijuana Business's Controlling Beneficial Owner(s). Finally, this rule provides that Licensees cannot have unlicensed persons take actions on their behalf or for their benefit that the Licensees themselves are prohibited from taking under these rules, the Medical Code or the Retail Code.

Rule 275–1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

A. Controlling Beneficial Owners that are Persons Prohibited, Unsuitable or Revoked.

1. Less than 100% of all Controlling Beneficial Owners – Divestiture. If less than 100% of a Regulated Marijuana Business's Controlling Beneficial Owners are or become a Person prohibited by these Rules, the Medical Code or the Retail Code, have his or her Owner License revoked by a Final Agency Order, or are found unsuitable, the Regulated Marijuana Business must divest all of the Beneficial Ownership of that Controlling Beneficial Owner.
 - a. Unless extended for good cause, within 90 days of a Controlling Beneficial Owner becoming a Person prohibited, having his or her Owner License revoked, or being found unsuitable, the Regulated Marijuana Business must either:
 - i. Submit a change of owner application, where required, and any document(s) necessary to transfer all of that Controlling Beneficial Owner's Owner's Interests to one or more Persons that are not

prohibited or unsuitable. Any required change of owner application is subject to approval by the Division; or

- ii. Where a change of owner application is not required, transfer all of that Controlling Beneficial Owner's(s) Owner's Interests to one or more Persons that are not a Person prohibited or unsuitable.
 - b. In determining whether good cause for an extension exists, the Division will consider whether there is any Owner Interest buy-back provision with the Controlling Beneficial Owner. If mediation, arbitration or a legal proceeding has been initiated regarding the required divestiture, the 90 day deadline is extended until 90 days following execution of a settlement agreement, arbitration order or final judgment concluding the mediation, arbitration or legal proceeding.
 - c. A Regulated Marijuana Business that is a Publicly Traded Corporation must have a divestiture plan with its Controlling Beneficial Owners which must be disclosed to the Division pursuant to Rule 220-1(A).
 - d. A Regulated Marijuana Business that fails to divest a Controlling Beneficial Owner as required by this Rule may be subject to denial, fine, suspension or revocation of its license(s). The State Licensing Authority may consider aggravating and mitigating factors surrounding measures taken to divest the unsuitable or prohibited person when determining the imposition of a penalty. However, a Regulated Marijuana Business that is unable to divest a Controlling Beneficial Owner that is a person prohibited or found unsuitable is prohibited from being issued or holding a license.
2. All Controlling Beneficial Owners are Unsuitable, Revoked or Persons Prohibited. A Regulated Marijuana Business's License may be revoked if 100% of its Controlling Beneficial Owners are found unsuitable, have his or her Owner's License revoked or are Persons prohibited by these Rules, the Medical Code or the Retail Code.
- B. Suspension of Controlling Beneficial Owners.
1. Suspension of Less than 100% of the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. In the event of the suspension of the Owner License of a Controlling Beneficial Owner, either (i) the Regulated Marijuana Business must comply with all requirements of Rule M/R 1302 – Disciplinary Process: Summary Suspensions, or (ii) the non-suspended Owner Licensee(s) must control the Regulated Marijuana Business without participation from the suspended Controlling Beneficial Owner(s).
 2. Suspension of 100% of the Controlling Beneficial Owners of a Regulated Marijuana Business. A Regulated Marijuana Business cannot operate or Transfer Regulated Marijuana if all Controlling Beneficial Owners are suspended.
- C. At Least One Controlling Beneficial Owner Holding a Valid Owner License Required. No Regulated Marijuana Business may operate or be licensed unless it has at least one Controlling Beneficial Owner who holds a valid Owner License.
- D. Loss Of Owner License As A Controlling Beneficial Owner Of Multiple Businesses. If an Owner License is suspended, revoked, or found unsuitable as to one Regulated Marijuana Business, that Owner License is automatically suspended, revoked, or found unsuitable as to any other Regulated Marijuana Business in which that Person is a Controlling Beneficial Owner.
- E. Prohibited Third-Party Acts. No Licensee may employ, contract with, hire, or otherwise retain any Person, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit if the Licensee is prohibited by law or these rules from engaging in such conduct itself.

1. A Licensee may be held responsible for all actions and omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.
2. A Licensee may be subject to license denial or administrative action, including but not limited to fine, suspension, or revocation of its license(s), based on the act and/or omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.



**Colorado Department of Revenue
Marijuana Enforcement Division
Emergency Rule Adoption**

Revised and Repealed Medical Marijuana Rules, 1 CCR 212-1

M 100 Series – General Applicability

Rule M 103 – Definitions (**Revised**)

M 200 Series Rules – Licensing and Interests (Entire Series Repealed)

New Medical Marijuana Rules, 1 CCR 212-1

Rule 200-1 Series – Applications and Licenses (New Rule Series)

Rule 201-1 – Applicability

Rule 205-1 – Fees

Rule 210-1 – Duties of All Applicants and Licensees

Rule 215-1 – All Application Requirements

Rule 220-1 – Initial Application Requirements for Regulated Marijuana Businesses

Rule 225-1 – Renewal Application Requirements for All Licensees

Rule 230-1 – Disclosure of Financial Interests in a Regulated Marijuana Business

Rule 235-1 – Suitability

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

Rule 255-1 – Change of Location of a Regulated Marijuana Business

Rule 260-1 – Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Rule 265-1 – Application Denial/Voluntary Withdrawal

Rule 270-1 – Temporary Appointee Registrations for Court Appointees

Rule 275-1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

Revised and Repealed Retail Marijuana Rules, 1 CCR 212-2

R 100 Series – General Applicability

Rule R 103 – Definitions (**Revised**)

R 200 Series Rules – Licensing and Interests (Entire Series Repealed)

New Retail Marijuana Rules, 1 CCR 212-2

Rule 200-1 Series – Applications and Licenses (New Rule Series)

Rule 201-1 – Applicability

Rule 205-1 – Fees

Rule 210-1 – Duties of All Applicants and Licensees

Rule 215-1 – All Application Requirements

Rule 220-1 – Initial Application Requirements for Regulated Marijuana Businesses

Rule 225-1 – Renewal Application Requirements for All Licensees

Rule 230-1 – Disclosure of Financial Interests in a Regulated Marijuana Business

Rule 235-1 – Suitability

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

Rule 255-1 – Change of Location of a Regulated Marijuana Business

Rule 260-1 – Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Rule 265-1 – Application Denial/Voluntary Withdrawal

Rule 270-1 – Temporary Appointee Registrations for Court Appointees

Rule 275-1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

Statement of Emergency Justification and Adoption

Pursuant to sections 24-4-103, 44-11-202, and 44-12-202, C.R.S., I, Lu Córdova, Executive Director of the Department of Revenue and State Licensing Authority, hereby adopt the aforementioned Medical Marijuana and Retail Marijuana Rules, which are attached hereto.

Section 24-4-103(6), C.R.S., authorizes the State Licensing Authority to issue an emergency rule if the State Licensing Authority finds that the immediate adoption of the rule is imperatively necessary to comply with a state law or for the preservation of public health, safety, or welfare and compliance with the requirements of section 24-4-103, C.R.S., would be contrary to the public interest.

I find: (1) the immediate adoption of these rules is necessary to comply with the statutory mandates of the Medical Marijuana Code, sections 44-11-101 to -1102, C.R.S., and Retail Marijuana Code, sections 44-12-101 to -1101, C.R.S.; (2) the immediate adoption of these revised rules is necessary to preserve the public health, safety, and welfare; and (3) compliance with the notice and public hearing requirements of section 24-4-103, C.R.S., would be contrary to the public interest.

Statutory Authority

The statutory authority for the attached repealed, revised and new Medical Marijuana Rules is identified in the statement of basis and purpose preceding each rule.

The statutory authority for the attached repealed, revised and new Retail Marijuana Rules is identified in the statement of basis and purpose preceding each rule.

Purpose

The purpose of the revisions to these rules on an emergency basis is as follows:

The State Licensing Authority adopted Emergency Medical Rules M 103, and 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1 and Retail Rules R 103, and 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1, on August 1, 2019 (“August Emergency Rules”). The purpose of the August Emergency Rules is to implement HB19-1090, Concerning Measures to Allow Greater Investment Flexibility in Marijuana Businesses. There is insufficient time to undergo a permanent rulemaking process for the implementation of House Bill 19-1090, as the act became effective immediately upon the Governor’s signature pursuant to a safety clause. However, significant stakeholder input was received during two stakeholder work groups completed prior to adoption of the August Emergency Rules.

The State Licensing Authority anticipates filing a permanent rulemaking notice for all of the aforementioned rules, as well as other rules on or before August 30, 2019, with an expected effective date of January 1, 2020. The permanent rulemaking process will include the opportunity for additional stakeholder and public participation. The re-adoption of the August Emergency Medical Rules will be necessary prior to permanent rules because the August Emergency rules expire on November 29, 2019, prior to the conclusion of permanent rulemaking proceedings.

House Bill 19-1090

On May 29, 2019 Governor Jared Polis signed into law HB 19-1090. HB 19-1090 permits certain publicly traded company ownership in marijuana businesses (prior law expressly prohibited such ownership). The act limits publicly traded company ownership to those organized under and with a principle place of business in the U.S. or a country that authorizes the sale of marijuana and that satisfies one of the following:

1. Have registered securities that constitute “Covered Securities” or are listed on the OTCQX or OTCQB Tier and in compliance with SEC filing and certain corporate governance obligations; or
2. Is a “foreign private issuer” listed on CSE, TSE or TSXVE (Canadian exchanges), and for the preceding 365 days demonstrated compliance with all governance and reporting obligations imposed by the relevant exchange.

The act prohibits certain “ineligible issuers”. In addition to the publicly traded company provisions, HB19-1090 permits the use of certain private investment vehicles including private equity and venture capital funds. The bill also creates new ownership and investment categories, Controlling Beneficial Owner, Passive Beneficial Owner, Indirect Financial Interest Holder, Qualified Institutional Investor, and Qualified Private Fund.

The act limits the scope of disclosure and suitability requirements for marijuana business owners and investors. It requires disclosure and suitability findings for persons owning 10% or more of the securities or owner’s interest in a marijuana business or otherwise in control of the business, and provides exemptions to disclosure and suitability findings for those owning less than 10% of the securities or owner’s interest and not in control of the marijuana business. The act also requires disclosure of persons with more than one indirect financial interest in the same marijuana business, persons contributing over 50% of the marijuana business’s operating capital, and persons with less than a controlling ownership interest in a marijuana business upon a showing of “reasonable cause”.

HB19-1090 provides rulemaking authority for ownership and financial procedures/requirements; records required to be maintained regarding owners and indirect financial interest holders; procedures/requirements for findings of suitability; procedures/requirements for divestiture of a person found unsuitable; procedures, processes and requirements for transfers of ownership involving a publicly traded corporation (e.g. investments, mergers and public offerings); designation of persons who are a controlling beneficial owner by virtue of common control; modification of the percentage of owner’s interests held by controlling or passive beneficial owners; designation of persons that qualify for an exemption from a finding of suitability; and designation of indirect financial interest holders and qualified institutional investors. HB19-1090 includes a safety clause and applies to applications made on or after November 1, 2019.

Effective Date of Emergency Rules and Permanent Rulemaking

The attached emergency rules are effectively immediately upon adoption.

1. The M 200 Series Rules, 1 CCR 212-1 and the R 200 Series Rules, 1 CCR 212-2, are hereby repealed.
2. The prior versions of Medical Rule M 103, 1 CCR 212-1 and Retail Rule M 103, 1 CCR 212-2 are hereby amended.
3. Medical Rules 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1, 1 CCR 212-1 and Retail Rules 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1, 1 CCR 212-2 are hereby adopted.

Continues on Next Page

The attached emergency rules remain in effect until their expiration date, 120 from the date of adoption, or until replaced rules promulgated pursuant to the emergency or permanent rulemaking process.



Lu Córdova

Executive Director

Colorado Department of Revenue

State Licensing Authority

August 1, 2019
Date



COLORADO
Department of Revenue

**Emergency Rule Adoption
Medical Marijuana Rules (Revised, Repealed and New)
1 CCR 212-1**

Implementation of HB19-1090
("Measures to Allow for Greater Investment Flexibility")

- Rule M 103 – Definitions (Revised)
- Rule M 200 Series – Licensing and Interests (Entire Rule Series Repealed)
- Rule 200-1 Series – Applications and Licenses (New Rule Series)

August 1, 2019

Questions:

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COLORADO DEPARTMENT OF REVENUE

Marijuana Enforcement Division

1 CCR 212-1

MEDICAL MARIJUANA RULES

Basis and Purpose – 103

~~The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(1)(b), 44-11-202(2)(a), 44-11-202(2)(a)(XXIV), C.R.S., and all of the Medical Code. The purpose of this rule is to provide necessary definitions of terms used throughout the rules. Defined terms are capitalized where they appear in the rules, to let the reader know to refer back to these definitions. When a term is used in a conventional sense, and not intended to be a defined term, it is not capitalized.~~ The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(10)(b), 44-11-202(2)(a), 44-11-202(2)(a)(XXIV), 44-12-103, 44-12-202(2)(b), and 44-12-202(3)(c)(VIII), C.R.S., and all of the Medical Code and Retail Code. The purpose of this rule is to provide necessary definitions of terms used throughout the rules. Defined terms are capitalized where they appear in the rules, to let the reader know to refer back to these definitions. When a term is used in a conventional sense, and not intended to be a defined term, it is not capitalized.

103 – Definitions

Definitions. The following definitions of terms, in addition to those set forth in section 44-11-104, C.R.S., ~~shall~~ apply to all rules promulgated pursuant to the Medical Code, unless the context requires otherwise:

“Acquire,” when used in connection with the acquisition of an Owner’s Interest of a Regulated Marijuana Business, means obtaining ownership, Control, power to vote, or sole power of disposition of the Owner’s Interest, directly or indirectly through one or more transactions or subsidiaries, through purchase, assignment, transfer, exchange, succession or other means.

“Acting in Concert” means knowing participation in a joint activity or interdependent conscious parallel action toward a common goal, whether or not pursuant to an express agreement.

“Advertising” means the act of providing consideration for the publication, dissemination, solicitation, or circulation, of visual, oral, or written communication, to induce directly or indirectly any Person to patronize a particular Medical-Regulated Marijuana Business, or to purchase particular Medical-Regulated Marijuana or a Medical-Regulated Marijuana-Infused Product. “Advertising” includes marketing, but does not include packaging and labeling. “Advertising” proposes a commercial transaction or otherwise constitutes commercial speech.

“Affiliate” of, or Person affiliated with, a specified Person, means a Person that directly or indirectly through one or more intermediaries, Controls or is Controlled by, or is under common Control with, the Person specified.

~~“Affiliated Interest” means any Business Interest related to a Medical Marijuana Business that does not rise to the level of a Financial Interest in a Medical Marijuana Business license. An Affiliated Interest may include, but shall not be limited to, an Indirect Beneficial Interest Owner that is not a Financial Interest, an indirect financial interest, a lease agreement, secured or unsecured loan, or security interest in fixtures or equipment with a direct nexus to the cultivation, manufacture, Transfer, transportation, or testing of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product. A Person who provides funding for a Research Project conducted by a Licensed Research Business is an Affiliated Interest for the Licensed Research Business, unless that Person is a Direct Beneficial Interest Owner or an~~

~~Indirect Beneficial Interest Owner. Except as otherwise provided by these rules, an Affiliated Interest holder shall neither exercise control of nor be positioned so as to enable the exercise of control over the Medical Marijuana Business or its operations. A Medical Marijuana Business shall report each of its Affiliated Interests to the Division with each application for initial licensure, renewal, change of ownership or change of corporate structure.~~

~~“Agreement” means any unsecured convertible debt option, option agreement, warrant, or at the Division’s discretion, other document that establishes a right for a person to obtain a Permitted Economic Interest that might convert to an ownership interest in a Retail Marijuana Establishment or Medical Marijuana Business.~~

“Alarm Installation Company” means a Person engaged in the business of selling, providing, maintaining, servicing, repairing, altering, replacing, moving or installing a Security Alarm System in a Licensed Premises.

“Alternative Use Designation” means a designation approved by the State Licensing Authority, permitting a Medical Marijuana-Infused Products Manufacturer to manufacture and Transfer Alternative Use Product.

“Alternative Use Product” means Regulated Medical Marijuana Concentrate or Regulated Medical Marijuana-Infused Product that has at least one intended use that is not included in the list of intended uses in Rule M 1003-1(B) and Rule R 1003-1(B). Alternative Use Product may raise public health concerns that outweigh approval of the Alternative Use Product, or that require additional safeguards and oversight. Alternative Use Product ~~shall can~~ not be Transferred except as permitted by Rule M 607 or Rule R 607 after obtaining an Alternative Use Designation. Rule M 607 permits a Medical Marijuana-Infused Products Manufacturer to Transfer Alternative Use Product to a Medical Marijuana Testing Facility prior ~~to receiving~~ to receiving an Alternative Use Designation. Rule R 607 permits a Retail Marijuana Products Manufacturer to Transfer Alternative Use Product to a Retail Marijuana Testing Facility prior to receiving an Alternative Use Designation. Except where the context otherwise clearly requires, rules applying to Medical Marijuana Concentrate, Retail Marijuana Concentrate, or Medical-Regulated Marijuana-Infused Product apply to Alternative Use Product.

“Applicant” means a Person that has submitted an application for licensure, ~~or~~ registration, or permit, or for renewal of licensure, ~~or~~ registration, or permit, pursuant to these rules that was accepted by the Division for review but has not been approved or denied by the State Licensing Authority.

“Approved Training Program” means a responsible vendor program that received approval from the Division prior to being offered to a Licensee.

~~“Associated Key License” means an Occupational License for an individual who is a Direct Beneficial Interest Owner of the Medical Marijuana Business, other than a Qualified Limited Passive Investor, and any Person who controls or is positioned so as to enable the exercise of control over a Medical Marijuana Business. Each shareholder, officer, director, member, or partner of a Closely Held Business Entity that is a Direct Beneficial Interest Owner and any Person who controls or is positioned as to enable the exercise of control over a Medical Marijuana Business must hold an Associated Key License.~~

“Audited Product” means a Regulated Medical Marijuana-Infused Product with an intended use of: (1) metered dose nasal spray, (2) pressurized metered dose inhaler, (3) vaginal administration, or (4) rectal administration. Audited Product types may raise public health concerns requiring additional safeguards and oversight. These product types may only be manufactured and Transferred by a Medical Marijuana-Infused Products Manufacturer in strict compliance with Rule M 607 and by a Retail Marijuana Products Manufacturer in strict compliance with Rule R 607. Prior to the first Transfer of an Audited Product to a Medical Marijuana Center, Retail Marijuana Store, or Optional Premises Cultivation Operation or Retail Marijuana Cultivation Facility that has obtained a Centralized Distribution Permit, the Medical

Marijuana-Infused Products Manufacturer or Retail Marijuana Products Manufacturer shall must submit to the Division and to the local licensing authority an independent third-party audit verifying compliance with Rule M 607 or Rule R 607. All rules regarding Medical-Regulated Marijuana-Infused Product apply to Audited Product except where Rules M 607, 712, 1002-1, and 1003-1, and Rules R 607, 712, 1002-1, and 1003-1 apply different requirements.

"Bad Actor" means a Person who:

- a. Has been convicted, within the previous ten years (or five years, in the case of issuers, their predecessors and affiliated issuers), of any felony or misdemeanor:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filing with the Federal Securities Exchange Commission; or
 - iii. Arising out of the conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- b. Is subject to any order, judgment or decree of any court of competent jurisdiction, entered within the previous five years, that restrains or enjoins such Person from engaging or continuing to engage in any conduct or practice:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filings with the Federal Securities Exchange Commission; or
 - iii. Arising out of conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- c. Is subject to a final order of a state securities commission (or an agency or officer of a state performing like functions); a state authority that supervises or examines banks, savings associations, or credit unions; a state insurance commission (or an agency or officer of a state performing like functions); an appropriate federal banking agency; the U.S. Commodity Futures Trading Commission; or the National Credit Union Administration that:
 - i. Bars the Person from:
 - A. Association with an Entity regulated by such commission, authority, agency, or officer;
 - B. Engaging in the business of Securities, insurance or banking; or
 - C. Engaging in savings association or credit union activities; or
 - ii. Constitutes a final order based on a violation of any law or regulation that prohibits fraudulent, manipulative, or deceptive conduct entered within the previous ten years;
- d. Is subject to an order of the Federal Securities Exchange Commission entered pursuant to section 15(b) or 15B(c) of the Securities Exchange Act of 1934, or section 203(e) or (f) of the Investment Advisers Act of 1940 that:

- i. Suspends or revokes such Person's registration as a broker, dealer, municipal securities dealer or investment adviser;
- ii. Places limitations on the activities, functions or operations of such Person; or
- iii. Bars such Person from being associated with any Entity, or from participating in the offering of any Penny Stock;
- e. Is subject to any order of the Federal Securities Exchange Commission entered within the previous five years that orders the Person to cease and desist from committing or causing a violation or future violation of:
 - i. Any scienter-based anti-fraud provision of the federal securities laws, including without limitations section 17(a)(1) of the Securities Act of 1933, section 10(b) of the Securities Exchange Act of 1934 and 17 C.F.R. 240.10b-5, section 15(c)(1) of the Securities Exchange Act of 1934 and section 206(1) of the Investment Advisers Act of 1940, or any other rule or regulation thereunder; or
 - ii. Section 5 of the Securities Act of 1933.
- f. Is suspended or expelled from membership in, or suspended or barred from association with a member of, a registered national securities exchange or a registered national or affiliated securities association for any act or omission to act constituting conduct inconsistent with just and equitable principles of trade;
- g. Has filed (as a registrant or issuer), or was named as an underwriter in, any registration statement or Regulation A offering statement filed with the federal Securities Exchange Commission that, within the previous five years, was the subject of a refusal order, stop order, or order suspending the Regulation A exemption, or is the subject of an investigation or proceeding to determine whether a stop order or suspension order should be issued; or
- h. Is subject to a United States Postal Service false representation order entered with the previous five years, or is subject to a temporary restraining order or preliminary injunction with respect to conduct alleged by the United States Postal Service to constitute a scheme or device for obtaining money or property through the mail by means of false representations.

"Batch Number" means any distinct group of numbers, letters, or symbols, or any combination thereof, assigned by a Medical Marijuana Optional Premises Cultivation Operation or Medical Marijuana-Infused Products Manufacturer to a specific Harvest Batch or Production Batch of Medical Marijuana, or by a Retail Marijuana Cultivation Facility or Retail Marijuana Products Manufacturer to a specific Harvest Batch or Production Batch of Retail Marijuana.

~~"Business Interest" means any Person that holds a Financial Interest or an Affiliated Interest in a Medical Marijuana Business.~~

"Beneficial Owner" includes the terms "beneficial ownership", or "beneficially owns" and means:

- a. any Person who, directly or indirectly, through any contract, arrangement, understanding, relationship, or otherwise has or shares:
 - i. Voting power which includes the power to vote, or to direct the voting of, an Owner's Interest; and/or,

- ii. Investment power which includes the power to dispose, or to direct the disposition of, an Owner's Interest.
- b. Any Person who, directly or indirectly, creates or uses a trust, proxy, power of attorney, pooling arrangement or any other contract, arrangement, or device with the purpose or effect of divesting such Person of beneficial ownership of an Owner's Interest or preventing the vesting of such beneficial ownership as part of a plan or scheme to evade the reporting requirements of section 13(d) or (g) of the Securities Act of 1933 shall be deemed for purposes of such sections to be the beneficial owner of such Owner's Interest.
- c. All Owner's Interests of the same class beneficially owned by a Person, regardless of the form which such beneficial ownership takes, shall be aggregated in calculating the number of shares beneficially owned by such Person.
- d. Notwithstanding the provisions of paragraphs (a) and (c) of this rule:
 - i.
 - A. A Person shall be deemed to be the beneficial owner of an Owner's Interest, subject to the provisions of paragraph (b) of this rule, if that Person has the right to acquire beneficial ownership of such Owner's Interest, as defined in Rule 13d-3(a) (§ 240.13d-3(a)) within sixty days, including but not limited to any right to acquire: (1) Through the exercise of any option, warrant or right; (2) through the conversion of an Owner's Interest; (3) pursuant to the power to revoke a trust, discretionary account, or similar arrangement; or (4) pursuant to the automatic termination of a trust, discretionary account or similar arrangement; provided, however, any person who acquires an Owner's Interest or power specified in paragraphs (d)(i)(A)(1), (2) or (3), of this section, with the purpose or effect of changing or influencing the control of the issuer, or in connection with or as a participant in any transaction having such purpose or effect, immediately upon such acquisition shall be deemed to be the beneficial owner of the Owner's Interests which may be acquired through the exercise or conversion of such Owner's Interests or power. Any Owner's Interests not outstanding which are subject to such options, warrants, rights or conversion privileges shall be deemed to be outstanding for the purpose of computing the percentage of outstanding Owner's Interests of the class owned by such Person but shall not be deemed to be outstanding for the purpose of computing the percentage of the class by any other Person.
 - B. Paragraph (d)(i)(A) of this section remains applicable for the purpose of determining the obligation to file with respect to the underlying Owner's Interests even though the option, warrant, right or convertible Owner's Interests is of a class of equity Owner's Interest, as defined in § 240.13d-1(i), and may therefore give rise to a separate obligation to file.
 - ii. A member of a national securities exchange shall not be deemed to be a beneficial owner of an Owner's Interest held directly or indirectly by it on behalf of another Person solely because such member is the record holder of such Owner's Interests and, pursuant to the rules of such exchange, may direct the vote of such Owner's Interests, without

instruction, on other than contested matters or matters that may affect substantially the rights or privileges of the holders of the Owner's Interests to be voted, but is otherwise precluded by the rules of such exchange from voting without instruction.

iii. A person who in the ordinary course of his business is a pledgee of Owner's Interests under a written pledge agreement shall not be deemed to be the beneficial owner of such pledged Owner's Interests until the pledgee has taken all formal steps necessary which are required to declare a default and determines that the power to vote or to direct the vote or to dispose or to direct the disposition of such pledged Owner's Interests will be exercised, provided, that:

A. The pledgee agreement is bona fide and was not entered into with the purpose nor with the effect of changing or influencing the control of the issuer, nor in connection with any transaction having such purpose or effect, including any transaction subject to Rule 13d-3(b);

B. The pledgee is a Person specified in Rule 13d-1(b)(ii), including Persons meeting the conditions set forth in paragraph (G) thereof; and

C. The pledgee agreement, prior to default, does not grant to the pledgee;

1. The power to vote or to direct the vote of the pledged Owner's Interests; or

2. The power to dispose or direct the disposition of the pledged Owner's Interests, other than the grant of such power(s) pursuant to a pledge agreement under which credit is extended subject to regulation T (12 CFR 220.1 to 220.8) and in which the pledgee is a broker or dealer registered under section 15 of the Securities Act of 1933.

iv. A Person engaged in business as an underwriter of Owner's Interests who acquires Owner's Interests through his participation in good faith in a firm commitment underwriting registered under the Securities Act of 1933 shall not be deemed to be the beneficial owner of such Owner's Interests until the expiration of forty days after the date of such acquisition.

"Blank Check Company" means an Entity that:

a. Is a development stage company that has no specific business plan or purpose or has indicated that its business plan is to engage in a merger or acquisition with an unidentified company or companies, or other Entity or Person; and

b. Is issuing Penny Stock.

"Cannabinoid" means any of the chemical compounds that are the active principles of marijuana.

"Centralized Distribution Permit" means a permit issued to an Optional Premises Cultivation Operation pursuant to section 44-11-403, C.R.S., or a Retail Marijuana Cultivation Facility pursuant to section 44-12-403, C.R.S., authorizing temporary storage of Medical Marijuana Concentrate and Medical Marijuana-Infused Product received from a Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Concentrate and Retail Marijuana Product received

from a Retail Marijuana Products Manufacturer for the sole purpose of Transfer to commonly owned Medical Marijuana Centers or Retail Marijuana Stores. For purposes of a Centralized Distribution Permit only, the term “commonly owned” means at least one natural person has a minimum of five percent ownership in both the Optional Premises Cultivation Operation possessing the Centralized Distribution Permit and the Medical Marijuana Center, or in both the Retail Marijuana Cultivation Facility possessing the Centralized Distribution Permit.

“Child-Resistant” means special packaging that is:

- a. Designed or constructed to be significantly difficult for children under five years of age to open and not difficult for normal adults to use properly as defined by 16 C.F.R. 1700.15 (1995) and 16 C.F.R. 1700.20 (1995). Note that this rule does not include any later amendments or editions to the Code of Federal Regulations. The Division has maintained a copy of the applicable federal regulations, which is available to the public;
- b. Opaque so that the packaging does not allow the product to be seen without opening the packaging material; and
- c. Resealable for any product intended for more than a single use or containing multiple servings.

~~“Closely Held Business Entity” means an “entity” as defined in section 7-90-102, C.R.S., that has no more than fifteen shareholders, officers, directors, members, partners or owners, each of whom are natural persons, each of whom holds an Associated Key License, and each of whom is a United States citizen prior to the date of application. There must be no publicly traded market for interests in the entity. A Closely Held Business Entity and each of the natural persons who are its shareholders, officers, directors, members, partners or owners, are Direct Beneficial Interest Owners. A Closely Held Business Entity is an associated business of the Medical Marijuana Business for which it is a Direct Beneficial Interest Owner.~~

“Commercially Reasonable Royalty” means a right to compensation in the form of a royalty payment for the use of intellectual property with a direct nexus to the cultivation, manufacture, Transfer, or testing of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product. A Commercially Reasonable Royalty must be limited to specific intellectual property the Commercially Reasonable Royalty ~~Interest-h~~Holder owns or is otherwise authorized to license or to a product or line of products. A Commercially Reasonable Royalty ~~must will~~ not be ~~approved where it could~~ cause reasonable consumer confusion or violate any federal copyright, trademark, or patent law or regulation. ~~The Commercially Reasonable Royalty shall provide for compensation to the Commercially Reasonable Royalty Holder as a percentage of gross revenue or gross profit. The royalty payment must be at a reasonable percentage rate.~~ To determine whether the ~~Commercially Reasonable Royalty percentage rate~~ is reasonable, the Division will consider the totality of the circumstances, including but not limited to the following factors:

- a. The percentage of royalties received by the recipient for the licensing of the intellectual property.
- b. The rates paid by the Licensee for the use of other intellectual property.
- c. The nature and scope of the license, as exclusive or non-exclusive; or as restricted or non-restricted in terms of territory or with respect to whom the product may be sold.
- d. The licensor’s established policy and marketing program to maintain his intellectual property monopoly by not licensing others or by granting licenses under special conditions designed to preserve that monopoly.

- e. The commercial relationship between the recipient and Licensee, such as, whether they are competitors in the same territory in the same line of business.
- f. The effect of selling the intellectual property in promoting sales of other products of the Licensee; the existing value of the intellectual property to the recipient as a generator of sales of his non-intellectual property items; and the extent of such derivative sales.
- g. The duration of the term of the license for use of the intellectual property.
- h. The established or projected profitability of the product made using the intellectual property; its commercial success; and its current popularity.
- i. The utility and advantages of the intellectual property over products or businesses without the intellectual property.
- j. The nature of the intellectual property; the character of the commercial embodiment of it as owned and produced by the licensor; and the benefits to those who have used the intellectual property.
- k. The portion of the profit or of the selling price that may be customary in the particular business or in comparable businesses to allow for the use of the intellectual property.
- l. The portion of the realizable profit that should be credited to the intellectual property as distinguished from non-intellectual property elements, the manufacturing process, business risks, or significant features or improvements added by the Licensee.

~~"Commercially Reasonable Royalty Interest Holder" means a Person that receives a Commercially Reasonable Royalty in exchange for a Licensee's use of the Commercially Reasonable Royalty Interest Holder's intellectual property. A Commercially Reasonable Royalty Interest Holder is an Indirect Beneficial Interest Owner.~~

"Container" means the receptacle directly containing Medical-Regulated Marijuana, ~~Medical Marijuana Concentrate~~, or Regulated Medical Marijuana-Infused Product that is labeled according to the requirements in Rules M 1001-1 *et seq.* or Rules R 1001-1 *et seq.*

"Control" means the possession, direct or indirect, of the power to direct or cause the direction of the management or policies of a Person, whether through the ownership of voting Owner's Interests, by contract, or otherwise. This definition of Control includes Controls, Controlled, Controlling, Controlled by, and under common Control with.

"Controlling Beneficial Owner" means a Person that satisfies one or more of the following criteria:

- a. A natural person, an Entity that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia, a Publicly Traded Corporation, or a Qualified Private Fund that is not a Qualified Institutional Investor;
- i. Acting alone or Acting In Concert, that owns or Acquires bBeneficial eOwnership of ten percent or more of the Owner's Interest of a Regulated Marijuana Business;
- ii. That is an Affiliate that Controls a Regulated Marijuana Business and includes, without limitation, any Manager; or

iii. That is otherwise in a position to Control the Regulated Marijuana Business except as authorized in section 44-11-407 or 44-12-407, C.R.S.; or

b. A Qualified Institutional Investor acting alone or Acting In Concert that owns or Acquires Beneficial Ownership of more than thirty percent of the Owner's Interest of a Regulated Marijuana Business.

c. Unless the context otherwise requires, the defined term Controlling Beneficial Owner includes Direct Beneficial Interest Owner.

"Court Appointee" means a Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person; acting in accordance with section 44-11-401(1.5), C.R.S., and these rules; and authorized by court order to take possession of, operate, manage, or control a Medical Regulated Marijuana Business.

"Covered Securities" means:

a. A Security designated as qualified for trading in the national market system pursuant to section 78k-1(a)(2) of the Securities Act of 1933 that is listed, or authorized for listing, on a national securities exchange (or tier or segment thereof); or a Security of the same issuer that is equal in seniority or that is a senior Security to a Security designated as qualified for trading in the national market system.

b. A Security issued by an investment company that is registered, or that has filed a registration statement under the federal Investment Company Act of 1940.

c. A Security as defined by the Federal Securities Exchange Commission by rule pursuant to 15 U.S.C. §77r(b)(3).

d. A Security pursuant to 15 U.S.C. §77r(b)(4).

"Denied Applicant" means any Person whose application for licensure, permit, or registration pursuant to the Medical Code or the Retail Code has been denied, any Person whose application for a responsible vendor program has been denied, or any Licensee whose application for any of the following non-exhaustive list has been denied: An initial license application pursuant to Rule 220-1, a renewal application pursuant to Rule 225-1, the request for a finding of suitability pursuant to Rule 235-1, a change or transfer of ownership pursuant to Rule 245-1M-205; a change of location of the Licensed Premises pursuant to Rule 255-1, M-206; or a change, alteration, or modification of the Licensed Premises pursuant to Rule M 303 or Rule R 303; or a production management class increase application pursuant to Rule M 507 or Rule R 506.

"Department" means the Colorado Department of Revenue.

~~"Direct Beneficial Interest Owner" means a natural person or a Closely Held Business entity that owns a share or shares of stock in a licensed Medical Marijuana Business, including the officers, directors, members, or partners of the licensed Medical Marijuana Business or Closely Held Business Entity, or a Qualified Limited Passive Investor. Each natural person that is a Direct Beneficial Interest Owner must hold an Associated Key License. Except that a Qualified Limited Passive Investor need not hold an Associated Key License and shall not engage in activities for which an Occupational License is required.~~

"Director" means the Director of the Marijuana Enforcement Division.

"Division" means the Marijuana Enforcement Division.

"Edible Medical Marijuana-Infused Product" means any Medical Marijuana-Infused Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

"Edible Retail Marijuana Product" means any Retail Marijuana Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

"Employee License" means a license granted by the State Licensing Authority pursuant to sections 44-11-401 or 44-12-401 to a natural person who is not a Controlling Beneficial Owner. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products, who is authorized to input data into a Regulated Marijuana Business's Inventory Tracking System or point-of-sale system, or who has unescorted access in the Restricted Access Area or Limited Access Area must hold an Employee License. Employee License includes both Key Licenses and Support Licenses.

"Entity" means a domestic or foreign corporation, cooperative, general partnership, limited liability partnership, limited liability company, limited partnership, limited liability limited partnership, limited partnership association, nonprofit association, nonprofit corporation, or any other organization or association that is formed under a statute or common law of the state of Colorado or any other jurisdiction as to which the laws of this state of Colorado or the laws of any other jurisdiction governs relations among owners and between the owners and the organization or association and that is recognized under the laws of the state of Colorado or the other jurisdiction as a separate legal entity.

~~"Executive Director" means the Executive Director of the Department of Revenue.~~

"Executive Officer" means the president, any vice president in charge of a principal business unit, division or function (such as sales, administration or finance), any other officer who performs a policy making function, or any other person who performs similar policy making functions for the Regulated Marijuana Business.

"Exit Package" means an Opaque bag or other similar Opaque covering provided at the point of sale, in which Regulated Medical Marijuana, Medical Marijuana Concentrate, or Regulated Medical Marijuana-Infused Product already in a Container is placed. If Regulated Medical Marijuana flower, trim, or seeds are placed into a Container that is not Child-Resistant, then the Exit Package must be Child-Resistant. The Exit Package is not required to be labeled in accordance with Rules R 1001-1 et seq.

"Fibrous Waste" means any roots, stalks, and stems from a Regulated Medical Marijuana plant.

"Final Agency Order" means an Order of the State Licensing Authority issued in accordance with the Medical Code or the Retail Code and the State Administrative Procedure Act. The State Licensing Authority will issue a Final Agency Order following review of the Initial Decision and any exceptions filed thereto or at the conclusion of the declaratory order process. A Final Agency Order is subject to judicial review.

~~"Financial Interest" means any Direct Beneficial Interest Owner, a Commercially Reasonable Royalty Interest Holder who receives more than 30 percent of the gross revenue or gross profit, a Permitted Economic Interest holder, and any other Person who controls or is positioned so as to enable the exercise of control over the Medical Marijuana Business.~~

"Finished Marijuana" means post-harvest Medical Marijuana including flower and trim that has been harvested for more than 90 days or that has completed the curing and drying process according to the Optional Premises Cultivation Operation's written standard operating procedures that were last submitted to the Division. Standard operating procedures for curing and drying may provide a curing and drying period that is longer than 90 days but any such period must be commercially reasonable and shall can not exceed 12 months. Among other factors, the Division may consider the Optional Premises Cultivation Operation's prior business years' business

transactions to determine whether the Optional Premises Cultivation Operation's standard operating procedures are commercially reasonable.

"Flammable Solvent" means a liquid that has a flash point below 100 degrees Fahrenheit.

"Flowering" means the reproductive state of the Cannabis plant in which there are physical signs of flower or budding out of the nodes in the stem.

"Food-Based Medical Marijuana Concentrate" means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of propylene glycol, glycerin, butter, olive oil or other typical cooking fats.

"Food-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of propylene glycol, glycerin, butter, olive oil, or other typical cooking fats.

"Foreign Private Issuer" means any foreign issuer other than a foreign government except an issuer meeting the following conditions as of the last business day of its most recently completed second fiscal quarter:

- a. More than 50 percent of the outstanding voting Securities of such issuer are directly or indirectly owned of record by residents of the United States; and
- b. Any of the following:
 - i. The majority of the executive officers or directors are United States citizens or residents;
 - ii. More than 50 percent of the assets of the issuer are located in the United States; or
 - iii. The business of the issuer is administered principally in the United States.

"Good Cause" for purposes of denial of an initial, renewal or reinstatement license, registration, or permit application or certification, or for purposes of discipline of a license or certification, means:

- a. The Licensee or Applicant has violated, does not meet, or has failed to comply with any of the terms, conditions, or provisions of the Medical Code, the Retail Code, any rules promulgated pursuant ~~to the Medical Code or Retail Code~~, or any supplemental relevant state or local law, rule, or regulation;
- b. The Licensee or Applicant has failed to comply with any special terms or conditions that were placed upon the license pursuant to an order of the State Licensing Authority or the relevant local licensing authority; or
- c. The Licensee's or the Applicant's Licensed Premises have been operated in a manner that adversely affects the public health or welfare or the safety of the immediate neighborhood in which the establishment is located.

"Good Moral Character" means having a criminal history that demonstrates honesty, fairness, and respect for the rights of others and for the law.

"Harvest Batch" means a specifically identified quantity of processed Medical-Regulated Marijuana that is uniform in strain, cultivated utilizing the same Pesticide and other agricultural chemicals and harvested at the same time.

"Harvested Marijuana" means post-Flowering Retail Marijuana not including trim, concentrate, or waste that remains on the premises of the Retail Marijuana Cultivation Facility or its off-premises storage location beyond 60 days from harvest.

"Heat/Pressure-Based Medical Marijuana Concentrate" means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of heat and/or pressure. The method of extraction may be used by only a Medical Marijuana-infused Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Medical Marijuana Concentrate or Solvent-Based Medical Marijuana Concentrate.

"Heat/Pressure-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of heat and/or pressure. This method of extraction may be used by only a Retail Marijuana Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Retail Marijuana Concentrate or Solvent-Based Retail Marijuana Concentrate.

"Identification Badge" means a physical badge issued to any natural person possessing an Owner License or Employee License, used to verify the identity of the natural persons on the Licensed Premises of a Regulated Marijuana Business.

"Identity Statement" means the name of the business as it is commonly known and used in any Advertising.

"Immature plant" means a nonflowering ~~Regulated Medical~~ Marijuana plant that is no taller than eight inches and no wider than eight inches produced from a cutting, clipping or seedling and that is in a growing container that is no larger than two inches wide and two inches tall that is sealed on the sides and bottom. Plants meeting these requirements are not attributable to a Licensee's maximum allowable plant count, but must be fully accounted for in the Inventory Tracking System.

"Indirect Financial Interest Holder" means a Person that is not an Affiliate, a Controlling Beneficial Owner, or a Passive Beneficial Owner of a Regulated Marijuana Business and that:

- a. Holds a Commercially Reasonable Royalty in exchange for a Regulated Marijuana Business's use of the Person's intellectual property;
- b. Holds a Permitted Economic Interest that was issued prior to January 1, 2020, and that has not been converted into an Owner's Interest or holds any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business obtained after January 1, 2020;
- c. Is a contract counterparty with a Regulated Marijuana Business, other than a customary employment agreement, that has a direct nexus to the cultivation, manufacture, sale, or testing of Regulated Marijuana, including, but not limited to, a lease of real property on which the Regulated Marijuana Business operates, a lease of equipment used in the cultivation, manufacture, or testing of Regulated Marijuana, a secured or unsecured financing agreement with the Regulated Marijuana Business, a security contract with the Regulated Marijuana Business, or a management agreement with the Regulated Marijuana Business, provided that no such contract compensates the contract counterparty with a percentage of revenue for profits of the Regulated Marijuana Business.
- d. Unless the context otherwise requires, the defined term Indirect Financial Interest Holder includes Indirect Beneficial Interest Owner.

~~"Indirect Beneficial Interest Owner" means a holder of a Permitted Economic Interest, a recipient of a Commercially Reasonable Royalty associated with the use of intellectual property by a~~

~~Licensee, a Profit-Sharing Plan Employee, a Qualified Institutional Investor, or another similarly situated Person as determined by the State Licensing Authority. An Indirect Beneficial Interest Owner is not a Licensee. The Licensee must obtain Division approval for an Indirect Beneficial Interest Owner that constitutes a Financial Interest before such Indirect Beneficial Interest Owner may exercise any of the privileges of the ownership or interest with respect to the Licensee.~~

“Industrial Fiber Products” means intermediate or finished products made from Fibrous Waste that are not intended for human or animal consumption and are not usable or recognizable as ~~Regulated Medical~~ Marijuana. Industrial Fiber Products include, but are not limited to, cordage, paper, fuel, textiles, bedding, insulation, construction materials, compost materials, and industrial materials.

“Industrial Fiber Products Producer” means a Person who produces Industrial Fiber Products using Fibrous Waste.

“Industrial Hemp” means a plant of the genus Cannabis and any part of the plant, whether growing or not, containing a delta-9 tetrahydrocannabinol (THC) concentration of no more than three-tenths of one percent (0.3%) on a dry weight basis.

“Industrial Hygienist” means a natural person ~~individual~~ who has obtained a baccalaureate or graduate degree in industrial hygiene, biology, chemistry, engineering, physics, or a closely related physical or biological science from an accredited college or university.

- a. The special studies and training of such ~~individuals~~ persons ~~shall~~ must be sufficient in the cognate sciences to provide the ability and competency to:
 - ~~4.i.~~ Anticipate and recognize the environmental factors and stresses associated with work and work operations and to understand their effects on individuals and their well-being;
 - ~~ii.2.~~ Evaluate on the basis of training and experience and with the aid of quantitative measurement techniques the magnitude of such environmental factors and stresses in terms of their ability to impair human health and well-being;
 - ~~iii.3.~~ Prescribe methods to prevent, eliminate, control, or reduce such factors and stresses and their effects.
- b. Any ~~individual~~ person who has practiced within the scope of the meaning of industrial hygiene for a period of not less than five years immediately prior to July 1, 1997, is exempt from the degree requirements set forth in the definition above.
- c. Any ~~individual~~ person who has a two-year associate of applied science degree in environmental science from an accredited college or university and in addition not less than four years practice immediately prior to July 1, 1997, within the scope of the meaning of industrial hygiene is exempt from the degree requirements set forth in the definition above.

“Ineligible Issuer” means:

- a. Any issuer that is required to file reports pursuant to section 13 or 15(d) of the Securities Exchange Act of 1934 that has not filed all reports and other materials required to be filed during the preceding 12 months, other than reports on Form 8-K required solely pursuant to an item specified in General Instruction I.A.3(b) of Form S-3;

- b. The issuer is, or during the past three years the issuer or any of its predecessors was:
 - i. A Blank Check Company;
 - ii. A Shell Company;
 - iii. An issuer of an offering of Penny Stock;
- c. The issuer is a limited partnership that is offering and selling its Securities other than through a firm commitment underwriting;
- d. Within the past three years, a petition under the federal bankruptcy laws or any state insolvency law was filed by or against the issuer, or a court appointed a receiver, fiscal agent or similar officer with respect to the business or property of the issuer subject to the following:
 - i. In the case of an involuntary bankruptcy in which a petition was filed against the issuer, ineligibility will occur upon the earlier to occur of:
 - A. 90 days following the date of the filing of the involuntary petition (if the case has not been earlier dismissed); or
 - B. The conversion of the case to a voluntary proceeding under federal bankruptcy or state insolvency laws; and
 - ii. Ineligibility will terminate if an issuer has filed an annual report with audited financial statements subsequent to its emergence from that bankruptcy, insolvency, or receivership process;
- e. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was convicted of any felony or misdemeanor described in paragraphs (i) through (iv) of section 15(b)(4)(B) of the Securities Exchange Act of 1934;
- f. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was made the subject of any judicial or administrative decree or order arising out of a governmental action that:
 - i. Prohibits certain conduct or activities regarding, including future violations of, the anti-fraud provisions of the federal securities laws;
 - ii. Requires that the Person cease and desist from violating the anti-fraud provisions of the federal securities laws; or
 - iii. Determines that the Person violated the anti-fraud provisions of the federal securities laws;
- g. The issuer has filed a registration statement that is the subject of any pending proceeding or examination under section 8 of the Securities Act of 1933 or has been the subject of any refusal order or stop order under section 8 of the Securities Act of 1933 within the past three years; or
- h. The issuer is the subject of any pending proceeding under section 8A of the Securities Act of 1933 in connection with an offering.

“Initial Decision” means a decision of a hearing officer in the Department following a licensing, disciplinary, or other administrative hearing.

“Inventory Tracking System” means the required seed-to-sale tracking system that tracks Medical Regulated Marijuana from either the seed or immature plant stage until the Regulated Medical Marijuana or Regulated Medical Marijuana ~~Infused~~-Product is sold to a patient at a Medical Marijuana Center, sold to a consumer at a Retail Marijuana Store, Transferred to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility, Transferred to a Sampling Manager, Transferred to an Industrial Fiber Products Producer, Transferred to a Medical Research Facility, Transferred to a Pesticide Manufacturer, destroyed by a Medical-Regulated Marijuana Business, or used in a Research Project by a Licensed Research Business.

“Inventory Tracking System Trained Administrator” means an Associated Key Owner Licensee of a Medical-Regulated Marijuana Business or an Employee Licensee employed by occupationally licensed employee of a Medical-Regulated Marijuana Business, each of whom has attended and successfully completed Inventory Tracking System training and has completed any additional training required by the Division.

“Inventory Tracking System User” means an Associated Key Owner Licensee of a Medical Regulated Marijuana Business or an occupationally licensed Employee Licensee employed by a Medical Regulated Marijuana Business ~~employee~~ who is granted Inventory Tracking System User account access for the purposes of conducting inventory tracking functions in the Inventory Tracking System. Each Inventory Tracking System User must have been successfully trained by Inventory Tracking System Trained Administrator(s) in the proper and lawful use of the Inventory Tracking System, and who has completed any additional training required by the Division.

“Key License” means an Employee Occupational License for a natural person n individual who performs duties that are central to the Medical-Regulated Marijuana Business’ operation. An individual-person holding a Key License has the highest level of responsibility. An example of a Key Licensee includes, but is not limited to, managers.

“Kief” means the resinous crystal-like trichomes that are found on Regulated Retail Marijuana flower and that are accumulated, resulting in a higher concentration of cannabinoids.

“Licensed Premises” means the premises specified in an application for a license pursuant to the Medical Code or Retail Code that are owned or in possession of the Licensee and within which the Licensee is authorized to cultivate, manufacture, distribute, sell, store, transport, test, or research Medical Marijuana in accordance with the provisions of the Medical Code, or to cultivate, manufacture, distribute, sell, store, transport, or test Retail Marijuana in accordance with the provision of the Retail Code, and these rules. Not all areas of the Licensed Premises are Limited Access Areas or Restricted Access Areas.

“Licensed Research Business” means a Marijuana Research and Development Facility or a Marijuana Research and Development Cultivation.

“Licensee” means any Person licensed, ~~or~~ or-registered, or permitted pursuant to the Medical Code or Retail Code, including an Occupational Owner Licensee and an Employee Licensee.

“Limited Access Area” means a building, room, or other contiguous area upon the Licensed Premises where Regulated Medical Marijuana is grown, cultivated, stored, weighed, packaged, Transferred, or processed for Transfer, under control of the Licensee.

“Limit of Detection” or “LOD” means the lowest quantity of a substance that can be distinguished from the absence of that substance (a blank value) within a stated confidence limit (generally 1%).

“Limit of Quantitation” or “LOQ” means the lowest concentration at which the analyte can not only be reliably detected but at which some predefined goals for bias and imprecision are met.

"Liquid Edible Medical Marijuana-Infused Product" means an Edible Medical Marijuana-Infused Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

"Liquid Edible Retail Marijuana Product" means an Edible Retail Marijuana Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

"Manager" means:

- a. A member of a limited liability company in which management is not vested in managers rather than members;
- b. A manager of a limited liability company in which management is vested in managers rather than members;
- c. A member of a limited partnership association in which management is not vested in managers rather than members;
- d. A manager of a limited partnership association in which management is vested in managers rather than members;
- e. A general partner;
- f. An officer or director of a corporation, a nonprofit corporation, a cooperative, or a limited partnership association; or
- g. Any Person whose position with respect to an Entity, as determined under the constituent documents and organic statutes of the Entity, without regard to the Person's title, is the functional equivalent of any of the positions described in this definition.

"Marijuana-Based Workforce Development Training Program" means a program designed to train individuals to work in the legal Medical or Retail Marijuana industry operated by an entity licensed under the Medical Code and/or the Retail Code or by a school that is authorized by the Division of Private Occupational Schools.

"Marketing Layer" means that packaging in addition to the Container that is the outermost layer visible to the consumer at the point of sale. The Marketing Layer is optional, but if used by a Licensee in addition to the required Container, it must be labeled according to the requirements in Rules M 1001-1 ~~et seq.~~ or Rules R 1001-1 et seq.

"Marijuana Research and Development Cultivation" means a Person that is licensed pursuant to the Medical Code to grow, cultivate, and possess Medical Marijuana, and to Transfer Medical Marijuana to a Medical Research and Development Facility or another Medical Research and Development Cultivation, all for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Cultivation is a Licensed Research Business.

"Marijuana Research and Development Facility" means a Person that is licensed pursuant to the Medical Code to possess Medical Marijuana for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Facility is a Licensed Research Business.

"Material Change" means any change that would require a substantive revision to a Medical Regulated Marijuana Business's standard operating procedures for the cultivation of Regulated

~~Medical Marijuana~~ or the production of a ~~Medical Marijuana Concentrate or Regulated Medical Marijuana-Infused~~ Product.

“Medical Code” means the Colorado Medical Marijuana Code found at sections 44-11-101 *et. seq.*, C.R.S.

“Medical Marijuana” means marijuana that is grown and sold pursuant to the Medical Code and includes seeds and Immature Plants. Unless the context otherwise requires, Medical Marijuana Concentrate is considered Medical Marijuana and is included in the term Medical Marijuana as used in these rules.

“Medical Marijuana Business” means a licensed Medical Marijuana Center, a Medical Marijuana-Infused Products Manufacturer, an Optional Premises Cultivation Operation, a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator, a Medical Marijuana Transporter, a Marijuana Research and Development Facility, or a Marijuana Research and Development Cultivation.

“Medical Marijuana Business Operator” means an entity that holds a registration, license, or permit from the State Licensing Authority to provide professional operational services to one or more Medical Marijuana Businesses, other than Licensed Research Businesses, for direct remuneration from the Medical Marijuana Business(es), which may include compensation based upon a percentage of the profits of the Medical Marijuana Business(es) being operated. A Medical Marijuana Business Operator may contract with Medical Marijuana Business(es) to provide operational services. A Medical Marijuana Business Operator’s contract with a Medical Marijuana Business does not in and of itself constitute ownership. The Medical Code and rules apply to all Medical Marijuana Business Operators regardless of whether such operator holds a registration or license. Any reference to “license” or “licensee” ~~shall~~ means “registration” or “registrant” when applied to a Medical Marijuana Business Operator that holds a registration issued by the State Licensing Authority.

“Medical Marijuana Center” means a Person that is licensed pursuant to the Medical Code to operate a business as described in section 44-11-402, C.R.S., and that sells Medical Marijuana to registered patients or primary caregivers as defined in Article XVIII, Section 14 of the Colorado Constitution, but is not a primary caregiver.

“Medical Marijuana Concentrate” means a specific subset of Medical Marijuana that was produced by extracting Cannabinoids from Medical Marijuana. Categories of Medical Marijuana Concentrate include Water-Based Medical Marijuana Concentrate, Food-Based Medical Marijuana Concentrate, Solvent-Based Medical Marijuana Concentrate, and Heat/Pressure-Based Medical Marijuana Concentrate.

“Medical Marijuana-Infused Product” means a product infused with Medical Marijuana that is intended for use or consumption other than by smoking, including but not limited to edible products, ointments, and tinctures. Such products shall not be considered a food or drug for purposes of the “Colorado Food and Drug Act,” part 4 of Article 5 of Title 25, C.R.S.

“Medical Marijuana-Infused Products Manufacturer” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-404, C.R.S.

“Medical Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product.

“Medical Marijuana Transporter” means a Person that is licensed to transport Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product from one Medical Marijuana Business to another Medical Marijuana Business or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Medical Marijuana and Medical Marijuana-Infused Product at its licensed premises, but is not authorized to sell, give away, buy,

or receive complimentary Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product under any circumstances. A Medical Marijuana Transporter does not include a Licensee that transports its own Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product.

“Medical Research Facility” means a Person approved and grant-funded by the State Board of Health pursuant to section 25-1.5-106.5, C.R.S., to conduct Medical Marijuana research. A Medical Marijuana Research Facility is neither a [Medical Regulated Marijuana Business](#), ~~a Retail Marijuana Establishment~~, nor a Licensee.

“Monitoring” means the continuous and uninterrupted attention to potential alarm signals that could be transmitted from a Security Alarm System located at a [Medical Regulated Marijuana Business Licensed Premises](#), for the purpose of summoning a law enforcement officer to the premises during alarm conditions.

“Monitoring Company” means a Person in the business of providing Monitoring services for a [Medical Regulated Marijuana Business](#).

“Multiple-Serving Edible Retail Marijuana Product” means an Edible Retail Marijuana Product unit for sale to consumers containing more than 10mg of active THC and no more than 100mg of active THC. If the overall Edible Retail Marijuana Product unit for sale to the consumer consists of multiple pieces where each individual piece may contain less than 10mg active THC, yet in total all pieces combined within the unit for sale contain more than 10mg of active THC, then the Edible Retail Marijuana Product will be considered a Multiple-Serving Edible Retail Marijuana Product.

“Non-objecting Beneficial Owner” means a Beneficial Owner who gives permission to a financial intermediary to release their name and address to the company(ies) or issuer(s) in which they have bought Securities.

“Notice of Denial” means a written statement from the State Licensing Authority, articulating the reasons or basis for denial of a license application.

~~“Occupational License” means a license granted to an individual by the State Licensing Authority pursuant to section 44-11-401, C.R.S. An Occupational License may be an Associated Key License, a Key License or a Support License.~~

“Opaque” means that the packaging does not allow the product to be seen without opening the packaging material.

“Optional Premises Cultivation Operation” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-403, C.R.S.

“Order to Show Cause” means a document from the State Licensing Authority alleging the grounds for imposing discipline against a Licensee’s license.

“Owner’s Interest” means the shares of stock in a corporation, a membership in a nonprofit corporation, a membership interest in a limited liability company, the interest of a member in a cooperative or in a limited cooperative association, a partnership interest in a limited partnership, a partnership interest in a partnership, and the interest of a member in a limited partnership association.

~~“Owner” means, except where the context otherwise requires, a Direct Beneficial Interest Owner.~~

“Owner License” means a license issued to a Personn-individual who is a Controlling Beneficial Owner of a Regulated Marijuana Business or who is a Passive Beneficial Owner electing to be subject to licensure.

"Passive Beneficial Owner" means any Person Acquiring any Owner's Interest in a Regulated Marijuana Business that is not otherwise a Controlling Beneficial Owner or in Control.

"Penny Stock" means any equity security other than a Security:

a. That is an National Market System stock, provided that:

i. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange that has been continuously registered as a national securities exchange since April 20, 1992; and the national securities exchange has maintained quantitative listing standards that are substantially similar to or stricter than those listing standards that were in place on that exchange on January 8, 2004; or

ii. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange, or is listed, or approved for listing upon notice of issuance on, an automated quotation system sponsored by a registered national securities association, that:

A. Has established initial listing standards that meet or exceed the following criteria:

1. The issuer shall have: (a) stockholders' equity of \$5,000,000; (b) market value of listed Securities of \$50 million for 90 consecutive days prior to applying for a listing (market value means the closing bid price multiplied by the number of Securities listed); or (c) net income of \$750,000 (excluding non-recurring items) in the most recently completed fiscal year or in two of the last three most recently completed fiscal years;
2. The issuer shall have an operating history of at least one year or a market value of listed Securities of \$50 million (market value means the closing bid price multiplied by the number of Securities listed);
3. The issuer's stock, common or preferred, shall have a minimum bid price of \$4 per share;
4. In the case of common stock, there shall be at least 300 round lot holders of the Security (a round lot holder means a holder of a normal unit of trading);
5. In the case of common stock, there shall be at least 1,000,000 publicly held shares and such shares shall have a market value of at least \$5 million (market value means the closing bid price multiplied by the number of publicly held shares, and shares held directly or indirectly by an officer or director of the issuer and by any Person who is the Beneficial Owner of more than 10 percent of the total shares outstanding are not considered to be publicly held);
6. In the case of a convertible debt security, there shall be a principal amount outstanding of at least \$10 million;
7. In the case of rights and warrants, there shall be at least 100,000 issued and the underlying security shall be

registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;

8. In the case of put warrants (that is, instruments that grant the holder the right to sell to the issuing company a specified number of shares of the company's common stock, at a specified price until a specified period of time), there shall be at least 100,000 issued and the underlying Security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;

9. In the case of units (that is, two or more Securities traded together), all component parts shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition; and

10. In the case of equity Securities (other than common and preferred stock, convertible debt securities, rights and warrants, put warrants, or units), including hybrid products and derivative products, the national securities exchange or registered national securities association shall establish quantitative listing standards that are substantially similar to those found in paragraph (a)(ii) of this definition; and

B. Has established quantitative continued listing standards that are reasonable related to the initial listing standards set forth in paragraph (a)(ii) of this definition, and that are consistent with the maintenance of fair and orderly markets;

b. That is issued by an investment company registered under the Federal Investment Company Act of 1940;

c. That is a put or call option issued by the Options Clearing Corporation;

d. That has a price of five dollars or more;

i. For purposes of this paragraph (d):

A. A Security has a price of five dollars or more for a particular transaction if the Security is purchased or sold in that transaction at a price of five dollars or more, excluding any broker or dealer commission, commission equivalent, mark-up, or mark-down; and

B. Other than in connection with a particular transaction, a Security has a price of five dollars or more at a given time if the inside bid quotation is five dollars or more; provided, however, that if there is no such inside bid quotation, a Security has a price of five

dollars or more at a given time if the average of three or more interdealer bid quotations at specified prices displayed at that time in an interdealer quotation system, by three or more market makers in the Security, is five dollars or more.

C. The term “inside bid quotation” shall mean the highest bid quotation for the Security displayed by a market maker in the Security on an automated interdealer quotation system that has the characteristics set forth in section 17B(b)(2) of the Federal Securities Exchange Act of 1934, or such other automated interdealer quotation system designated by the Federal Securities Exchange Commission for purposes of this definition, at any time in which at least two market makers are contemporaneously displaying on such system bid and offer quotation for the Security at specified prices.

ii. If a Security is a unit composed of one or more Securities, the unit price divided by the number of shares of the unit that are not warrants, options, rights, or similar Securities must be five dollars or more as determined in accordance with paragraph (d)(i), and any share of the unit that is a warrant, option, right, or similar security, or a convertible security, must have an exercise price or conversion price of five dollars or more;

e. That is registered, or approved for registration upon notice of issuance, on a national securities exchange that makes transaction reports available provided that:

i. Price and volume of information with respect to transactions in that security is required to be reported on a current and continuing basis and is made available to vendors of market information pursuant to the rules of the national securities exchange;

ii. The Security is purchased or sold in a transaction that is effected on or through the facilities of the national securities exchange, or that is part of the distribution of the Security; and

iii. The Security satisfies the requirements of paragraphs (a)(i) or (a)(ii);

f. That is a security futures product listed on a national securities exchange or an automated quotation system sponsored by a registered national securities association; or

g. Whose issuer has:

i. Net tangible assets in excess of \$2,000,000, if the issuer has been in continuous operation for at least three years, or \$5,000,000 if the issuer has been in continuous operation for less than three years; or

ii. Average revenue of at least \$6,000,000 for the last three years.

“Permitted Economic Interest” means an any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business issued prior to January 1, 2020~~Agreement to obtain an ownership interest in a Retail Marijuana Establishment or Medical Marijuana Business~~when the holder of such interest is a natural person who is a lawful United States resident and whose right to convert into an ownership interest is contingent on the holder qualifying and obtaining a license as a~~Direct Beneficial Interest~~Controlling Beneficial Owner or

~~Passive Beneficial Owner~~ under the Retail Code or Medical Code. ~~This definition is repealed effective January 1, 2020. A Permitted Economic Interest holder is an Indirect Beneficial Interest Owner.~~

"Person" means ~~a natural person, partnership, association, company, corporation, limited liability company, or organization, or a manager, agent, owner, director, servant, officer, or employee thereof; except that "Person" does not include any governmental organization~~ a natural person, an estate, a trust, an Entity, or a state or other jurisdiction.

"Pesticide" means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any pest or any substance or mixture of substances intended for use as a plant regulator, defoliant or desiccant; except that the term "pesticide" ~~shall~~ does not include any article that is a "new animal drug" as designated by the United States Food and Drug Administration."

"Pesticide Manufacturer" means a Person who: (1) manufactures, prepares, compounds, propagates, or processes any Pesticide or device or active ingredient used in producing a Pesticide; (2) who possesses an establishment number with the U.S. Environmental Protection Agency pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. §§ 136 *et seq.*; (3) who conducts research to establish safe and effective protocols, including but not limited to establishing efficacy and toxicity, for the use of Pesticides on Regulated Medical-Marijuana; (4) who has applied for and received any necessary license, registration, certifications, or permits from the Colorado Department of Agriculture pursuant to the Pesticide Act, section 35-9-101 *et seq.*, C.R.S., and/or the Pesticide Applicators' Act, sections 35-10-101 *et seq.*, C.R.S.; (5) who is authorized to conduct business in the State of Colorado; and (6) who has physical possession of the location in the State of Colorado where its research activities occur. A Pesticide Manufacturer is neither a Medical-Regulated Marijuana Business, ~~a Retail Marijuana Establishment~~, nor a Licensee.

"Production Batch" means (a) any amount of Medical Marijuana Concentrate or Retail Marijuana Concentrate of the same category and produced using the same extraction methods, standard operating procedures and an identical group of Harvest Batch(es) of Medical Marijuana or Retail Marijuana; or (b) any amount of Medical Marijuana Product or Retail Marijuana Product of the same exact type, produced using the same ingredients, standard operating procedures and the same Production Batch(es) of Medical Marijuana Concentrate or Retail Marijuana Concentrate.

"Professional Engineer" means ~~an individual~~ natural person who is licensed by the State of Colorado as a professional engineer pursuant to sections 12-25-101 *et seq.*, C.R.S.

"Proficiency Testing" means an assessment of the performance of a Medical Marijuana Testing Facility's or Retail Marijuana Testing Facility's methodology and processes. Proficiency Testing is also known as inter-laboratory comparison. The goal of Proficiency Testing is to ensure results are accurate, reproducible, and consistent.

~~"Profit-Sharing Plan" means a profit-sharing plan that is qualified pursuant to 26 U.S.C. § 401 of the Internal Revenue Code and subject to the Employee Retirement Income Security Act, and which provides for employer contributions in the form of cash, but not in the form of stock or other equity interests in a Medical Marijuana Business.~~

~~"Profit-Sharing Plan Employee" means an employee holding an Occupational License who receives a share of a Medical Marijuana Business's profits through a Profit-Sharing Plan. A Profit-Sharing Plan Employee is an Indirect Beneficial Interest Owner.~~

"Propagation" means the reproduction of Regulated Medical-Marijuana plants by seeds, cuttings or grafting.

"Public Institution", for purposes of the 1900 Series, means any entity established or controlled by the federal government, a state government, or a local government or municipality, including but not limited to institutions of higher education or public higher education research institutions.

"Public Money", for purposes of the 1900 Series, means any funds or money obtained by the holder from any governmental entity, including but not limit to research grants.

"Publicly Traded Corporation" means any Person other than an individual that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia or another country that authorizes the sale of marijuana that:

- a. Has a class of Securities registered pursuant to section 12 of the Securities Exchange Act of 1934, as amended, that:
 - i. Constitutes Covered Securities; or
 - ii. Is qualified and quoted on the OTCQX or OTCQB tier of the OTC markets if:
 - A. The Person is then required to file reports and is filing reports on a current basis with the Federal Securities Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities; and
 - B. The Person has established and is in compliance with corporate governance measures pursuant to corporate governance obligations imposed on Securities qualified and quoted on the OTCQX tier of the OTC markets.
- b. Is an Entity that has a class of Securities listed on the Canadian Securities Exchange, Toronto Stock Exchange, TSX Venture Exchange, or NEO Exchange, if:
 - i. The Entity constitutes a Foreign Private Issuer whose Securities are exempt from registration pursuant to section 12 of the Federal Securities Exchange Act of 1934, as amended, pursuant to Rule 12g3-2(b) promulgated pursuant to the federal Securities Exchange Act of 1934, as amended; and
 - ii. The Entity has been, for the preceding three hundred sixty-five days or since the formation of the Entity, in compliance with all governance and reporting obligations imposed by the relevant exchange on such Entity; or
- c. Publicly Traded Corporation does not include:
 - i. An Ineligible Issuer, unless such Publicly Traded Corporation satisfies the definition of Ineligible Issuer solely because it is one or more of the following, and the Person is filing reports on a current basis with the Federal Securities and Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities, and prior to becoming a Publicly Traded Corporation, the Person for at least two years was licensed by the State Licensing Authority as a Regulated Marijuana Business with a demonstrated history of operations in the state of Colorado, and during

such time was not subject to suspension or revocation of the business license:

A. a Blank Check Company;

B. an issuer in an offering of Penny Stock; or

C. a Shell Company.

ii. A Person disqualified as a Bad Actor.

“Qualified Institutional Investor” means:

- a. A bank as defined in Section 3(a) (6) of the Federal Securities Exchange Act of 1934, as amended, if the bank is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- b. A bank holding company as defined in the Federal Bank Holding Company Act of 1956, as amended, if the bank holding company is registered and current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- c. An insurance company as defined in Section 2(a) (17) of the Federal Investment Company Act of 1940, as amended, if the insurance company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- de. An investment company registered under Section 8 of the Federal Investment Company Act of 1940, as amended, and subject to 15 U.S.C. Sec. 80a-1 to 80a-64, if the investment company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- d. ~~An investment adviser registered under Section 203 of the Investment Advisers Act of 1940, as amended;~~
- e. ~~Collective trust funds as defined in Section 3(c) (11) of the Investment Company Act of 1940, as amended;~~
- fe. An employee benefit plan or pension fund ~~that is~~ subject to the Federal Employee Retirement Income Security Act of 1974, ~~as amended,~~ excluding an employee benefit plan or pension fund sponsored by a licensee~~ed~~ or an intermediary or holding company licensee which directly or indirectly owns five ten percent or more of a licensee;
- gf. A state or federal government pension plan; or
- hg. A group comprised entirely of persons specified in (a) through (g) of this definition.

~~A Qualified Institutional Investor is an Indirect Beneficial Interest Owner.~~

~~“Qualified Limited Passive Investor” means a natural person who is a United States citizen and is a passive investor who owns less than a five percent share or shares of stock in a licensed Medical Marijuana Business. A Qualified Limited Passive Investor is a Direct Beneficial Interest Owner.~~

“Qualified Private Fund” means an issuer that would be an investment company, as defined in section 3 of the Federal Investment Company Act of 1940, but for the exclusions provided under sections 3(c)(1) or 3(c)(7) of that Act, and that:

- a. Is advised or managed by an investment adviser as defined and registered under sections 80b-1-21, title 15 of the Federal Investment Advisors Act of 1940, and for which the registered investment adviser is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder; and
- b. Satisfies one or more of the following:
 - i. Is organized under the law of a state or the United States;
 - ii. Is organized, operated, or sponsored by a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended; or
 - iii. Sells Securities to a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended.

“R&D Co-Location Permit” means a permit issued to a Licensed Research Business authorizing it to co-locate with a commonly owned Medical Marijuana-Infused Products Manufacturer, Retail Marijuana Products Manufacturing Facility, Optional Premises Cultivation Operation, or Retail Marijuana Cultivation Facility pursuant to Rule M 1901. A separate R&D Co-Location Permit is required for each location at which a Licensed Research Business seeks to share a single Licensed Premises.

~~“RFID” means Radio Frequency Identification.~~

“Reasonable Cause” means just or legitimate grounds based in law and in fact to believe that the particular requested action furthers the purposes of the Medical Code and Retail Code or protects the public safety.

“Regulated Marijuana” means Medical Marijuana and Retail Marijuana. If the context requires, Regulated Marijuana includes Medical Marijuana Concentrate, Medical Marijuana-Infused Products, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Regulated Marijuana Business” means Medical Marijuana Businesses and Retail Marijuana Establishments.

“Regulated Marijuana Products” means Medical Marijuana-Infused Products and Retail Marijuana Products.

“Remediation” means the process by which ~~Regulated Medical~~ Marijuana flower or trim, which has failed microbial testing, is processed into Solvent-Based Medical Marijuana Concentrate, or into Solvent-Based Retail Marijuana Concentrate, and retested as required by these rules.

“Resealable” means that the Container maintains its Child-Resistant effectiveness for multiple openings.

“Research Project” means a discrete scientific endeavor to answer a research question or a set of research questions. A Research Project must include a description of a defined protocol, clearly articulated goal(s), defined methods and outputs, and a defined start and end date. The description must demonstrate that the Research Project will comply with all requirements in the M 1900 Series. All research and development conducted by a Licensed Research Business must be conducted in furtherance of an approved Research Project.

“Respondent” means a person who has filed a petition for declaratory order that the State Licensing Authority has determined needs a hearing or legal argument or a Licensee who is subject to an Order to Show Cause.

“Responsible Vendor Program Provider” means a Person offering an Approved Training Program, in accordance with section [44-11-1101](#), C.R.S., to Licensees seeking to be designated a responsible vendor.

“Restricted Access Area” means a designated and secure area within a Licensed Premises in [1\)](#) a Medical Marijuana Center where Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product are sold, possessed for sale, and displayed for sale, and where no one without a valid patient registry card is permitted, [and 2\) in a Retail Marijuana Store where Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product are sold, possessed for sale, and displayed for sale, and where no one under the age of 21 is permitted.](#)

“Retail Code” means the Colorado Retail Marijuana Code, found at sections 44-12-101 *et seq*, C.R.S.

“Retail Marijuana” means all parts of the plant of the genus cannabis whether growing or not, the seeds thereof, the resin extracted from any part of the plant, and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds, or its resin, including but not limited to Retail Marijuana Concentrate that is cultivated, manufactured, distributed, or sold by a licensed Retail Marijuana Establishment. “Retail Marijuana” does not include industrial hemp, nor does it include fiber produced from stalks, oil, or cake made from the seeds of the plant, sterilized seed of the plant which is incapable of germination, or the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink, or other product. Unless the context otherwise requires, Retail Marijuana Concentrate is considered Retail Marijuana and is included in the term “Retail Marijuana” as used in these rules.

“Retail Marijuana Concentrate” means a specific subset of Retail Marijuana that was produced by extracting Cannabinoids from Retail Marijuana. Categories of Retail Marijuana Concentrate include Water-Based Retail Marijuana Concentrate, Food-Based Retail Marijuana Concentrate, Solvent-Based Retail Marijuana Concentrate, and Heat/Pressure-Based Retail Marijuana Concentrate.

“Retail Marijuana Cultivation Facility” means an entity licensed to cultivate, prepare, and package Retail Marijuana and Transfer Retail Marijuana to Retail Marijuana Establishments, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Establishment” means a Retail Marijuana Store, a Retail Marijuana Cultivation Facility, a Retail Marijuana Products Manufacturing Facility, a Retail Marijuana Testing Facility, a Retail Marijuana Establishment Operator, or a Retail Marijuana Transporter.

“Retail Marijuana Establishment Operator” means an entity that holds a license from the State Licensing Authority to provide professional operational services to one or more Retail Marijuana Establishments for direct remuneration from the Retail Marijuana Establishment(s), which may include compensation based upon a percentage of the profits of the Retail Marijuana Establishment(s) being operated. A Retail Marijuana Establishment Operator contracts with Retail Marijuana Establishment(s) to provide operational services. A Retail Marijuana Establishment Operator’s contract with a Retail Marijuana Establishment does not in and of itself constitute ownership.

“Retail Marijuana Product” means a product that is comprised of Retail Marijuana and other ingredients and is intended for use or consumption, such as, but not limited to, edible product, ointments and tinctures.

“Retail Marijuana Products Manufacturing Facility” means an entity licensed to purchase Retail Marijuana; manufacture, prepare, and package Retail Marijuana Product; and Transfer Retail

Marijuana and Retail Marijuana Product to other Retail Marijuana Products Manufacturing Facilities, Retail Marijuana Stores, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Store” means an entity licensed to purchase Retail Marijuana from a Retail Marijuana Cultivation Facility and to purchase Retail Marijuana Product from a Retail Marijuana Products Manufacturing Facility and to Transfer Retail Marijuana and Retail Marijuana Product to consumers.

“Retail Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Retail Marijuana Transporter” means a Person that is licensed to transport Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products from one Retail Marijuana Establishment to another Retail Marijuana Establishment or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products at its Licensed Premises, but is not authorized to sell, give away, buy, or receive complimentary Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products under any circumstances. A Retail Marijuana Transporter does not include a Licensee that transports and distributes its own Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.

“RFID” means Radio Frequency Identification.

“Sample” means any item collected from a Medical-Regulated Marijuana Business and provided to a Medical Marijuana Testing Facility or Retail Marijuana Testing Facility for testing. The following is a non-exhaustive list of types of Samples: Medical Marijuana, Medical Marijuana-Infused Product, Medical Marijuana Concentrate, Retail Marijuana, Retail Marijuana Concentrate, Retail Marijuana Product, soil, growing medium, water, solvent or swab of a counter or equipment.

“Sampling Manager” means an Associated Key Owner Licensee or Key Licensee designated by an Optional Premises Cultivation Operation, or a Medical Marijuana-Infused Products Manufacturer, a Retail Marijuana Cultivation Facility, or a Retail Marijuana Products Manufacturer to receive Transfers of Sampling Units pursuant to Rules M 508 and M-606, and Rules R 507 and 606.

“Sampling Unit” means a unit of Medical-Regulated Marijuana, or Medical-Regulated Marijuana Products-Infused Product, or Medical Marijuana Concentrate Transferred to a Sampling Manager for purposes of quality control and product development pursuant to Rules M 508 and M-606, and sections 44-11-403(4) and 44-11-404(12), C.R.S., and Rules R 507 and 606, sections 44-12-403(6) and 44-12-404(10), C.R.S.-

“Security(ies)” means any note, stock, treasury stock, security future, security-based swap, bond, debenture, evidence of indebtedness, certificate of interest or participation in any profit-sharing agreement, collateral-trust certificate, preorganization certificate or subscription, transferable share, investment contract, voting-trust certificate, certificate of deposit for a security, fractional undivided interest in oil, gas, or other mineral rights, any put, call, straddle, option, or privilege on any security, certificate of deposit, or group index of securities (including any interest therein or based on the value thereof), or any put, call, straddle, option, or privilege entered into on a national securities exchange relating to foreign currency, or, in general, any interest or instrument commonly known as a “security,” or any certificate of interest or participation in, temporary or interim certificate for, receipt for, guarantee of, or warrant or right to subscribe to or purchase, any of the foregoing.

“Security Alarm System” means a device or series of devices, intended to summon law enforcement personnel during, or as a result of, an alarm condition. Devices may include hard-

wired systems and systems interconnected with a radio frequency method such as cellular or private radio signals that emit or transmit a remote or local audible, visual, or electronic signal; motion detectors, pressure switches, duress alarms (a silent system signal generated by the entry of a designated code into the arming station to indicate that the user is disarming under duress); panic alarms (an audible system signal to indicate an emergency situation); and hold-up alarms (a silent system signal to indicate that a robbery is in progress).

"Shell Company" means a registrant, other than an asset-backed issuer as defined in Item 1101(b) of Regulation AB, that has:

a. No or nominal operations; and

b. Either:

i. No or nominal operations;

ii. Assets consisting solely of cash and cash equivalents; or

iii. Assets consisting of any amount of cash and cash equivalents and nominal other assets.

"Shipping Container" means a hard-sided container with a lid or other enclosure that can be secured in place. A Shipping Container is used solely for the transport of Regulated Medical Marijuana, ~~Medical Marijuana Concentrate~~, or Regulated Medical Marijuana-Infused Product between Medical-Regulated Marijuana Businesses, a Medical Research Facility, or a Pesticide Manufacturer.

"Single-Serving Edible Retail Marijuana Product" means an Edible Retail Marijuana Product unit for sale to consumers containing no more than 10mg of active THC.

"Solvent-Based Medical Marijuana Concentrate" means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of a solvent approved by the Division pursuant to Rule M 605.

"Solvent-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of a solvent approved by the Division pursuant to Rule R 605.

"Standardized Graphic Symbol" means a graphic image or small design adopted by a Licensee to identify its business.

"State Licensing Authority" means the authority created for the purpose of regulating and controlling the licensing of the cultivation, manufacture, distribution, and Transfer of Medical Marijuana and Retail Marijuana in Colorado, pursuant to section 44-11-201, C.R.S.

"Support License" means a license for an individual-natural person who performs duties that support the Medical-Regulated Marijuana Business' operations. A Support Licensee is a person with less decision-making authority than a Key Licensee ~~and who is reasonably supervised by a Key Licensee or an Owner-Associated Key Licensee~~. Examples of individuals-persons who need this type of license include, but are not limited to, sales clerks or cooks.

"Temporary Appointee Registration" means a registration issued to a Court Appointee pursuant to section 44-11-401(1.5)(b), C.R.S.

"THC" means tetrahydrocannabinol.

"THCA" means tetrahydrocannabinolic acid.

“Test Batch” means a group of Samples that are derived from a single Harvest Batch, Production Batch, or Inventory Tracking System package, and that are collectively submitted to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility for testing purposes.

“Total THC” means the sum of the percentage by weight of THCA multiplied by 0.877 plus the percentage by weight of THC, i.e., Total THC = (% THCA x 0.877) + % THC.

“Transfer(s)(ed)(ing)” means to grant, convey, hand over, assign, sell, exchange, donate, or barter, in any manner or by any means, with or without consideration, any Regulated Medical Marijuana, Medical Marijuana Concentrate, or Regulated Medical Marijuana-Infused Product from one Licensee to another Licensee, or to a patient, or to a consumer. A Transfer includes the movement of Regulated Medical Marijuana, Medical Marijuana Concentrate, or Regulated Medical Marijuana-Infused Product from one Licensed Premises to another, even if both premises are contiguous, and even if both premises are owned by a single Person entity or individual or group of individuals Persons, and also includes a virtual Transfer that is reflected in the Inventory Tracking System, even if no physical movement of the Regulated Medical Marijuana, Medical Marijuana Concentrate, or Regulated Medical Marijuana-Infused Product occurs.

“Universal Symbol” means the image established by the Division and made available to Licensees through the Division’s website indicating the Regulated Medical Marijuana or Regulated Medical Marijuana-Infused Product contains marijuana.

“Unrecognizable” means marijuana or *Cannabis* plant material rendered indistinguishable from any other plant material.

“U.S. Person” means:

- a. Any natural person resident in the United States;
- b. Any partnership or corporation organized or incorporated under the laws of the United States;
- c. Any estate of which any executor or administrator is a U.S. natural person;
- d. Any trust of which any trustee is a U.S. natural person;
- e. Any agency or branch of a foreign entity located in the United States;
- f. Any non-discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary for the benefit or account of a U.S. natural person;
- g. Any discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary organized, incorporated, or (if a natural person) resident in the United States; and
- h. Any partnership or corporation if:
 - i. Organized or incorporated under the laws of any foreign jurisdiction; and
 - ii. Formed by a U.S. natural person principally for the purpose of investing in Owner’s Interests not registered under the Securities Act of 1933, unless it is organized or incorporated, and owned, by accredited investors (as defined in § 230.501(a)) who are not natural persons, estates or trusts.

Vegetative” means the state of the *Cannabis* plant during which plants do not produce resin or flowers and are bulking up to a desired production size for Flowering.

“Water-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting cannabinoids from Medical Marijuana through the use of only water, ice, or dry ice.

“Water-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of only water, ice, or dry ice.

M 200 Series – Licensing and Interests (Repealed effective August 1, 2019)

Basis and Purpose – M 201

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-301(3), 44-11-401(1)(a-f), 44-11-104, 44-11-304, 44-11-305, 44-11-307, 44-11-310, 44-11-311, 44-11-313, 44-11-401, and 24-76.5-103, C.R.S. The purpose of this rule is to establish that only materially complete applications for licenses or registrations, accompanied by all required fees, will be accepted and processed by the Division. The purpose of this rule is also to clarify that when an initial application is materially complete, but the Division determines further information is required before the application can be fully processed, the Applicant must provide the additional requested information within the time frame provided by the Division. Otherwise, the Division cannot act on the application in a timely manner, and the application may be denied.~~

M 201 – Application Process

A. General Requirements

- ~~1. All applications for licenses or registrations authorized pursuant to subsections 44-11-401(1) and (1.5), C.R.S., shall be made upon current forms prescribed by the Division.~~
- ~~2. A license or registration issued to a Medical Marijuana Business or an individual constitutes a revocable privilege. The burden of proving an Applicant's qualifications for licensure or registration rests at all times with the Applicant.~~
- ~~3. Each application shall identify the local licensing authority.~~
- ~~4. Applicants must submit a complete application to the Division before it will be accepted or considered.~~
 - ~~a. All applications must be complete and accurate in every material detail.~~
 - ~~b. All applications must include all attachments or supplemental information required by the current forms supplied by the Division.~~
 - ~~c. All applications must be accompanied by a full remittance for the whole amount of the application and license fees. See Rule M 207 – Schedule of Application Fees: Medical Marijuana Businesses; Rule M 208 – Schedule of Business License and Registration Fees: Medical Marijuana Businesses; Rule M 209 – Schedule of Business Renewal License and Registration Fees: Medical Marijuana Businesses; Rule M 210 – Schedule of Other Application Fees: All Licensees; Rule M 235 – Schedule of License Fees: Individuals; and Rule M 236 – Schedule of Renewal License Fees: Individuals.~~

- d. ~~All applications must include all information required by the Division related to the Applicant's proposed Direct Beneficial Interest Owners, Indirect Beneficial Interest Owners and Qualified Limited Passive Investors, and all other direct and indirect financial interests in the Applicant.~~
- e. ~~At a minimum, each Applicant for a new license or registration shall provide, at the time of application, the following information:~~
 - i. ~~For each Associated Key License Applicant, evidence of proof of lawful presence, citizenship, if applicable, residence, if applicable, and Good Moral Character as required by the current forms prescribed by the Division;~~
 - ii. ~~For each Medical Marijuana Business Applicant and each Associated Key License Applicant, all requested information concerning financial and management associations and interests of other Persons in the business;~~
 - iii. ~~If the Applicant for any license pursuant to the Medical Code is a Closely Held Business Entity it shall submit with the application:~~
 - A. ~~The Associated Key License applications for all of its shareholders, members, partners, officers and directors who do not already hold an Associated Key License;~~
 - B. ~~If the Closely Held Business Entity is a corporation, a copy of its articles of incorporation or articles of organization; evidence of authorization from the Colorado Secretary of State to do business within this State, and for each shareholder: his or her name, mailing address, state of residence and certification of Colorado residency for at least one officer and all officers with day-to-day operational control over the business;~~
 - C. ~~If the Closely Held Business Entity is a limited liability company, a copy of its articles of organization and its operating agreement; evidence of authorization from the Colorado Secretary of State to do business within this State, and for each member: his or her name, mailing address, state of residence and certification of Colorado residency for at least one officer and all officers with day-to-day operational control over the business; and~~
 - D. ~~If the Closely Held Business Entity is a general partnership, limited partnership, limited liability partnership, or limited liability limited partnership, a copy of the partnership agreement and, for each partner, his or her name, mailing address and state of residency and certification of Colorado residency for at least one officer and all officers with day-to-day operational control over the business.~~
 - iv. ~~For each Medical Marijuana Business Applicant and each Associated Key License Applicant, documentation establishing compliant return filing and payment of taxes related to any Medical Marijuana Business or Retail Marijuana Establishment in which such Applicant is, or was, required to file and pay taxes;~~
 - v. ~~For each Medical Marijuana Business Applicant and each Associated Key License Applicant, documentation verifying and confirming the funds~~

used to start and/or sustain the operation of the Medical or Retail Marijuana Establishment were lawfully earned or obtained;

vi. ~~Accurate floor plans for the premises to be licensed; and~~

vii. ~~The deed, lease, sublease, contract, or other document(s) governing the terms and conditions of occupancy of the premises to be licensed.~~

f. ~~At a minimum, each Applicant for a Court Appointee finding of suitability required by Rule M 253(A)(2), shall provide, at the time of application, the following information:~~

i. ~~A copy of the court order appointing the Court Appointee;~~

ii. ~~A statement affirming the Court Appointee complied with the certification required by section 44-11-401(1.5)(a), C.R.S.;~~

iii. ~~If the Court Appointee is an entity, a complete list of all individuals responsible for taking possession of, operating, managing, or controlling the licensed Medical Marijuana Business; and~~

iv. ~~A complete list of all Medical Marijuana Businesses and Retail Marijuana Establishments for which the Court Appointee was appointed and the respective dates during which the Court Appointee is currently serving, or has previously served, as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person.~~

5. ~~All applications to reinstate a license or registration will be deemed an application for a new license or registration. This includes, but is not limited to, Associated Key licenses that have expired, Medical Marijuana Business licenses or registrations that have been expired for more than 90 days, licenses or registrations that have been voluntarily surrendered, and licenses that have been revoked.~~

6. ~~The Division may refuse to accept an incomplete application.~~

~~B. Additional Information May Be Required.~~

1. ~~Upon request by the Division, an Applicant shall provide any additional information required to process and fully investigate the application. The additional information must be provided to the Division no later than seven days after the request is made unless otherwise specified by the Division.~~

2. ~~An Applicant's failure to provide the requested information by the Division deadline may be grounds for denial of the application.~~

~~C. Information Must Be Provided Truthfully. All Applicants shall submit information to the Division in a full, faithful, truthful, and fair manner. The Division may recommend denial of an application where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application or in connection with the Applicant's background investigation. This type of conduct may be considered as the basis for additional administrative action against the Applicant and it may also be the basis for criminal charges against the Applicant.~~

~~D. Application Forms Accessible. All application forms supplied by the Division and filed by an Applicant for a license, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code, or for any other state or local law enforcement purpose or as otherwise required by law.~~

~~E. Division Application Management and Local Licensure.~~

- ~~1. Repealed.~~
- ~~2. If the Division grants a license before the local licensing authority approves the application or grants a local license, the license will be conditioned upon local approval. Such condition will not be viewed as a denial pursuant to the Administrative Procedure Act. If the local licensing authority denies the application, the state license will be revoked.~~
- ~~3. An Applicant is prohibited from operating a Medical Marijuana Business prior to obtaining all necessary licenses, registrations or approvals from both the State Licensing Authority and the local licensing authority.~~
- ~~4. Each Financial Interest is void and of no effect unless and until approved by the Division. A Financial Interest shall not exercise any privilege associated with the proposed interest until approved by the Division. Any violation of this requirement may be considered a license or registration violation affecting public safety.~~

~~M 201.5 – Repealed effective January 1, 2017.~~

~~M 202 – Repealed effective January 1, 2017.~~

~~Basis and Purpose – M 202.1~~

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XX), 44-11-202(2)(a)(XXIV), 44-11-202(2)(a)(XXV), 44-11-104(4), 44-11-104(20), 44-11-304, 44-11-305, 44-11-307, 44-11-310, and 44-11-313 C.R.S. The purpose of this rule is to clarify the process to be followed when a Medical Marijuana Business applies to obtain financing or otherwise have a relationship with an Indirect Beneficial Interest Owner. This rule establishes that only materially complete Medical Marijuana Business applications for Indirect Beneficial Interest Owners, accompanied by all required fees, will be accepted and processed by the Division. This rule also clarified that when an initial application is materially complete and accepted, but the Division determines further information is required before the application can be fully processed, the Medical Marijuana Business Applicant must provide the additional requested information within the time frame provided by the Division. Otherwise, the Division cannot act on the application in a timely manner and the Medical Marijuana Business' application may be denied. The rule also sets forth requirements for the contents of the contract or Agreement between Medical Marijuana Businesses and Indirect Beneficial Interest Owners, which reflect basic legal requirements surrounding the relationship between the parties.~~

~~M 202.1 – Applications, Agreements, Contracts and Certifications Required for Indirect Beneficial Interest Owners: Medical Marijuana Businesses~~

- ~~A. Medical Marijuana Business Initiates Process. The Medical Marijuana Business seeking to obtain financing or otherwise establish any type of relationship with an Indirect Beneficial Interest Owner, including a Permitted Economic Interest, a Commercially Reasonably Royalty Interest Holder, a Profit-Sharing Plan Employee, or a Qualified Institutional Investor, must file all required documents with the Division, including any supplemental documents requested by the Division in the course of its review of the application.~~
- ~~B. General Requirements. The Medical Marijuana Business seeking approval of an Indirect Beneficial Interest Owner must meet the following requirements:~~
 - ~~1. All applications for approval of an Indirect Beneficial Interest Owner shall be made upon current forms prescribed by the Division.~~

2. ~~The burden of proving that a proposed Indirect Beneficial Interest Owner is qualified to hold such an interest rests at all times with the Medical Marijuana Business submitting the application.~~
3. ~~The Medical Marijuana Business applying for approval of any type of Indirect Beneficial Interest Owner must submit a complete application to the Division before it will be accepted or considered.~~
4. ~~All applications must be complete and accurate in every material detail.~~
5. ~~All applications must include all attachments or supplemental information required by the current forms supplied by the Division.~~
6. ~~All applications must be accompanied by a full remittance of the required fees.~~
7. ~~The Division may refuse to accept an incomplete application.~~
8. ~~The proposed holder of the Indirect Beneficial Interest is not a publicly traded company.~~
9. ~~Additional Information May Be Required~~
 - a. ~~Upon request by the Division, a Medical Marijuana Business applying to have any type of Indirect Beneficial Interest Owner shall provide any additional information required to process and fully investigate the application. The additional information must be provided to the Division no later than seven days after the request is made unless otherwise specified by the Division.~~
 - b. ~~Failure to provide the requested information by the Division's deadline may be grounds for denial of the application.~~
- C. ~~Information Must Be Provided Truthfully. A Medical Marijuana Business applying for approval of any type of Indirect Beneficial Interest Owner shall submit information to the Division in a full, faithful, truthful, and fair manner. The Division may recommend denial of an application where any party made misstatements, omissions, misrepresentations, or untruths in the application or in connection with the background investigation of the proposed Indirect Beneficial Interest Owner. This type of conduct may be considered as the basis for additional administrative action against the Medical Marijuana Business and it may also be the basis for criminal charges against either the Medical Marijuana Business Applicant or the Indirect Beneficial Interest Owner.~~
- D. ~~Application Forms Accessible. All application forms supplied by the Division and filed by an Applicant for a license, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code or for any other state or local law enforcement purpose, or as otherwise required by law.~~
- E. ~~Approval of Financial Interest. Each Financial Interest in a Medical Marijuana Business is void and of no effect unless and until approved by the Division. Any amendment of a Financial Interest is also void and of no effect unless and until approved by the Division.~~
- F. ~~Ongoing Qualification and Violation Affecting Public Safety. If at any time the Division finds any Indirect Beneficial Interest Owner is not qualified, or is no longer qualified, the Division may require the Medical Marijuana Business to terminate its relationship with and financial ties to the Indirect Beneficial Interest Owner within a specified time period. Failure to terminate such relationship and financial ties within the specified time period may constitute a violation affecting public safety and be a basis for administrative action against the Medical Marijuana Business.~~
- G. ~~Permitted Economic Interest Holder Requirements. At the time of application, a Medical Marijuana Business seeking to obtain approval of a Permitted Economic Interest shall provide~~

evidence to establish that the natural person seeking to become a Permitted Economic Interest holder is a lawful resident of the United States and shall provide documentation verifying and confirming the funds used for the Permitted Economic Interest were lawfully earned or obtained.

H. ~~Permitted Economic Interest Agreement Requirements.~~ The Medical Marijuana Business Applicant seeking to obtain financing from a Permitted Economic Interest must submit a copy of the Agreement between the Medical Marijuana Business and the person seeking to hold a Permitted Economic Interest. The following requirements apply to all Agreements:

1. ~~The Agreement must be complete, and must fully incorporate all terms and conditions.~~

2. ~~The following provisions must be included in the Agreement:~~

a. ~~Any interest in a Medical Marijuana Business, whether held by a Permitted Economic Interest or any other person, must be acquired in accordance with the provisions of the Medical Code and/or Retail Code, as applicable, and the rules promulgated thereunder. The issuance of any Agreement or other interest in violation thereof shall be void. The Permitted Economic Interest holder shall not provide funding to the Medical Marijuana Business until the Permitted Economic Interest is approved by the Division.~~

b. ~~No Agreement or other interest issued by the Medical Marijuana Business and no claim or charge therein or thereto shall be transferred except in accordance with the provisions of the Medical Code and/or Retail Code as applicable, and the rules promulgated thereunder. Any transfer in violation thereof shall be void.~~

c. ~~The Medical Marijuana Business and the Permitted Economic Interest holder must sign an affirmation of passive investment on a form approved by the Division.~~

d. ~~The Medical Marijuana Business must initiate any process to convert a Permitted Economic Interest to a Direct Beneficial Interest Owner and the process to convert the Permitted Economic Interest into a Direct Beneficial Interest Owner must be completed prior to the expiration or termination of the Agreement. The holder of the Permitted Economic Interest must meet all qualifications for licensure and ownership pursuant to the Medical Code and/or Retail Code and any rules promulgated thereunder prior to conversion of the Permitted Economic Interest to a Direct Beneficial Interest Owner.~~

e. ~~At the election of the Medical Marijuana Business, if the holder of the Permitted Economic Interest is not qualified for licensure as a Direct Beneficial Interest Owner but is qualified as a holder of the Permitted Economic Interest, and the Permitted Economic Interest is also approved by the Division then the Permitted Economic Interest may remain in force and effect for as long as it remains approved by the Division under the Medical Code and/or Retail Code as applicable, and any rules promulgated thereunder.~~

f. ~~The Permitted Economic Interest holder shall disclose in writing to the Division and to the Medical Marijuana Business any and all disqualifying events, within ten days after occurrence of the event, that could lead to a finding that the holder no longer qualifies to hold the Permitted Economic Interest and/or that could lead to a denial of licensure pursuant to the Medical Code and/or Retail Code and any rules promulgated thereunder.~~

g. ~~The Medical Marijuana Business shall disclose in writing to the Division any and all disqualifying events, within ten days after receiving notice of the event, which could lead to a finding that the holder is no longer qualified to hold the Permitted Economic Interest and/or that could lead to a denial of licensure pursuant to the~~

Medical Code and/or Retail Code as applicable, and any rules promulgated thereunder.

- ~~h. A Permitted Economic Interest holder's or a Medical Marijuana Business' failure to make required disclosures may be grounds for administrative action including but not limited to denial of a subsequent request to convert the Permitted Economic Interest into an ownership interest in the Medical Marijuana Business. Failure to make required disclosures may lead to a finding that the Permitted Economic Interest is no longer approved, and a requirement that the Medical Marijuana Business terminate its relationship with the Permitted Economic Interest holder.~~
- ~~i. The Permitted Economic Interest holder agrees and acknowledges that it has no entitlement or expectation of being able to invest in, or have a relationship with, the Medical Marijuana Business unless and until the Division determines the Permitted Economic Interest is approved. The Permitted Economic Interest holder agrees and acknowledges that its relationship with the Medical Marijuana Business is contingent upon Division approval. The Permitted Economic Interest holder understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, deny approval of the Permitted Economic Interest or find that the Permitted Economic Interest is no longer qualified. The Permitted Economic Interest Holder agrees and acknowledges it has no entitlement to or expectation of the Division approving the Permitted Economic Interest. The Permitted Economic Interest holder further agrees that any administrative or judicial review of a determination by the Division regarding the qualification or approval of the Permitted Economic Interest will only occur through licensing or enforcement proceedings involving the Medical Marijuana Business. The Permitted Economic Interest holder further agrees and acknowledges that the Permitted Economic Interest holder shall only be entitled to notice of a denial or administrative action concerning the Medical Marijuana Business if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Permitted Economic Interest holder. The Permitted Economic Interest holder also agrees and acknowledges that the Permitted Economic Interest holder may only request leave to intervene in an administrative proceeding against the Medical Marijuana Business, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Permitted Economic Interest holder. Furthermore, the Permitted Economic Interest holder agrees and acknowledges that the Permitted Economic Interest holder may only seek judicial review of an action against the Medical Marijuana Business, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Permitted Economic Interest Holder. THE PERMITTED ECONOMIC INTEREST HOLDER KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE PERMITTED ECONOMIC INTEREST BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE MEDICAL MARIJUANA BUSINESS, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE QUALIFICATIONS OR ACTIONS OF THE PERMITTED ECONOMIC INTEREST, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE MEDICAL MARIJUANA BUSINESS.~~

- ~~i. Commercially Reasonable Royalty Contract Requirements. A Medical Marijuana Business seeking to utilize the intellectual property of a Commercially Reasonable Royalty Interest Holder must submit a copy of the contract between the Medical Marijuana Business and the Person~~

seeking to hold a Commercially Reasonable Royalty. The following requirements apply to all such contracts:

1. ~~The contract must be complete, and must fully incorporate all terms and conditions.~~
2. ~~The following provisions must be included in the contract:~~
 - a. ~~Any interest in a Medical Marijuana Business, whether held by a Commercially Reasonable Royalty Interest Holder or any other Person, must be acquired in accordance with the provisions of the Medical Code and/or Retail Code, as applicable, and the rules promulgated thereunder. The issuance of any contract or other interest in violation thereof shall be void.~~
 - b. ~~No contract, royalty or other interest issued by the Medical Marijuana Business and no claim or charge therein or thereto shall be transferred except in accordance with the provisions of the Medical Code and/or Retail Code as applicable, and the rules promulgated thereunder. Any transfer in violation thereof shall be void.~~
 - c. ~~The Medical Marijuana Business and the Commercially Reasonable Royalty Interest Holder must sign an affirmation of passive investment on a form approved by the Division.~~
 - d. ~~The Commercially Reasonable Royalty Interest Holder shall disclose in writing to the Division and to the Medical Marijuana Business any and all disqualifying events, within ten days after occurrence of the event, that could lead to a finding that the Commercially Reasonable Royalty Interest Holder is not qualified to hold the Commercially Reasonable Royalty.~~
 - e. ~~The Medical Marijuana Business shall disclose in writing to the Division any and all disqualifying events, within ten days after receiving notice of the event, which would lead to a finding that the Commercially Reasonable Royalty Interest Holder is not qualified to hold the Commercially Reasonable Royalty.~~
 - f. ~~A Commercially Reasonable Royalty Interest Holder's or a Medical Marijuana Business' failure to make required disclosures may lead to a finding that the Commercially Reasonable Royalty is not approved, or is no longer approved, and may lead to a requirement that the Medical Marijuana Business terminate its relationship with the Commercially Reasonable Royalty Interest Holder.~~
 - g. ~~The Commercially Reasonable Royalty Interest Holder agrees and acknowledges that its relationship with the Medical Marijuana Business is contingent upon Division approval throughout the entire term of its relationship with the Medical Marijuana Business. The Commercially Reasonable Royalty Interest Holder understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, find that the Commercially Reasonable Royalty Interest Holder does not qualify or no longer qualifies. The Commercially Reasonable Royalty Interest Holder agrees and acknowledges it has no entitlement to or expectation to approval of the Commercially Reasonable Royalty.~~
 - h. ~~The Commercially Reasonable Royalty Interest Holder further agrees that any administrative or judicial review of a determination by the Division approving or denying the Commercially Reasonable Royalty will only occur through licensing or enforcement proceedings involving the Medical Marijuana Business. The Commercially Reasonable Royalty Interest Holder further agrees and acknowledges that the Commercially Reasonable Royalty Interest Holder shall only be entitled to notice of a denial or administrative action concerning the~~

~~Medical Marijuana Business if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Commercially Reasonable Royalty Interest Holder. The Commercially Reasonable Royalty Interest Holder also agrees and acknowledges that the Commercially Reasonable Royalty Interest Holder may only request leave to intervene in an administrative proceeding against the Medical Marijuana Business, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Commercially Reasonable Royalty Interest Holder. Furthermore, the Commercially Reasonable Royalty Interest Holder agrees and acknowledges that the Commercially Reasonable Royalty Interest Holder may only seek judicial review of an action against the Medical Marijuana Business, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Commercially Reasonable Royalty Interest Holder. THE COMMERCIALLY REASONABLE ROYALTY INTEREST HOLDER KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE COMMERCIALLY REASONABLE ROYALTY BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE MEDICAL MARIJUANA BUSINESS, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE QUALIFICATIONS OR ACTIONS OF THE COMMERCIALLY REASONABLE ROYALTY INTEREST HOLDER, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE MEDICAL MARIJUANA BUSINESS.~~

- ~~i. If the Division determines the Commercially Reasonable Royalty Interest Holder is not in compliance with the Medical Code, the Retail Code, or these rules, then the Medical Marijuana Business shall discontinue use of such Commercially Reasonable Royalty and associated intellectual property within thirty (30) days of the Division finding. The Medical Marijuana Business shall not pay any remuneration to a Commercially Reasonable Royalty Interest Holder that does not qualify under the Medical Code and these rules, including but not limited to Rule M-231.2(B).~~
- ~~j. The Commercially Reasonable Royalty Interest Holder shall neither exercise control over nor be positioned so as to enable the exercise of control over the Medical Marijuana Business. Notwithstanding the foregoing, a Commercially Reasonable Royalty Interest Holder may influence the marketing, advertising, labeling and display of any product or line of products for which the Commercially Reasonable Royalty exists so long as such influence is not inconsistent with the Medical Code or these rules.~~

~~J. Profit Sharing Plan Documents. A Medical Marijuana Business offering licensed employees a share of the profits through a Profit Sharing Plan must submit a list of all proposed participants in the Profit Sharing Plan along with their names, addresses and occupational license numbers and submit a copy of all documentation regarding the Profit Sharing Plan in connection with the Medical Marijuana Business' application:~~

- ~~1. The documents establishing the Profit Sharing Plan must be complete and must fully incorporate all terms and conditions.~~
- ~~2. The following provisions must be included in the documents establishing the Profit Sharing Plan:~~
 - ~~a. Any interest in a Medical Marijuana Business, whether held by a Profit Sharing Plan Employee or any other person, must be acquired in accordance with the provisions of the Medical Code and/or Retail Code, as applicable, and the rules~~

promulgated thereunder. The issuance of any contract or other interest in violation thereof shall be void. Any distributions from a Profit-Sharing Plan must be made in cash, not in the form of stock or other equity interests in the Medical Marijuana Business.

- b. ~~No contract or other interest issued by the Medical Marijuana Business and no claim or charge therein or thereto shall be transferred except in accordance with the provisions of the Medical Code and/or Retail Code as applicable, and the rules promulgated thereunder. Any transfer in violation thereof shall be void.~~
- c. ~~The Medical Marijuana Business shall disclose in writing to the Division any and all disqualifying events, within ten days after receiving notice of the event, which would lead to a finding that any Profit-Sharing Plan Employee does not qualify under the Medical Code and these rules, including but not limited to Rule M 231.2(B), to participate in the Profit-Sharing Plan.~~
- d. ~~A Profit-Sharing Plan Employee shall disclose in writing to the Division and to the Medical Marijuana Business any and all disqualifying events, within ten days after occurrence of the event that could lead to a finding that the Profit-Sharing Plan Employee does not qualify or no longer qualifies under the Medical Code and these rules, including but not limited to Rule M 231.2(B), to participate in the Profit-Sharing Plan.~~
- e. ~~A Medical Marijuana Business' or a Profit-Sharing Plan Employee's failure to make required disclosures may lead to a finding that the Profit-Sharing Plan is not approved, and may lead to a requirement that the Medical Marijuana Business terminate or modify the Profit-Sharing Plan.~~
- f. ~~The Profit-Sharing Plan Employee agrees and acknowledges that its relationship with the Medical Marijuana Business is contingent upon Division approval throughout the entire term of its relationship with the Medical Marijuana Business. The Profit-Sharing Plan Employee understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, deny approval of the Profit-Sharing Plan. The Profit-Sharing Plan Employee agrees and acknowledges he or she has no entitlement to or expectation to Division approval of the Profit-Sharing Plan or the Profit-Sharing Plan Employee's participation in the plan. The Profit-Sharing Plan Employee further agrees that any administrative or judicial review of a determination by the Division approving or denying the Profit-Sharing Plan or the Profit-Sharing Plan Employee will only occur through licensing or enforcement proceedings involving the Medical Marijuana Business. Each Profit-Sharing Plan Employee further agrees and acknowledges that the Profit-Sharing Plan Employee shall only be entitled to notice of a denial or administrative action concerning the Medical Marijuana Business if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Profit-Sharing Plan Employee. The Profit-Sharing Plan Employee also agrees and acknowledges that the Profit-Sharing Plan Employee may only request leave to intervene in an administrative proceeding against the Medical Marijuana Business, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Profit-Sharing Plan Employee. Furthermore, the Profit-Sharing Plan Employee agrees and acknowledges that the Profit-Sharing Plan Employee may only seek judicial review of an action against the Medical Marijuana Business, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Profit-Sharing Plan Employee. THE PROFIT-SHARING PLAN EMPLOYEE KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE PROFIT-~~

~~SHARING PLAN OR THE PROFIT SHARING PLAN EMPLOYEE BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE MEDICAL MARIJUANA BUSINESS, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE PROFIT SHARING PLAN OR THE PROFIT SHARING PLAN EMPLOYEE'S QUALIFICATIONS OR ACTIONS OF THE PROFIT SHARING PLAN EMPLOYEE, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE MEDICAL MARIJUANA BUSINESS.~~

K. ~~Qualified Institutional Investor Requirements. Before a Medical Marijuana Business may permit a Qualified Institutional Investor to own any portion of the Medical Marijuana Business, the Medical Marijuana Business must submit the following documentation to the Division in connection with the Medical Marijuana Business' application:~~

1. ~~A description of the Qualified Institutional Investor's business and a statement as to why the Qualified Institutional Investor meets the definition of Qualified Institutional Investor in Rule M 103 and subsection 44-11-307(7), C.R.S.~~

2. ~~A certification made under oath and the penalty of perjury by the Qualified Institutional Investor:~~

a. ~~That the ownership interests were acquired and are held for investment purposes only and were acquired and are held in the ordinary course of business as a Qualified Institutional Investor and not for the purposes of causing, directly or indirectly, the election of a majority of the board of directors, any change in the corporate charter, bylaws, management, policies, or operations of a Medical Marijuana Business.~~

b. ~~That the Qualified Institutional Investor is bound by and shall comply with the Medical Code and the rules adopted pursuant thereto, is subject to the jurisdiction of the courts of Colorado, and consents to Colorado as the choice of forum in the event any dispute, question, or controversy arises regarding the Qualified Institutional Investor's relationship with the Medical Marijuana Business or activities pursuant to the Medical Code and rules adopted pursuant thereto.~~

c. ~~The Qualified Institutional Investor agrees and acknowledges that its relationship with the Medical Marijuana Business is contingent upon Division approval throughout the entire term of its relationship with the Medical Marijuana Business. The Qualified Institutional Investor understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, deny approval of the Qualified Institutional Investor. The Qualified Institutional Investor agrees and acknowledges it has no entitlement to or expectation to Division approval of the Qualified Institutional Investor. The Qualified Institutional Investor further agrees that any administrative or judicial review of a determination by the Division approving or denying the Qualified Institutional Investor will only occur through licensing or enforcement proceedings involving the Medical Marijuana Business. The Qualified Institutional Investor further agrees and acknowledges that the Qualified Institutional Investor shall only be entitled to notice of a denial or administrative action concerning the Medical Marijuana Business if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Qualified Institutional Investor. The Qualified Institutional Investor also agrees and acknowledges that the Qualified Institutional Investor may only request leave to intervene in an administrative proceeding against the Medical Marijuana Business, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Qualified Institutional Investor. Furthermore, the Qualified Institutional Investor agrees and~~

acknowledges that the Qualified Institutional Investor may only seek judicial review of an action against the Medical Marijuana Business, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Qualified Institutional Investor. ~~THE QUALIFIED INSTITUTIONAL INVESTOR KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE QUALIFIED INSTITUTIONAL INVESTOR BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE MEDICAL MARIJUANA BUSINESS, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE QUALIFICATIONS OR ACTIONS OF THE QUALIFIED INSTITUTIONAL INVESTOR, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE MEDICAL MARIJUANA BUSINESS.~~

- d. ~~An explanation of the basis of the signatory's authority to sign the certification and to bind the Qualified Institutional Investor to its terms.~~
3. ~~The name, address, telephone number and any other information requested by the Division as required on its approved forms for the officers and directors, or their equivalent, of the Qualified Institutional Investor as well as those Persons that have direct control over the Qualified Institutional Investor's ownership interest in the Medical Marijuana Business.~~
4. ~~The name, address, telephone number and any other information requested by the Division as required on its approved forms for each Person who has the power to direct or control the Qualified Institutional Investor's voting of its shares in the Medical Marijuana Business.~~
5. ~~The name of each Person that beneficially owns five percent or more of the Qualified Institutional Investor's voting securities or other equivalent.~~
6. ~~A list of the Qualified Institutional Investor's affiliates.~~
7. ~~A list of all regulatory agencies with which the Qualified Institutional Investor files periodic reports, and the name, address, and telephone number of the individual, if known, to contact at each agency regarding the Qualified Institutional Investor.~~
8. ~~A disclosure of all criminal or regulatory sanctions imposed during the preceding ten years and of any administrative or court proceedings filed by any regulatory agency during the preceding five years against the Qualified Institutional Investor, its affiliates, any current officer or director, or any former officer or director whose tenure ended within the preceding 12 months. As to a former officer or director, such information need be provided only to the extent that it relates to actions arising out of or during such person's tenure with the Qualified Institutional Investor or its affiliates.~~
9. ~~A copy of any filing made under 16 U.S.C. § 18a with respect to the acquisition or proposed acquisition of an ownership interest in the Medical Marijuana Business.~~
10. ~~Any additional information requested by the Division.~~

M 202.5 – Repealed Effective January 1, 2017.

Basis and Purpose – M 203

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XX), 44-11-202(2)(a)(XXIV), 44-11-306(2)(c), 44-11-310(7), 44-11-104, and 44-11-311, C.R.S. The purpose of this rule is to establish how licenses can be renewed.~~

M 203—Process for Renewing a License: Medical Marijuana Businesses

A. ~~General Process for License Renewal.~~

- ~~1. The Division will send a notice for license renewal 90 days prior to the expiration of an existing license by first class mail to the Licensee's mailing address of record.~~
- ~~2. A Licensee may apply for the renewal of an existing license not less than 30 days prior to the license's expiration date. A renewal application filed not less than 30 days prior to expiration of the license is considered timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until a final agency action on the renewal application.~~
- ~~3. If the Licensee files a renewal application within less than 30 days prior to expiration, the Licensee must provide a written explanation detailing the circumstances surrounding the untimely filing. If the Division accepts the application, then the application is deemed timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until final agency action on the renewal application. 4. An application for renewal will only be accepted if it is accompanied by:
 - ~~a. The requisite licensing fees. See Rule M 209—Schedule of Business License Renewal Fees: Medical Marijuana Businesses.~~
 - ~~b. A copy of the local licensing authority's approval.~~~~
- ~~5. Each Direct Beneficial Interest Owner required to have an Associated Key License must be fingerprinted at least every two years, and may be fingerprinted more often at the Division's discretion.~~
- ~~6. The Division shall perform a limited background check, which may include fingerprinting, regarding Qualified Limited Passive Investors and other Financial Interests that are Indirect Beneficial Interest Owners. Where warranted by reasonable cause, the Division may require additional investigation.~~
- ~~7. For each renewal application, the Licensee shall submit the original application and one identical copy. The Division will retain the original renewal application and will send the copy to the local licensing authority.~~

B. ~~Failure to Receive a Notice for License Renewal.~~ Failure to receive a notice for license renewal does not relieve a Licensee of the obligation to renew all licenses as required.

C. ~~If License Not Renewed Before Expiration.~~ A license is immediately invalid upon expiration if the Licensee has not filed a renewal application and remitted all of the required fees.

- ~~1. Administratively Continued Medical Marijuana Business License. In the event of a renewal application filed after the license expiration date, a Medical Marijuana Business may not operate unless and until the Division in its discretion informs the Medical Marijuana Business Licensee that the license has been administratively continued. A Medical Marijuana Business whose license has been administratively continued may continue to operate until final agency action on the renewal application. Review of the renewal application will include, among other factors, a review of whether the Medical Marijuana Business operated with an expired license.~~
- ~~2. Repealed effective January 1, 2019.~~
- ~~3. The Division will not accept a renewal application filed more than 90 days after the expiration date of the license. The Division also will not renew any license that has been~~

voluntarily surrendered, or any license that has been revoked. A Medical Marijuana Business license that expired over 90 days prior to submission of the Medical Marijuana Business Licensee's renewal application, a license that has been voluntarily surrendered, and a license that has been revoked may only be reinstated via an application for a new license that is subsequently approved by the Division or the State Licensing Authority.

- ~~D. — Licenses Subject to Ongoing Discipline and/or Summary Suspension. Licenses that are the subject of a summary suspension, a disciplinary action, and/or any other administrative action are subject to the requirements of this Rule. Licenses that are not timely renewed shall expire. See Rules M-1301—Disciplinary Process: Non-Summary Suspension and M-1302—Disciplinary Process: Summary Suspensions.~~
- ~~E. — Closely Held Business Entity Direct Beneficial Interest Owners. Closely Held Business Entity Direct Beneficial Interest Owners must submit a current Division certification form, signed by all Direct Beneficial Interest Owner(s) of the Medical Marijuana Business certifying that each Associated Key License owner of the Closely Held Business Entity has maintained, and currently maintains, United States citizenship.~~
- ~~F. — Indirect Beneficial Interest Owners and Qualified Limited Passive Investors. At the time of renewal, a Medical Marijuana Business shall disclose any and all Indirect Beneficial Interest Owners and Qualified Limited Passive Investors that hold an interest in the Medical Marijuana Business. Additionally, the Medical Marijuana Business must present updated information regarding all Indirect Beneficial Interest Owners and Qualified Limited Passive Investors at the time the Medical Marijuana Business submits its renewal materials:~~
- ~~1. — Current Division Indirect Beneficial Interest Owners and Qualified Limited Passive Investors renewal disclosure forms;~~
 - ~~2. — Current Division form allowing the Division to investigate any Indirect Beneficial Interest Owner(s) and/or Qualified Limited Passive Investor(s) if the Division deems such investigation necessary. The form shall be signed by all Direct Beneficial Interest Owner(s) of the Medical Marijuana Business;~~
 - ~~3. — Permitted Economic Interest holders, at the discretion of the Division, may be required to submit new fingerprints;~~
 - ~~4. — Current Division certification form attesting that all Qualified Limited Passive Investor(s) and/or Indirect Beneficial Interest Owner(s) remain qualified under the Medical Code and these rules. The form shall be signed by all Direct Beneficial Interest Owner(s) of the Medical Marijuana Business;~~
 - ~~5. — For Permitted Economic Interest holder, current Division certification form, signed by all Direct Beneficial Interest Owner(s) of the Medical Marijuana Business and the particular Permitted Economic Interest holder, certifying that he or she has maintained, and currently maintains, lawful residence in the United States; and~~
 - ~~6. — For Qualified Limited Passive Investors, current Division certification form, signed by all Direct Beneficial Interest Owner(s) of the Medical Marijuana Business and the particular Qualified Limited Passive Investor, certifying that he or she has maintained, and currently maintains, United States citizenship.~~

~~Basis and Purpose — M-204~~

~~The statutory authority for this rule includes but is not limited to sections 44-11-104(1), 44-11-104(4), 44-11-104(20), 44-11-104(23), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(I), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXV), 44-11-310(7), (8)(a), and (11), 44-11-601(1), 44-11-307, 44-11-313, and 44-11-901, C.R.S. The purpose of this rule is to provide clarity regarding the nature of a Direct Beneficial Interest Owner and an Indirect Beneficial Interest Owner, and to clarify what factors the State Licensing~~

Authority generally considers regarding the same. The Division will review all relevant information to determine ownership of a Medical Marijuana Business.

M-204 — Ownership Interests of a License: Medical Marijuana Businesses

A. ~~Licenses Held By Direct Beneficial Interest Owners. Each Medical Marijuana Business license must be held by its Direct Beneficial Interest Owner(s). Each natural person other than a Qualified Limited Passive Investor must hold an Associated Key License. A Direct Beneficial Interest Owner shall not be a publicly traded company.~~

B. ~~100% Ownership.~~

1. ~~The sum of the percentages of ownership of all Direct Beneficial Interest Owners of a Medical Marijuana Business and Qualified Institutional Investors must equal 100%.~~

a. ~~Qualified Institutional Investors may hold ownership interests, in the aggregate, of 30% or less in the Medical Marijuana Business.~~

b. ~~A Qualified Limited Passive Investor must be a natural person who is a United States citizen and may hold an ownership interest of less than five percent in the Medical Marijuana Business.~~

c. ~~Each Direct Beneficial Interest Owner, including but not limited to each officer, director, managing member, or partner of a Medical Marijuana Business, must hold a current and valid Associated Key License. See Rule M-233 — Retail Code or Medical Code Occupational Licenses Required. Except that this requirement shall not apply to Qualified Limited Passive Investors.~~

d. ~~With the exception of Qualified Institutional Investors, only Direct Beneficial Interest Owners may hold a partnership interest, limited or general, a joint venture interest, or ownership of a share or shares in a corporation or a limited liability company which is licensed.~~

2. ~~Death, Disability, Divestment, Revocation or Suspension of Less than 100% of All Direct Beneficial Interest Owners. In the event of death, disability, divestment, revocation, or suspension of less than one hundred percent of all Direct Beneficial Interest Owners, the following provisions apply.~~

a. ~~In the event of the death or disability of a Direct Beneficial Interest Owner see Rule M-253 — Temporary Appointee Registrations for Count Appointees.~~

b. ~~A Medical Marijuana Business shall submit a change of ownership application within forty-five (45) days of entry of a final court order or final arbitration award or full execution of a settlement agreement that alters the ownership structure of the Medical Marijuana Business. Any change of ownership application based on a final court order, final arbitration award, or fully executed settlement agreement shall include a copy of the order or settlement agreement and remains subject to approval by the Division. If a change of ownership application is not timely submitted, the Medical Marijuana Business and its Associated Key Licensee(s) may be subject to administrative action.~~

c. ~~In the event of the suspension of the license of a Direct Beneficial Interest Owner, either (i) the Medical Marijuana Business shall comply with all requirements of Rule M-1302 — Disciplinary Process: Summary Suspensions, or (ii) the non-suspended Associated Key Licensee(s) must control the Medical Marijuana Business without any participation by the suspended Direct Beneficial Interest Owner.~~

- d. ~~In the event of revocation of the license of a Direct Beneficial Interest Owner, a Medical Marijuana Business shall have forty-five (45) days, unless extended after a showing of good cause by the Medical Marijuana Business, to submit a change of ownership application to the Division detailing the Licensee's plan for redistribution of ownership among the remaining Direct Beneficial Interest Owners. Such plan is subject to approval by the Division. If a change of ownership application is not timely submitted, the Medical Marijuana Business and its remaining Associated Key Licensee(s) may be subject to administrative action.~~
- C. ~~At Least One Associated Key License Required. No Medical Marijuana Business may operate or be licensed unless it has at least one Associated Key Licensee that is a Direct Beneficial Interest Owner who has been a Colorado resident for at least one year prior to application. Any violation of this requirement may be considered a license violation affecting public safety.~~
- D. ~~Loss Of Occupational License As An Owner Of Multiple Businesses. If an Associated Key License is suspended or revoked as to one Medical Marijuana Business or Retail Marijuana Establishment, that Owner's Occupational License shall be suspended or revoked as to any other Medical Marijuana Business or Retail Marijuana Establishment in which that Person possesses an ownership interest. See Rule M 233—Medical Code or Retail Code Occupational Licenses Required.~~
- E. ~~Management Companies. Any Person contracted to manage the overall operation of a Licensed Premises must hold a Medical Marijuana Operator license.~~
- F. ~~Role of Managers. Associated Key Licensees may hire managers, and managers may be compensated on the basis of profits made, gross or net. A Medical Marijuana Business license may not be held in the name of a manager who is not a Direct Beneficial Interest Owner. A manager who does not hold an Associated Key License as a Direct Beneficial Interest Owner of the Medical Marijuana Business, must hold a Key License as an employee of the Medical Marijuana Business. Any change in manager must be reported to the Division and any local licensing authority before the new manager begins managing the Medical Marijuana Business. Additionally, a Medical Marijuana Operator may include management services as part of the operational services provided to a Medical Marijuana Business. A Medical Marijuana Business and its Direct Beneficial Interest Owners may be subject to license denial or administrative action, including but not limited to, fine, suspension or revocation of their license(s), based on the acts and omissions of any manager, Medical Marijuana Business Operator, or agents and employees thereof engaged in the operations of the Medical Marijuana Business.~~
- G. ~~Prohibited Third-Party Acts. No Licensee may employ, contract with, hire, or otherwise retain any Person, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit if the Licensee is prohibited by law or these rules from engaging in such conduct itself.~~
1. ~~A Licensee may be held responsible for all actions and omissions of any Person the Licensee employs, contacts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.~~
 2. ~~A Licensee may be subject to license denial or administrative action, including but not limited to fine, suspension, or revocation of its license(s), based on the act and/or omissions of any Person the Licensee employs, contacts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.~~

Basis and Purpose—M 204.5

The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(I), 44-11-202(2)(a)(XX), 44-11-202(2)(a)(XXIV), 44-11-202(2)(a)(XXV), 44-12-202(3)(a)(XVII), 44-11-104(1), 44-11-104(4), 44-11-304, 44-11-306, 44-11-307, 44-11-309, 44-11-310, 44-11-311, and 44-11-313, C.R.S. The purpose of this rule is to clarify the application, review and approval process for various types of Business Interests. The Division will review all relevant information to determine ownership of, interests in, and control of a Medical Marijuana Business.

M 204.5—Disclosure, Approval and Review of Business Interests

- A. ~~Business Interests.~~ A Medical Marijuana Business shall disclose all Business Interests at the time of initial application and at the time of each renewal application. Business Interests include Financial Interests and Affiliated Interests. Any Financial Interest must be pre-approved by the Division. It shall be unlawful to fail to completely report all Business Interests in each license issued. It shall be unlawful for a person other than a Financial Interest holding an Associated Key License to exercise control over a Medical Marijuana Business or to be positioned so as to enable the exercise of control over a Medical Marijuana Business. Except that a Qualified Institutional Investor and a Qualified Limited Passive Investor may vote his, her or its shares in the Medical Marijuana Business.
- B. ~~Financial Interests.~~ A Medical Marijuana Business shall not permit any Person to hold or exercise a Financial Interest in the Medical Marijuana Business unless and until such Person's Financial Interest has been approved by the Division. If a Medical Marijuana Business wishes to permit a Person to hold or exercise a Financial Interest, and that Person has not been previously approved in connection with an application for the Medical Marijuana Business, the Medical Marijuana Business shall submit a change of ownership or financial interest form approved by the Division. A Financial Interest shall include:
1. ~~Any Direct Beneficial Interest Owner;~~
 2. ~~The following types of Indirect Beneficial Interest Owners:~~
 - a. ~~A Commercially Reasonable Royalty Interest Holder who receives, in the aggregate, a royalty of more than 30 percent; and~~
 - b. ~~A Permitted Economic Interest holder.~~
 3. ~~Control.~~ Any other natural person who exercises control or is positioned so as to enable the exercise of control over the Medical Marijuana Business must hold an Associated Key License. To determine if a Person exercises control or is positioned so as to enable the exercise of control over a Medical Marijuana Business within the meaning of the Medical Marijuana Rules, the Division will consider the following non-exhaustive factors:
 - a. ~~The Person bears the risk of loss and opportunity for profit;~~
 - b. ~~The Person has final decision making authority over any material aspect of the operation of the Medical Marijuana Business;~~
 - c. ~~The Person manages the overall operations of a Medical Marijuana Business or its Licensed Premises, or who manages a material portion of the Medical Marijuana Business or its Licensed Premises;~~
 - d. ~~The Person guarantees the Medical Marijuana Business' debts or production levels;~~
 - e. ~~The Person is a beneficiary of the Medical Marijuana Business' insurance policies;~~

- f. ~~_____ The Person receives the majority of the Medical Marijuana Business' profits as compared to other recipients of the Medical Marijuana Business' profits; or~~
 - g. ~~_____ The Person acknowledges liability for the Medical Marijuana Business' federal, state or local taxes.~~
 - 4. ~~_____ Subparagraph 3 of this Rule does not apply where inconsistent with the Rule M 1700 Series — Medical Marijuana Business Operators.~~
- C. ~~_____ Affiliated Interests. A Medical Marijuana Business shall disclose all Affiliated Interests in connection with each application for licensure, renewal or reinstatement of the Medical Marijuana Business. The Division may conduct such background investigation as it deems appropriate regarding Affiliated Interests. An Affiliated Interest shall include any Person who does not hold a Financial Interest in the Medical Marijuana Business and who has any of the following relationships with the Medical Marijuana Business:~~
 - 1. ~~_____ The following Indirect Beneficial Interest Owners:~~
 - a. ~~_____ A Commercially Reasonable Royalty Interest Holder who receives, in the aggregate, a royalty of 30 percent or less;~~
 - b. ~~_____ A Profit-Sharing Plan Employee; and~~
 - c. ~~_____ A Qualified Institutional Investor.~~
 - 2. ~~_____ Any other Person who holds any other disclosable interest in the Medical Marijuana Business other than a Financial Interest. Such disclosable interests shall include but shall not be limited to an indirect financial interest, a lease agreement, a secured or unsecured loan, or security interest in fixtures or equipment with a direct nexus to the cultivation, manufacture, Transfer, transportation, testing, or researching of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Products. If the Division determines any Person disclosed as an Affiliated Interest should have been pre-approved as a Financial Interest, approval and further background investigation may be required. Additionally, the failure to seek pre-approval of a Financial Interest holder may form the basis for license denial or administrative action against the Medical Marijuana Business.~~
- D. ~~_____ Secured Interest In Marijuana Prohibited. No Person shall at any time hold a secured interest in Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product.~~

Basis and Purpose — M 205

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XX), 44-11-202(2)(a)(XXIV), 44-11-202(2)(a)(XXV), 44-11-310(7), 44-11-310(11), 44-11-104, 44-11-304, 44-11-305, 44-11-309, 44-11-406, and 24-76.5-101 et seq., C.R.S. The purpose of this rule is to establish protocol for ownership transfers. In addition, the rule clarifies that a business cannot use the transfer of ownership process in order to circumvent the administrative disciplinary process and that an ongoing investigation or disciplinary action may: (1) constitute grounds to deny a transfer of ownership request; (2) constitute grounds to delay a transfer of ownership request, or (3) mandate that the new business owner is responsible for any imposed sanction.~~

M 205 — Transfer of Ownership and Changes in Business Structure: Medical Marijuana Businesses

A. _____ General Requirements

- 1. ~~_____ All applications for transfers of Direct Beneficial Interest Owners or changes in corporate structure by licensed Medical Marijuana Businesses authorized pursuant to section 44-~~

11-401, C.R.S., shall be made upon current forms prescribed by the Division. Each application shall identify the relevant local licensing authority.

- ~~2. All applications for transfers of ownerships and changes in licensed entities by Medical Marijuana Businesses must include application fees, be complete in every material detail, and be filled out truthfully.~~
- ~~3. All applications for transfers of ownership and changes in licensed entities by Medical Marijuana Businesses must be submitted to the State Licensing Authority or its designee and relevant local licensing authority 30 days prior to any requested transfer or change.~~
- ~~4. Each Applicant for a transfer of ownership shall provide suitable evidence as required by the Division, in accordance with these rules and the Medical Code, of each natural person's proof of lawful presence, citizenship, residence, good character and reputation and verification that funds used to invest in or finance the Medical Marijuana Business were lawfully earned or obtained. Each Applicant shall also provide all requested information concerning financial and management associations and interests of other Persons in the business, Department of Revenue tax payment information, the deed, lease, contract, or other document governing the terms and conditions of occupancy of the Licensed Premises. Nothing in this section is intended to limit the Division's ability to request additional information it deems necessary to determining an Applicant's suitability for licensure.~~
- ~~5. Failure to provide such additional information by the requested deadline may result in denial of the application.~~
- ~~6. The Applicant shall provide the original and one copy of an application for transfer of ownership to the Division. The Division will retain the original application and send the copy to the relevant local licensing authority. See Rule M 1401—Instructions for Local Licensing Authorities and Law Enforcement Officers.~~
- ~~7. The Division will not approve a transfer of ownership application without first receiving written notification that the Applicant disclosed the transfer of ownership to the relevant local licensing authority. If a local licensing authority elects not to approve or deny a transfer of ownership application, the local licensing authority must provide written notification acknowledging receipt of the application and the State Licensing Authority shall revoke the state-issued license.~~
- ~~8. The Applicant(s), or proposed transferee(s), for any license shall not operate the Medical Marijuana Business identified in the transfer of ownership application until the transfer of ownership request is approved in writing by the Division. A violation of this requirement shall constitute grounds to deny the transfer of ownership request, may be a violation affecting public safety, and may result in disciplinary action against the Applicant's existing license(s), if applicable.~~
- ~~9. All current Direct Beneficial Interest Owner(s), or proposed transferor(s), of the license(s) at issue retain full responsibility for the Medical Marijuana Business identified in the transfer of ownership application until the transfer of ownership request is approved in writing by the Division. A violation of this requirement shall constitute grounds to deny the transfer of ownership request, may be a violation affecting public safety, and may result in disciplinary action against the license(s) of the current Direct Beneficial Interest Owner(s) and/or the Medical Marijuana Business.~~
- ~~10. If a Medical Marijuana Business or any of its Direct Beneficial Interest Owners applies to transfer ownership and is involved in an administrative investigation or administrative disciplinary action, the following may apply:~~

- a. ~~The transfer of ownership may be delayed or denied until the administrative action is resolved; or~~
 - b. ~~If the transfer of ownership request is approved in writing by the Division, the transferee may be responsible for the actions of the Medical Marijuana Business and its prior Direct Beneficial interest Owners, and subject to discipline based upon the same.~~
11. ~~Licensee Initiates Change of Ownership for Permitted Economic Interests. All individuals holding a Permitted Economic Interest who seek to convert to become a Direct Beneficial Interest Owner are subject to this Rule M-205. The Medical Marijuana Business must initiate the change of ownership process for an individual holding a Permitted Economic Interest who seeks to convert its interest to become a Direct Beneficial Interest Owner. Permitted Economic Interest holders who are not qualified to become a Direct Beneficial Interest Owner shall not be allowed to convert.~~
12. ~~Medical Marijuana Transporters Not Eligible. Medical Marijuana Transporters are not eligible to apply for change of ownership.~~

B. ~~As It Relates to Corporations and Limited Liability Companies~~

- 1. ~~If the Applicant is a corporation or limited liability company, it shall submit with the application the names, mailing addresses, and background forms of all of its officers, directors, and Direct and Indirect Beneficial Interest Owners; a copy of its articles of incorporation or articles of organization; and evidence of its authorization to do business within this State. In addition, each Applicant shall submit the names, mailing addresses, and where applicable, certifications of residency or citizenship for all Persons owning any of the outstanding or issued capital stock, or holding a membership interest. No publicly traded company may be identified as the proposed recipient of any ownership interest in a Medical Marijuana Business.~~
- 2. ~~Any proposed transfer of capital stock, regardless of the number of shares of capital stock transferred, shall be reported and approved by the State Licensing Authority or its designee and the local licensing authority at least 30 days prior to such transfer or change.~~

C. ~~As It Relates to Partnerships. If the Applicant is a general partnership, limited partnership, limited liability partnership, or limited liability limited partnership, it shall submit with the application the names, mailing addresses, and background forms and, where applicable, certification of residency or citizenship for all of its partners and a copy of its partnership agreement.~~

D. ~~As It Relates to Entity Conversions. Any Licensee that qualifies for an entity conversion pursuant to sections 7-90-201 et seq., C.R.S., shall not be required to file a transfer of ownership application pursuant to section 44-11-309, C.R.S., upon statutory conversion, but shall submit a report containing suitable evidence of its intent to convert at least 30 days prior to such conversion. Such evidence shall include, but not be limited to, any conversion documents or agreements for conversion at least ten days prior to the date of recognition of conversion by the Colorado Secretary of State. The Licensee shall submit to the Division the names and mailing addresses of any officers, directors, general or managing partners, and all Direct and Indirect Beneficial Interest Owners.~~

E. ~~Approval Required. It may be considered a license violation affecting public safety if a Licensee engages in any transfer of ownership without prior approval from the Division and the relevant local licensing authority.~~

F. ~~Applications for Reinstatements Deemed New Applications. The Division will not accept an application for transfer of ownership if the license to be transferred is expired for more than 90 days, is voluntarily surrendered, or is revoked. See Rule M-201—Application Process.~~

Basis and Purpose – M-206

The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), and 44-11-310(13), C.R.S. The purpose of this rule is to clarify the application process for changing location of a Licensed Premises.

M-206 – Changing Location of the Licensed Premises: Medical Marijuana Businesses

A. Application Required to Change Location of Licensed Premises

1. ~~A Direct Beneficial Interest Owner of a Medical Marijuana Business seeking to change the physical location or address of its Licensed Premises must make application to the Division for permission to change location of its Licensed Premises.~~
2. ~~Such application shall:~~
 - a. ~~Be made upon current forms prescribed by the Division;~~
 - b. ~~Be complete in every material detail and include remittance of all applicable fees;~~
 - c. ~~Be submitted at least 30 days prior to the proposed change;~~
 - d. ~~Explain the reason for requesting such change;~~
 - e. ~~Be supported by evidence that the application complies with any local licensing authority requirements; and~~
 - f. ~~Contain a report of the relevant local licensing authority(ies) in which the Medical Marijuana Business is to be situated, which report shall demonstrate the approval of the local licensing authority(ies) with respect to the new location.~~

B. Permit Required Before Changing Location

1. ~~No change of location shall be permitted until after the Division considers the application, and such additional information as it may require, and issues to the Applicant a permit for such change.~~
2. ~~The permit shall be effective on the date of issuance, and the Licensee shall, within 120 days, change the location of its business to the place specified therein and at the same time cease to operate a Medical Marijuana Business at the former location. At no time may a Medical Marijuana Business operate or exercise any of the privileges granted pursuant to the license in both locations. For good cause shown, the 120-day deadline may be extended for an additional 120 days. If the Licensee does not change the location of its business within the time period granted by the Division, including any extension, the Licensee shall submit a new application, pay the requisite fees and receive a new permit prior to completing any change of the location of the business.~~
3. ~~The permit shall be conspicuously displayed at the new location, immediately adjacent to the license to which it pertains.~~
4. ~~Repealed.~~

C. General Requirements

1. ~~Repealed.~~

2. ~~An Applicant for change of location shall file a change of location application with the Division and pay the requisite change of location fee. See Rule M 207—Schedule of Other Application Fees: All Licensees.~~

~~Basis and Purpose—M 207~~

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XX), 44-11-202(2)(a)(XXIV), 44-11-401(1)(a-f), 44-11-104, 44-11-310, 44-11-401, 44-11-501, and 44-11-502, C.R.S. The purpose of this rule is to clarify the schedules of application fees for Medical Marijuana Business Applicants.~~

~~M 207—Schedule of Application Fees: Medical Marijuana Businesses~~

~~A. Base Medical Marijuana Application Fees~~

1. ~~Medical Marijuana Center Application Fees~~
 - a. ~~Type 1 Center (1-300 patients) —\$6,000.00~~
 - b. ~~Type 2 Center (301-500 patients) —\$10,000.00~~
 - c. ~~Type 3 Center (501 or more patients) —\$14,000.00~~
2. ~~Medical Marijuana Infused Products Manufacturer Application Fee —\$1,000.00~~
3. ~~Optional Premises Cultivation Operation Application Fee —\$1,000.00~~
4. ~~Medical Marijuana Testing Facility Application Fee —\$1,000.00~~
5. ~~Medical Marijuana Transporter Application Fee —\$1,000.00~~
6. ~~Medical Marijuana Business Operator Application Fee —\$1,000.00~~
7. ~~Medical Marijuana Businesses Converting to Retail Marijuana Establishments. Medical Marijuana Center Applicants or Licensees that want to convert to Retail Marijuana Establishments should refer to 1 CCR 212-2, Rule R 207—Schedule of Application Fees: Retail Marijuana Establishments.~~
8. ~~Marijuana Research and Development Facility Application Fee —\$1,000.00~~
9. ~~Marijuana Research and Development Cultivation Application Fee —\$2,000.00~~

~~B. Medical Marijuana Business Application Fees for Indirect Beneficial Interest Owners, Qualified Limited Passive Investors and Other Affiliated Interests~~

1. ~~Affiliated Interest that is not an Indirect Beneficial Interest Owner —\$200.00~~
2. ~~Commercially Reasonable Royalty Interest Holder receiving, in the aggregate, a royalty of more than 30 percent —\$400.00~~
3. ~~Commercially Reasonable Royalty Interest Holder receiving, in the aggregate, a royalty of 30 percent or less —\$200.00~~
4. ~~Permitted Economic Interest —\$400.00~~
5. ~~Employee Profit Sharing Plan —\$200.00~~

6. ~~Qualified Limited Passive Investor~~

a. ~~Standard limited initial background check — \$75.00~~

b. ~~Full background check for reasonable cause — \$125.00~~

7. ~~Qualified Institutional Investor — \$200.00~~

C. ~~When Application Fees Are Due. All application fees are due at the time a Medical Marijuana Business submits an application and/or at the time a Medical Marijuana Business submits an application for a new Financial Interest.~~

Basis and Purpose — M-208

The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-302(5)(b), 44-11-310, 44-11-401(1)(a-f), 44-11-501, and 44-11-502, C.R.S. The purpose of this rule is to establish basic requirements for all Division applications and help the regulated community understand procedural licensing and registration requirements.

M-208 — Schedule of Business License and Registration Fees: Medical Marijuana Businesses

A. ~~Medical Marijuana Center License Fees~~

1. ~~Type 1 Center (1-300 patients) — \$3,000.00~~

2. ~~Type 2 Center (301-500 patients) — \$6,000.00~~

3. ~~Type 3 Center (501 or more patients) — \$8,000.00~~

B. ~~Medical Marijuana Infused Products Manufacturer License Fee — \$1,500.00~~

C. ~~Optional Premises Cultivation Operation Class 1 (1-500 plants) License Fee — \$1,500.00~~

C.5 ~~Expanded Production Management License Fees for Licensees who apply and are approved by the Division pursuant to Rule M-507(E) for increased production management class:~~

1. ~~Expanded Production Management Class 2 (501-1,500 plants) License Fee — \$1,000.00~~

2. ~~Expanded Production Management Class 3 (1,501-3,000 plants) License Fee — \$2,500.00~~

3. ~~Expanded Production Management License Fee for each class of 3,000 plants over Class 3 — \$2,500.00 plus an additional \$1,000.00 for each class of 3,000 plants over Class 3.~~

D. ~~Medical Marijuana Testing Facility License Fee — \$1,500.00~~

E. ~~Medical Marijuana Transporter License Fee — \$4,400.00~~

F. ~~Medical Marijuana Business Operator License Fee — \$2,200.00~~

F.2 ~~Marijuana Research and Development Facility License Fee — \$1,500.00~~

F.3 ~~Marijuana Research and Development Cultivation License Fee — \$1,500.00~~

G. ~~When License and Registration Fees Are Due. All license and registration fees are due at the time an application is submitted.~~

H. ~~If Application is Denied.~~ If an application is denied, an Applicant may request that the State Licensing Authority refund the license or registration fee after the denial appeal period has lapsed or after the completion of the denial appeal process, whichever is later.

~~Basis and Purpose—M 209~~

The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-310, 44-11-401, 44-11-501, and 44-11-502, C.R.S. The purpose of this rule is to establish basic requirements for all Division applications and help the regulated community understand procedural licensing requirements.

~~M 209—Schedule of Business License and Registration Renewal Fees: Medical Marijuana Businesses~~

A. ~~Renewal Fee Amount and Due Date.~~ In addition to the Medical Marijuana Business specific renewal fee, all Licensees shall pay a renewal fee of \$300 for each renewal application. Renewal license and processing fees are due at the time the renewal application is submitted.

B. ~~Medical Marijuana Center Renewal Fees.~~

1. ~~Type 1 Center—\$2,000.00~~

2. ~~Type 2 Center—\$5,000.00~~

3. ~~Type 3 Center—\$7,000.00~~

B.2. ~~Medical Marijuana Infused Products Manufacturer—\$1,500.00~~

B.3. ~~Optional Premises Cultivation Operation—Class 1 Optional Premises Cultivation Operation (1-500 plants)—\$1,500.00~~

1. ~~Expanded Production Management Renewal Fees for Applicants with an increased production management class approved by the Division pursuant to Rule M 507(E). In addition to the fee in subparagraph (B.3), the following fees apply for each expanded production management class:~~

a. ~~Expanded Production Management Renewal Fee for Class 2 (501-1,500 plants)—\$800.00~~

b. ~~Expanded Production Management Renewal Fee for Class 3 (1,501-3,000 plants)—\$2,000.00~~

c. ~~Expanded Production Management Renewal Fee for each class of 3,000 plants over Class 3—\$2,000.00 plus an additional \$800.00 for each class of 3,000 plants over Class 3~~

B.5 ~~Medical Marijuana Testing Facility—\$1,500.00~~

C. ~~Medical Marijuana Transporter License—\$4,400.00~~

D. ~~Medical Marijuana Business Operator License—\$2,200.00~~

D.2 ~~Marijuana Research and Development Facility License Fee—\$1,500.00~~

D.3 ~~Marijuana Research and Development Cultivation License Fee—\$1,500.00~~

E. ~~If Renewal Application is Denied.~~ If an application for renewal is denied, an Applicant may request that the State Licensing Authority refund the license or registration fee after the denial appeal period has lapsed or after the completion of the denial appeal process, whichever is later.

Basis and Purpose – M 210

The statutory authority for this rule includes but is not limited to sections ~~44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(c), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-104, 44-11-310, 44-11-401, 44-11-501, 44-11-502, 44-11-1101, 44-11-1102, and 44-11-202(2)(a)(XXVI), C.R.S.~~ The purpose of this rule is to establish basic requirements for all Division applications and help the regulated community understand procedural licensing requirements.

M 210 – Schedule of Other Application Fees: All Licensees

A. ~~Other Application Fees.~~ The following other application fees apply:

1. ~~Transfer of Ownership – New Owners – \$1,600.00~~
2. ~~Transfer of Ownership – Reallocation of Ownership – \$1,000.00~~
3. ~~Change of Corporation or LLC Structure – \$800.00~~
4. ~~Change of Trade Name – \$50.00~~
5. ~~Change of Location Application Fee – \$500.00~~
6. ~~Modification of Licensed Premises – \$100.00~~
7. ~~Duplicate Business License – \$20.00~~
8. ~~Duplicate Occupational License – \$20.00~~
9. ~~Off Premises Storage Permit – \$1,500.00~~
10. ~~Medical Marijuana Transporter Off Premises Storage Permit – \$2,200.00~~
11. ~~Responsible Vendor Program Provider Application Fee – \$850.00~~
12. ~~Responsible Vendor Program Provider Renewal Fee – \$350.00~~
13. ~~Responsible Vendor Program Provider Duplicate Certificate Fee – \$50.00~~
14. ~~Licensed Research Business Research Project Proposal – \$500.00~~
15. ~~Temporary Appointee Registration finding of suitability~~
 - a. ~~Individual – \$225.00~~
 - b. ~~Entity – \$800.00~~
16. ~~Centralized Distribution Permit – \$20.00~~
17. ~~R&D Co-Location Permit – \$50.00~~

B. ~~When Other Application Fees Are Due.~~ All other application fees are due at the time the application and/or request is submitted.

C. ~~Subpoena Fee~~ See Rule M 106 ~~Subpoena Fees.~~

Basis and Purpose — M 211

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-11-202(1)(b), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-12-202(4)(b)(I)(A), 44-12-104, and 44-11-501, C.R.S. The purpose of this rule is to clarify that, with the exception of Medical Marijuana Testing Facilities, Medical Marijuana Business Operators and Medical Marijuana Business Transporters, existing Medical Marijuana Businesses may apply to convert a Medical Marijuana Business License to a Retail Marijuana Establishment License or may apply to obtain one additional license to operate a Retail Marijuana Establishment. It is important to note that the State Licensing Authority considers each license issued as separate and distinct. Each license, whether it is in the same location or not, is fully responsible to maintain compliance with all statutes and rules promulgated regardless of whether or not they are located in a shared address.

A Medical Marijuana Business may only obtain one Retail Marijuana Establishment License, whether it converts the Medical Business License or obtains a Retail Marijuana Establishment License, for each Medical Marijuana Business License it holds. In order to ensure all Retail Marijuana and Retail Marijuana Product are tracked in the Inventory Tracking System and as a condition of licensure, a Medical Marijuana Business must declare in the Inventory Tracking System all Medical Marijuana and Medical Marijuana Infused Product that are converted for sale as Retail Marijuana or Retail Marijuana Product prior to initiating or allowing any sales. This declaration may be made only once. Beginning July 1, 2016, the only allowed transfer of marijuana between a Medical Marijuana Business and Retail Marijuana Establishment is the transfer of Medical Marijuana and Medical Marijuana Concentrate that was produced at the Optional Premises Cultivation Operation, from the Optional Premises Cultivation Operation to a Retail Marijuana Cultivation Facility. The marijuana subject to the one-time transfer is subject to the excise tax upon the first transfer from the Retail Marijuana Cultivation Facility to another Retail Marijuana Establishment.

The State Licensing Authority received several comments from stakeholders who requested lower fees for Medical Marijuana Businesses that were either converting a Medical Marijuana Business license to a Retail Marijuana Establishment license or obtaining an additional Retail Marijuana Establishment license while retaining the existing Medical Marijuana Business license. The adopted permanent regulations reflect changes to address this concern. Under the rules as adopted, Medical Marijuana Businesses that apply to convert to a Retail Marijuana Establishment license will be required to pay an application fee, but no license fees will be charged until such time as the renewal fees would have been due under the Medical Marijuana Business license term. The Retail Marijuana Establishment license, if approved, would assume the balance of the license term from the Medical Marijuana Business license and have the same expiration date.

M 211 — Conversion — Medical Marijuana Business to Retail Marijuana Establishment

A. ~~Retail Marijuana Establishment Expiration Date~~

1. ~~A Medical Marijuana Business converting its license to a Retail Marijuana Establishment license shall not be required to pay a license fee at the time of application for conversion.~~
2. ~~If a Medical Marijuana Business licensee is scheduled to renew its license during the processing of its conversion to a Retail Marijuana Establishment license, the Medical Marijuana Business must complete all renewal applications and pay the requisite renewal licensing fees.~~
3. ~~A Retail Marijuana Establishment license that was fully converted from a Medical Marijuana Business license will assume the balance of licensing term previously held by the surrendered Medical Marijuana Business license.~~

B. ~~Medical Marijuana Licensees Applying for Retail Marijuana Establishments.~~ Except for a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator or a Medical Marijuana

Business Transporter, a Medical Marijuana Business Licensee in good standing or who had a pending application as of December 10, 2012 that has not yet been denied, and who has paid all applicable fees, may apply for a Retail Marijuana Establishment license in accordance with the Retail Code and these rules on or after October 1, 2013. A Medical Marijuana Business meeting these conditions may apply to convert a Medical Marijuana Business license to a Retail Marijuana Establishment license or may apply for a single Retail Marijuana Establishment of the requisite class of license in the Medical Marijuana Code for each Medical Marijuana Business License not converted.

C. ~~Retail Marijuana Establishment Licenses Conditioned.~~

- ~~1. It shall be unlawful for a Retail Marijuana Establishment to operate without being issued a Retail Marijuana Establishment license by the State Licensing Authority and receiving all relevant local jurisdiction approvals. Each Retail Marijuana Establishment license issued shall be conditioned on the Licensee's receipt of all required local jurisdiction approvals and licensing, if required.~~
- ~~2. Each Retail Marijuana Establishment license issued shall be conditioned on the Medical Marijuana Business Licensee's declaration of the amount of Medical Marijuana or Medical Marijuana-Infused Product it intends to Transfer from the requisite Medical Marijuana Business for sale as Retail Marijuana or Retail Marijuana Product. A Retail Marijuana Establishment shall not exercise any of the rights or privileges of a Retail Marijuana Establishment Licensee until such time as all such Medical Marijuana and Medical Marijuana-Infused Product are fully Transferred and declared in the Inventory Tracking System. See also, Rule R 309—Inventory Tracking System. Beginning July 1, 2016, the only allowed transfer of marijuana between a Medical Marijuana Business and Retail Marijuana Establishment is the transfer of Medical Marijuana and Medical Marijuana Concentrate that was produced at the Optional Premises Cultivation Operation, from the Optional Premises Cultivation Operation to a Retail Marijuana Cultivation Facility.~~

D. ~~One-Time Transfer.~~

- ~~1. This Rule M 211(D)(1) is repealed effective July 1, 2016. Prior to July 1, 2016, once a Retail Marijuana Establishment has declared Medical Marijuana and/or Medical Marijuana-Infused Product as Retail Marijuana or Retail Marijuana Product in the Inventory Tracking System and begun exercising the rights and privileges of the license, no additional Medical Marijuana or Medical Marijuana-Infused Product can be transferred from the Medical Marijuana Business to the relevant Retail Marijuana Establishment at any time.~~
- ~~2. Beginning July 1, 2016, the only allowed Transfer of marijuana between a Medical Marijuana Business and a Retail Marijuana Establishment is the transfer of Medical Marijuana and Medical Marijuana Concentrate that was produced at the Optional Premises Cultivation Operation, from the Optional Premises Cultivation Operation to a Retail Marijuana Cultivation Facility. All other Transfers are prohibited, including but not limited to Transfers from a Medical Marijuana Center or Medical Marijuana-Infused Products Manufacturer to any Retail Marijuana Establishment. Once a Retail Marijuana Establishment has declared Medical Marijuana and Medical Marijuana Concentrate as Retail Marijuana or Retail Marijuana Concentrate in the Inventory Tracking System and begun exercising the rights and privileges of the license, no additional Medical Marijuana or Medical Marijuana Concentrate can be Transferred from the Medical Marijuana Business to the relevant Retail Marijuana Establishment at any time.~~

~~M 230 — Repealed Effective January 1, 2017.~~

~~Basis and Purpose — M 231~~

The statutory authority for this rule includes but is not limited to sections 44-11-201(3), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-310(4), 44-11-310(7), 24-18-105(3), 44-11-104, 44-11-305, 44-11-306, 44-11-307, 44-11-401, and 24-76.5-101 ~~et seq.~~, C.R.S. The purpose of this rule is to clarify the qualifications for licensure, including, but not limited to, the requirement for a fingerprint-based criminal history record check for all Direct Beneficial Interest Owners, contractors, employees, and other support staff of licensed entities.

M 231 — Qualifications for Licensure and Residency

- A. ~~Any Applicant may be required to establish his or her identity and age by any document required for a determination of Colorado residency, United States citizenship or lawful presence.~~
- B. ~~Ongoing Licensing Qualification. Failure to maintain the qualifications for licensure may constitute grounds for discipline, including but not limited to suspension, revocation, or fine.~~
 - B.1 ~~Duty to Report Offenses. An Applicant or Licensee shall notify the Division in writing of any felony criminal charge and felony conviction against such Person within ten days of such person's arrest, felony summons, and within ten days of the disposition of any arrest or summons. Failure to make proper notification to the Division may be grounds for disciplinary action. Applicants and Licensees shall notify the Division within ten days of any other event that renders the Applicant or Licensee no longer qualified under these rules. Licensees shall cooperate in any investigation conducted by the Division. This duty to report includes, but is not limited to, deferred sentences or judgments that are not sealed. If the Division lawfully finds a disqualifying event and an Applicant asserts that the record was sealed, the Division may require the Applicant to provide proof from a court evidencing the sealing of the case.~~
- C. ~~Application Forms Accessible to Law Enforcement and Licensing Authorities. All application forms supplied by the Division and filed by an Applicant for licensure shall be accessible by the State Licensing Authority, local licensing authorities, and any state or local law enforcement agent.~~
- D. ~~Associated Key Licenses. Each Direct Beneficial Interest Owner who is a natural person, including but not limited to each officer, director, member or partner of a Closely Held Business Entity, must apply for and hold at all times a valid Associated Key License. Except that these criteria shall not apply to Qualified Limited Passive Investors, who are not required to hold Associated Key Licenses. Each such Direct Beneficial Interest Owner must establish that he or she meets the following criteria before receiving an Associated Key License:~~
 - 1. ~~The Applicant has paid the annual application and licensing fees;~~
 - 2. ~~The Applicant's criminal history indicates that he or she is of Good Moral Character;~~
 - 3. ~~The Applicant is not employing, or financed in whole or in part by any other Person whose criminal history indicates that he or she is not of Good Moral Character;~~
 - 4. ~~The Applicant is at least 21 years of age;~~
 - 5. ~~The Applicant has paid all taxes, interest, or penalties due the Department of Revenue relating to a Medical Marijuana Business or Retail Marijuana Establishment, if applicable;~~
 - 6. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony in the five years immediately preceding his or her application date;~~
 - 7. ~~The Applicant meets qualifications for licensure that directly and demonstrably relate to the operation of a Medical Marijuana Business.~~
 - 8. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony pursuant to any state or federal law regarding the possession,~~

distribution, manufacturing, cultivation, or use of a controlled substance in the ten years immediately preceding his or her application date or five years from May 28, 2013, whichever is longer; except that the State Licensing Authority may grant a license to a person if the Applicant has a state felony conviction based on possession or use of marijuana or marijuana concentrate that would not be a felony of the Applicant were convicted of the offense on the date he or she applied for licensure¹

9. ~~The Applicant does not employ another person who does not have a valid Occupational License issued pursuant to either the Medical Code or Retail Code;~~
 10. ~~The Applicant is not a sheriff, deputy sheriff, police officer, or prosecuting officer, or an officer or employee of the State Licensing Authority or a local licensing authority;~~
 11. ~~The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for individuals, Retail Marijuana Establishments and/or Medical Marijuana Businesses licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application;~~
 12. ~~The premises that the Applicant proposes to be licensed is not currently licensed as a retail food establishment or wholesale food registrant;~~
 13. ~~The Applicant either:~~
 - a. ~~Has been a resident of Colorado for at least one year prior to the date of the application, or~~
 - b. ~~Has been a United States citizen since a date prior to the date of the application and has received a Finding of Suitability from the Division prior to filing the application. See Rule M 231.1 Finding of Suitability, Residency and Reporting Requirements for Direct Beneficial Interest Owners; Rule M 232 Factors Considered When Determining Residency and Citizenship: Individuals.~~
 14. ~~For Associated Key Licensees who are owners of a Closely Held Business Entity, the Applicant is a United States citizen.~~
 15. ~~The Applicant has not failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division received notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.~~
- E. ~~Occupational Licenses. An Occupational License Applicant who is not applying for an Associated Key License must establish that he or she meets the following criteria before receiving an Occupational License:~~
1. ~~The Applicant has paid the annual application and licensing fees;~~
 2. ~~The Applicant's criminal history indicates that he or she is of Good Moral Character;~~
 3. ~~The Applicant is at least 21 years of age;~~
 4. ~~An Applicant is currently a resident of Colorado. See Rule M 232 Factors Considered When Determining Residency and Citizenship: Individuals;~~
 5. ~~The Applicant has paid all taxes, interest, or penalties due the Department of Revenue relating to a Medical Marijuana Business or Retail Marijuana Establishment;~~

6. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony in the five years immediately preceding his or her application date;~~
7. ~~The Applicant meets qualifications for licensure that directly and demonstrably relate to the operation of a Medical Marijuana Business;~~
8. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony pursuant to any state or federal law regarding the possession, distribution, manufacturing, cultivation, or use of a controlled substance in the ten years immediately preceding his or her application date or five years from May 28, 2013, whichever is longer; except that the State Licensing Authority may grant a license to a person if the person has a state felony conviction based on possession or use of marijuana or marijuana concentrate that would not be a felony of the person were convicted of the offense on the date he or she applied for licensure;~~
9. ~~The Applicant is not a sheriff, deputy sheriff, police officer, or prosecuting officer, or an officer or employee of the State Licensing Authority or a local licensing authority; and~~
10. ~~The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for occupational licensees, Medical Marijuana Businesses and/or Retail Marijuana Establishments licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.~~
11. ~~The Applicant has not failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division received notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.~~

F. ~~Current Medical Marijuana Occupational Licensees:~~

1. ~~An individual who holds a current, valid Occupational License issued pursuant to the Medical Code may also work in a Retail Marijuana Establishment; no separate Occupational License is required.~~
2. ~~An individual who holds a current, valid Occupational License issued pursuant to the Retail Code after July 1, 2015 may also work in a Medical Marijuana Business; no separate Occupational License is required.~~

G. ~~Associated Key License Privileges:~~ ~~A person who holds an Associated Key License must associate that license separately with each Medical Marijuana Business or Retail Marijuana Establishment with which the person is associated by submitting a form approved by the Division. A person who holds an Associated Key License may exercise the privileges of a licensed employee in any licensed Medical Marijuana Business or Retail Marijuana Establishment in which they are not an owner so long as the person does not exercise privileges of ownership.~~

H. ~~Qualified Limited Passive Investor:~~ ~~An Applicant who wishes to be a Qualified Limited Passive Investor and hold an interest in a Medical Marijuana Business as a Direct Beneficial Interest Owner must establish that he or she meets the following criteria before the ownership interest will be approved:~~

1. ~~He or she is a natural person;~~
2. ~~The Applicant qualifies under Rule M-231.2(B);~~

3. ~~He or she has been a United States citizen since a date prior to the date of the application, and~~
4. ~~He or she has signed an affirmation of passive investment.~~
- I. ~~Workforce Training or Development Residency Exempt License. An Applicant who wishes to obtain a workforce development or training exemption to the license residency requirement may only apply for a Support License or Key License and must:~~
 1. ~~Submit a complete application on the Division's approved forms;~~
 2. ~~Establish he or she meets the licensing criteria of Rule M 231(E)(1)-(3) and 231(E)(5)-(10) for Occupational Licensees;~~
 3. ~~Provide evidence of proof of lawful presence; and~~
 4. ~~Provide a complete Workforce Training or Development Affirmation form executed under penalty of perjury.~~
- J. ~~Evaluating an Individual's Good Moral Character Based on His or Her Criminal History.~~
 1. ~~In evaluating whether a Person is prohibited as a licensee pursuant to section 44-11-306(1)(b) or (c), C.R.S., based on a determination that the individual's criminal history indicates he or she is not of Good Moral Character, the Division will not consider the following:~~
 - a. ~~The mere fact an individual's criminal history contains an arrest(s) or charge(s) of a criminal offense that is not actively pending;~~
 - b. ~~A conviction of a criminal offense in which the application/licensee received a pardon;~~
 - c. ~~A conviction of a criminal offense which resulted in the sealing or expungement of the record; or~~
 - d. ~~A conviction of a criminal offense in which a court issued an order of collateral relief specific to the application for state licensure.~~
 2. ~~In evaluating whether a Person is prohibited as a licensee pursuant to section 44-12-306(1)(b) or (c), C.R.S., based on a determination that the individual's criminal history indicates he or she is not of Good Moral Character, the Division may consider the following history:~~
 - a. ~~Any felony conviction(s);~~
 - b. ~~Any conviction(s) of crimes involving moral turpitude;~~
 - c. ~~Pertinent circumstances connected with the conviction(s); and~~
 - d. ~~Conduct underlying arrest(s) or charge(s) or a criminal offense for which the criminal case is not actively pending.~~
 3. ~~When considering any criminal history set forth in subparagraphs 1 & 2 above, the Division will consider:~~

- a. ~~Whether there is a direct relationship between the conviction(s) and the duties and responsibilities of holding a state license issued pursuant to the Medical or Retail Code;~~
- b. ~~Any information provided to the Division regarding the individual's rehabilitation, which may include but is not limited to the following non-exhaustive considerations:~~
 - i. ~~Character references;~~
 - ii. ~~Educational, vocational, and community achievements, especially those achievements occurring during the time between the individual's most recent criminal conviction and the application for a state license;~~
 - iii. ~~Successful participation in an alcohol or drug treatment program;~~
 - iv. ~~That the individual truthfully and fully reported the criminal conduct to the Division;~~
 - v. ~~The individual's employment history after conviction or release, including but not limited to whether the individual was vetted and approved to hold a state or out-of-state license for the purposes of employment within a regulated industry;~~
 - vi. ~~The individual's successful compliance with any conditions of parole or probation imposed after conviction or release; or~~
 - vii. ~~Any other facts or circumstances tending to show the Applicant has been rehabilitated and is ready to accept the responsibilities of a law-abiding and productive member of society.~~
- K. ~~Compliance with Child Support Obligations. An Applicant for an Occupational License must be in compliance with all court or administrative orders for current child support, child support debt, retroactive child support, or child support arrearages. An Occupational License application may be denied if the Division receives notice of noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S.~~

Basis and Purpose – M 231.1

The statutory authority for this rule includes but is not limited to sections 44-11-201(3), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-310(4), 44-11-310(7), 24-18-105(3), 44-11-104(1), 44-11-104(20), 44-11-306, 44-11-307, 44-11-313, 44-11-401, and 24-76.5-101 ~~et seq.~~, C.R.S. The purpose of this rule is to clarify the qualifications for Direct Beneficial Interest Owners.

M 231.1 – Finding of Suitability, Residency and Reporting Requirements for Direct Beneficial Interest Owners

- A. ~~Finding of Suitability – Non-Resident Direct Beneficial Interest Owners. A natural person, owner, shareholder, director, officer, member or partner of an entity that intends to apply to become a Direct Beneficial Interest Owner who has not been a resident of Colorado for at least one year prior to the application shall first submit a request to the State Licensing Authority for a finding of suitability to become a Direct Beneficial Interest Owner as follows:~~
 - 1. ~~A request for a finding of suitability for a non-resident natural person shall be submitted on the forms prescribed by the State Licensing Authority.~~

- ~~2. A natural person or all owners, shareholders, directors, officers, members or partners of an entity who have not been a resident of Colorado for at least one year shall obtain a finding of suitability prior to submitting an application to become a Direct Beneficial Interest Owner to the State Licensing Authority.~~
- ~~3. A finding of suitability is valid for one year from the date it is issued by the Division. If more than one year has passed since the Division issued a finding of suitability to a natural person, owner, shareholder, director, officer, member, or partner of an entity that intends to apply to become a Direct Beneficial Interest Owner who has not been a resident of Colorado for at least one year prior to the application, then such applicant shall submit a new request for a finding of suitability to the State Licensing Authority and obtain a new finding of suitability before submitting any application to become a Direct Beneficial Interest Owner to the State Licensing Authority. All recipients of a finding of suitability shall disclose in writing to the Division any and all disqualifying events within 10 days after occurrence of the event that could lead to a finding that the recipient no longer qualifies to become a Direct Beneficial Interest Owner.~~
- ~~4. The failure of a non-Colorado resident, who is not already a Direct Beneficial Interest Owner, to obtain a finding of suitability within the year prior to submission of an application to become a Direct Beneficial Interest Owner to the State Licensing Authority shall be grounds for denial of the application.~~

~~B. Number of Permitted Direct Beneficial Interest Owners.~~

- ~~1. A Medical Marijuana Business may be comprised of an unlimited number of Direct Beneficial Interest Owners that have been residents of Colorado for at least one year prior to the date of the application.~~
- ~~2. On and after January 1, 2017, a Medical Marijuana Business that is comprised of one or more Direct Beneficial Interest Owners who have not been Colorado residents for at least one year is limited to no more than fifteen Direct Beneficial Interest Owners, each of whom is a natural person. Further, a Medical Marijuana Business that is comprised of one or more Direct Beneficial Interest Owners who have not been Colorado residents for at least one year shall have at least one officer who is a Colorado resident. All officers with day-to-day operational control over a Medical Marijuana Business must be Colorado residents for at least one year, must maintain their Colorado residency during the period while they have day-to-day operational control over the Medical Marijuana Business and shall be licensed as required by the Medical Code, Rule 231—Qualifications for Licensure and Residency: Individuals.~~

~~C. Notification of Change of Residency. A Medical Marijuana Establishment with more than fifteen Direct Beneficial Interest Owners shall provide thirty days prior notice to the Division of any Direct Beneficial Interest Owners' intent to change their residency to a residency outside Colorado. A Medical Marijuana Business with no more than fifteen Direct Beneficial Interest Owners shall notify the Division of the change of residency of any Direct Beneficial Interest Owner at the time of its license renewal. Failure to provide timely notice pursuant to this rule may lead to administrative action against the Medical Marijuana Business and its Direct Beneficial Interest Owners.~~

~~D. A Direct Beneficial Interest Owner shall not be a publicly traded company.~~

Basis and Purpose — M 231.2

~~The statutory authority for this rule includes but is not limited to sections 44-11-104(4), 44-11-104(20), 44-11-201(3), 44-11-202(1)(b), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-202(2)(a)(XXV), 44-11-307, 24-18-105(3), and 24-76.5-101 et seq., C.R.S. The purpose of this rule is to clarify the qualifications for an Indirect Beneficial Interest Owner other than a Permitted Economic Interest.~~

M-231.2—Qualifications for Indirect Beneficial Interest Owners and Qualified Limited Passive Investors

A. General Requirements

1. ~~An Applicant applying to become a Commercially Reasonable Royalty Interest holder who receives a royalty of more than 30 percent or the holder of a Permitted Economic Interest must be pre-approved by the Division.~~
2. ~~An Applicant applying to become an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor shall submit information to the Division in a full, faithful, truthful, and fair manner. The Division may recommend denial of an application where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application. This type of conduct may be considered as the basis of additional administrative action against the Applicant and the Medical Marijuana Business.~~
3. ~~The Division may deny the application when the Applicant fails to provide any requested information by the Division's deadline.~~
4. ~~The Division's determination that an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is qualified constitutes a revocable privilege held by the Medical Marijuana Business. The burden of proving the Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is qualified rests at all times with the Medical Marijuana Business Applicant. Indirect Beneficial Interest Owners and Qualified Limited Passive Investors are not separately licensed by the Division. Any administrative action regarding an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor may be taken directly against the Medical Marijuana Business.~~
5. ~~Permitted Economic Interest Fingerprints Required. Any individual applying to hold his or her first Permitted Economic Interest shall be fingerprinted for a criminal history record check. In the Division's discretion, an individual may be required to be fingerprinted again for additional criminal history record checks.~~
6. ~~No publicly traded company can be an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor.~~

B. Qualification. The Division may consider the following non-exhaustive list of factors to determine whether an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is qualified:

1. ~~The Applicant's criminal history indicates that he or she is of Good Moral Character;~~
2. ~~The Applicant is at least 21 years of age;~~
3. ~~The Applicant has paid all taxes, interest, or penalties due the Department of Revenue relating to a Medical Marijuana Business or Retail Marijuana Establishment, if applicable;~~
4. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony in the five years immediately preceding his or her application date;~~
5. ~~The Applicant is not currently subject to or has not discharged a sentence for a conviction of a felony pursuant to any state or federal law regarding the possession, distribution, manufacturing, cultivation, or use of a controlled substance in the ten years immediately preceding his or her application date or five years from May 28, 2013, whichever is longer, except, in the Division's discretion, a state felony conviction based on possession or use of marijuana or marijuana concentrate that would not be a felony if the Person were convicted of the offense on the date he or she applied may not disqualify an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor;~~

6. ~~The Applicant is not a sheriff, deputy sheriff, police officer, or prosecuting officer, or an officer or employee of the State Licensing Authority or a local licensing authority;~~
7. ~~The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for individuals, Medical Marijuana Businesses and/or Retail Marijuana Establishments licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.~~
8. ~~The Applicant has provided all documentation requested by the Division to establish qualification to be an Indirect Beneficial Interest Owner.~~

~~C. Maintaining Qualification:~~

1. ~~An Indirect Beneficial Interest Owner or Qualified Limited Passive Investor shall notify the Division in writing of any felony criminal charge and felony conviction against such person within ten days of such person's arrest or felony summons, and within ten days of the disposition of any arrest or summons. Failure to make proper notification to the Division may be grounds for disciplinary action. This duty to report includes, but is not limited to, deferred sentences, prosecutions, or judgments that are not sealed. If the Division lawfully finds a disqualifying event and the individual asserts that the record was sealed, the Division may require the individual to provide proof from a court evidencing the sealing of the case~~
2. ~~An Indirect Beneficial Interest Owner, Qualified Limited Passive Investor and Medical Marijuana Business shall cooperate in any investigation into whether an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor continues to be qualified that may be conducted by the Division.~~

~~D. Divestiture of Indirect Beneficial Interest Owner or Qualified Limited Passive Investor. If the Division determines an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is not permitted to hold their interest, the Medical Marijuana Business shall have 60 days from such determination to divest the Indirect Beneficial Interest Owner or Qualified Limited Passive Investor. The Division may extend the 60-day deadline for good cause shown. Failure to timely divest any Indirect Beneficial Interest Owner or Qualified Limited Passive Investor the Division determines is not qualified, or is no longer qualified, may constitute grounds for denial of license or administrative action against the Medical Marijuana Business and/or its Associated Key Licensee(s).~~

~~M 231.5 — Repealed Effective January 1, 2017.~~

~~Basis and Purpose — M 232~~

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(I), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-202(2)(a)(XXV), 44-11-307(2), 44-11-310(6), C.R.S. The purpose of this rule is to interpret residency requirements set forth in the Medical Code.~~

~~M 232 — Factors Considered When Determining Residency and Citizenship: Individuals~~

~~This rule applies to individual Applicants who are trying to obtain Medical Marijuana Business licenses. When the State Licensing Authority determines whether an Applicant is a resident, the following factors will be considered:~~

- A. ~~Primary Home Defined. The location of an Applicant's principal or primary home or place of abode ("primary home") may establish Colorado residency. An Applicant's primary home is that home or place in which a person's habitation is fixed and to which the person, whenever absent, has the present intention of returning after a departure or absence therefrom, regardless of the duration of such absence. A primary home is a permanent building or part of a building and may~~

include, by way of example, a house, condominium, apartment, room in a house, or manufactured housing. No rental property, vacant lot, vacant house or cabin, or other premises used solely for business purposes shall be considered a primary home.

~~B. Reliable Indicators That an Applicant's Primary Home is in Colorado. The State Licensing Authority considers the following types of evidence to be generally reliable indicators that a person's primary home is in Colorado.~~

- ~~1. Evidence of business pursuits, place of employment, income sources, residence for income or other tax purposes, age, residence of parents, spouse, and children, if any, leaseholds, situs of personal and real property, existence of any other residences outside of Colorado and the amount of time spent at each such residence, and any motor vehicle or vessel registration;~~
- ~~2. Duly authenticated copies of the following documents may be taken into account: A current driver's license with address, recent property tax receipts, copies of recent income tax returns where a Colorado mailing address is listed as the primary address, current voter registration cards, current motor vehicle or vessel registrations, and other public records evidencing place of abode or employment; and~~
- ~~3. Other types of reliable evidence.~~

~~C. Totality of the Evidence. The State Licensing Authority will review the totality of the evidence, and any single piece of evidence regarding the location of a person's primary home is not necessarily determinative.~~

~~D. Other Considerations for Residency. The State Licensing Authority may consider the following circumstances~~

- ~~1. Members of the armed services of the United States or any nation allied with the United States who are on active duty in this state under permanent orders and their spouses;~~
- ~~2. Personnel in the diplomatic service of any nation recognized by the United States who are assigned to duty in Colorado and their spouses; and~~
- ~~3. Full-time students who are enrolled in any accredited trade school, college, or university in Colorado. The temporary absence of such student from Colorado, while the student is still enrolled at any such trade school, college, or university, shall not be deemed to terminate their residency. A student shall be deemed "full-time" if considered full-time pursuant to the rules or policy of the educational institution he or she is attending.~~

~~E. Entering Armed Forces Does Not Terminate Residency. An individual who is a Colorado resident pursuant to this rule does not terminate Colorado residency upon entering the armed services of the United States. A member of the armed services on active duty who resided in Colorado at the time the person entered military service and the person's spouse are presumed to retain their status as residents of Colorado throughout the member's active duty in the service, regardless of where stationed or for how long.~~

~~F. Determination of United States Citizenship. Whenever the Medical Code or the rules promulgated pursuant thereto require a Direct Beneficial Interest Owner to be a United States citizen, the Direct Beneficial Interest Owner must provide evidence of United States citizenship as required by the Division in accordance with applicable federal and state statutes and regulations.~~

Basis and Purpose – M-233

The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(VIII), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-310(7), and 44-11-401(1)(e);

C.R.S. The purpose of this rule is to clarify when an individual must be licensed or registered with the Division before commencing any work activity at a Medical Marijuana Business. The rule also sets forth the process for obtaining a license or registration and explains what information may be required before obtaining such license or registration.

~~M 233 — Medical Code or Retail Code Occupational Licenses Required~~

~~A. — Medical Code or Retail Code Occupational Licenses and Identification Badges~~

- ~~1. — Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports or delivers Medical Marijuana or Medical Marijuana-Infused Product as permitted by privileges granted under a Medical Marijuana Business license must have a valid Occupational License.~~
- ~~2. — Any person who has the authority to access or input data into the Inventory Tracking System or a Medical Marijuana Business point-of-sale system must have a valid Occupational License.~~
- ~~3. — Any person within a Restricted Access Area or Limited Access Area that does not have a valid Occupational License shall be considered a visitor and must be escorted at all times by a person who holds a valid Associated Key License or other Occupational License. Failure by a Medical Marijuana Business to continuously escort a person who does not have a valid Occupational License within a Limited Access Area may be considered a license violation affecting the public safety. See Rule M 1307 — Penalties. See also Rule M 301 — Limited Access Areas. Nothing in this provision alters or eliminates a Medical Marijuana Business's obligation to comply with the Occupational License requirements of paragraph (A) of this Rule M 233. Trade craftspeople not normally engaged in the business of cultivating, processing, or selling Medical Marijuana do not need to be accompanied at all times, and instead only reasonably monitored.~~

~~B. — Occupational License Required to Commence or Continue Employment. Any person required to be licensed pursuant to these rules shall obtain all required approvals and obtain a Division-issued identification badge before commencing activities permitted by his or her Medical Code or Retail Code Occupational License. See Rules M 231 — Qualifications for Licensure and Residency; M 204 — Ownership Interests of a License; Medical Marijuana Businesses, and M 301 — Limited Access Areas.~~

~~C. — Identification Badges Are Property of State Licensing Authority. All identification badges shall remain the property of the State Licensing Authority, and all identification badges shall be returned to the Division upon demand of the State Licensing Authority or the Division.~~

~~M 234 — Repealed (October 30, 2014)~~

~~Basis and Purpose — M 235~~

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-307(5)(a-b), 44-11-401(1)(e), 44-11-104, 44-11-310, 44-11-401, 44-11-501, and 44-11-502, C.R.S. The purpose of this rule is to establish the licensing fees for individuals.~~

~~M 235 — Schedule of Application and License Fees: Individuals~~

~~A. — Individual Application and License Fees~~

- ~~1. — Direct Beneficial Interest Owner Fees~~
 - ~~a. — Colorado Resident Associated Key License~~

i. ~~Application Fee—\$725.00~~

ii. ~~License Fee—\$75.00~~

b. ~~Non-Resident Associated Key License~~

i. ~~Application Fee upon request for finding of suitability—\$4,925.00~~

ii. ~~License Fee following a finding of suitability—\$75.00~~

2. ~~Occupational Key License~~

i. ~~Application Fee—\$225.00~~

ii. ~~License Fee—\$25.00~~

3. ~~Occupational Support License~~

i. ~~Application Fee—\$50.00~~

ii. ~~License Fee—\$25.00~~

B. ~~When Fees Are Due.~~ Application and License fees are due at the time Applicant submits an application, except for the Non-Resident Associated Key License fee following a finding of suitability. The Non-Resident Associated Key License fee following a finding of suitability is due after an Applicant has been informed by the Division of a finding of suitability and prior to issuance of the Non-Resident Associated Key License.

Basis and Purpose—M 236

The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-401(1)(e), 44-11-104, 44-11-310, 44-11-401, 44-11-501, and 44-11-502, C.R.S. The purpose of this rule is to establish renewal fees for individuals.

M 236—Schedule of Renewal Fees: Individuals

A. ~~Individual Renewal Fees~~

1. ~~Associated Key Renewal Fee—\$500.002.~~

2. ~~Other Occupational Renewal Fee—\$75.00~~

B. ~~When Fees Are Due.~~ Renewal fees are due at the time Applicant submits an application for renewal.

Basis and Purpose—M 250

The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-310(7), and 44-11-304(1), C.R.S. The purpose of this rule is to clarify that a Licensee must keep its mailing address current with the Division.

M 250—Licensee Required to Keep Mailing Address Current with the Division: All Licensees

A. ~~Timing of Notification.~~ A Licensee shall provide a physical mailing address to the Division and additionally may provide an electronic mailing address to the Division. A Licensee shall inform the Division in writing of any change to its physical mailing address and/or electronic mailing address

~~within 30 days of the change. The Division will not change a Licensee's information without explicit written notification provided by the Licensee or its authorized agent.~~

- ~~B. Division Communications. Division communications are sent to the last physical and/or electronic mailing address furnished by an Applicant or a Licensee to the Division.~~
- ~~C. Failure to Change Address Does Not Relieve Licensee's or Applicant's Obligation. Failure to notify the Division of a change of its physical and/or electronic mailing address does not relieve a Licensee or Applicant of the obligation to respond to a Division communication.~~
- ~~D. Application and Disciplinary Communications. The State Licensing Authority will send any application, disciplinary or sanction communication, as well as any notice of hearing, to the last mailing address and to the last known electronic mailing address, if any, furnished to the Division by the Licensee or Applicant.~~

Basis and Purpose — M 251

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-305, 24-4-104, and 24-4-105, C.R.S. The purpose of this rule is to establish what factors the State Licensing Authority will consider when denying an application for licensure.~~

M 251 — Application Denial and Voluntary Withdrawal: All Licensees

~~A. Applicant Bears Burden of Proving It Meets Licensing Requirements~~

- ~~1. At all times during the application process, an Applicant must be capable of establishing that it is qualified to hold a license.~~
- ~~2. An Applicant that does not cooperate with the Division during the application phase may be denied as a result. For example, if the Division requests additional evidence of qualification and the Applicant does not furnish such evidence by the date requested, the Applicant's application may be denied.~~

~~B. Applicants Must Provide Accurate Information~~

- ~~1. An Applicant must provide accurate information to the Division during the entire Application process.~~
- ~~2. If an Applicant provides inaccurate information to the Division, the Applicant's application may be denied.~~

~~C. Grounds for Denial~~

- ~~1. The State Licensing Authority will deny an application from an Applicant that forms a business, including but not limited to a sole proprietorship, corporation, or other business enterprise, with the purpose or intent, in whole or in part, of transporting, cultivating, processing, transferring, or distributing marijuana or marijuana products without receiving prior licenses from all relevant licensing authorities.~~
- ~~2. The State Licensing Authority will deny an application for Good Cause.~~
- ~~3. The State Licensing Authority will deny an application from an Applicant that is statutorily disqualified from holding a license.~~

~~D. Voluntary Withdrawal of Application~~

1. ~~The Division and Applicant may mutually agree to allow the voluntary withdrawal of an application in lieu of a denial proceeding.~~
2. ~~Applicants must first submit a notice to the Division requesting the voluntary withdrawal of the application. Applicants will submit the notice with the understanding that they were not obligated to request the voluntary withdrawal and that any right to a hearing in the matter is waived once the voluntary withdrawal is approved.~~
3. ~~The Division will consider the request along with any circumstances at issue with the application in making a decision to accept the voluntary withdrawal. The Division may at its discretion grant the request with or without prejudice or deny the request.~~
4. ~~The Division will notify the Applicant of its acceptance of the voluntary withdrawal and the terms thereof.~~
5. ~~If the Applicant agrees to a voluntary withdrawal granted with prejudice, then the Applicant is not eligible to apply again for licensing or approval until after expiration of one year from the date of such voluntary withdrawal.~~

E. A Denied Applicant May Appeal a Denial

1. ~~A Denied Applicant may appeal a denial pursuant to the Administrative Procedure Act.~~
2. ~~See also Rules M-1304—Administrative Hearings, M-1305—Administrative Subpoenas, and M-1306—Administrative Hearing Appeals.~~

Basis and Purpose—M-252

~~The statutory authority for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(XXIV), and 44-11-310(6), C.R.S. The purpose of this rule is to clarify the length of licenses for businesses and individuals.~~

M-252—Length of License: All Licensees Except Medical Marijuana Transporters and Occupational Licenses

- A. ~~Medical Marijuana Business License. All licenses issued pursuant to the Medical Code and these rules are valid for one year, except that a Medical Marijuana Transporter license and an Occupational License are valid for two years.~~
- B. ~~License May Be Valid for Less Than Full Term. A License may be valid for less than the applicable license term if surrendered, or if revoked, suspended, or otherwise disciplined.~~

Basis and Purpose—M-253

~~The statutory authority for this rule includes but is not limited to sections 44-11-202 and 44-11-401, C.R.S. The purpose of this rule is to establish procedures and requirements for any Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person acting in accordance with section 44-11-401(1.5), C.R.S., and authorized by court order to take possession of, operate, manage, or control a Medical Marijuana Business.~~

M-253—Temporary Appointee Registrations for Court Appointees

- A. ~~For Court Appointees appointed on or after May 15, 2018, the effective date of House Bill 18-1280:~~
 1. ~~Notice to the State and Local Licensing Authorities. Within seven days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), C.R.S., (or within~~

~~seven days of June 18, 2018, the effective date of this Rule M 253, whichever is later); such Court Appointee shall file a notice to the State Licensing Authority and the applicable local licensing authority on a form prescribed by the State Licensing Authority. The notice shall be accompanied by a copy of the order appointing the Court Appointee and a statement affirming that the Court Appointee complied with the certification required by section 44-11-401(1.5)(a), C.R.S. If the Court Appointee is an entity, the notice shall identify all individuals responsible for taking possession of, operating, managing, or controlling the licensed Medical Marijuana Business. Each notice shall identify at least one such individual.~~

- ~~2. Application for Finding of Suitability. Within 14 days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), C.R.S., (or within 14 days of June 18, 2018, the effective date of this Rule M 253, whichever is later), each Court Appointee shall file an application for a finding of suitability with the State Licensing Authority on forms prescribed by the State Licensing Authority. Each entity and individual for whom a notice was filed pursuant to Rule M 253(A) shall file an application for a finding of suitability. The Division may in its discretion extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.~~
- ~~3. Effective date. The Temporary Appointee Registration shall issue following the State Licensing Authority's receipt of the notice required by Rule M 253(A)(1), and shall be deemed effective as of the date of the court appointment.~~

~~B. For Court Appointees appointed prior to May 15, 2018, the effective date of House Bill 18-1280:~~

- ~~1. Any receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person authorized by court order to take possession of, operate, manage, or control a Medical Marijuana Business prior to May 15, 2018, the effective date of House Bill 18-1280, shall be deemed a Court Appointee.~~
- ~~2. Notice to the State and Local Licensing Authorities and Application for Finding of Suitability. Any such Court Appointee appointed by a court prior to May 15, 2018, shall, within 14 days of June 18, 2018, the effective date of this Rule M 253, file notice of the appointment with the State Licensing Authority and the applicable local licensing authority, and file an application for a finding of suitability with the State Licensing Authority, in accordance with Rule M 253(A)(2). The notice and application shall include a copy of the order appointing the Person, but need not include a statement affirming that the Person complied with the certification required by section 44-11-401(1.5)(a), C.R.S. The Division may extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.~~
- ~~3. Effective date. The Temporary Appointee Registration for a Court Appointee appointed prior to May 15, 2018, the effective date of House Bill 18-1280, shall be deemed effective May 15, 2018.~~

~~C. Temporary Appointee Registration.~~

- ~~1. Entities. If the Court Appointee is an entity, such entity shall receive a Temporary Appointee Registration. Additionally, each such entity must identify all individuals responsible for taking possession of, operating, managing, or controlling the Medical Marijuana Business, and all such individuals shall also receive a Temporary Appointee Registration, which shall be treated as an Associated Key License except where contrary~~

to the provisions of this Rule M 253 or section 44-11-401(1.5), C.R.S. Each Court Appointee that is an entity must identify at least one such individual.

- ~~2. Individuals. If the Court Appointee is an individual, such individual's Temporary Appointee Registration shall be treated as an Associated Key License except where inconsistent with section 44-11-401(1.5), C.R.S., or this Rule M 253.~~
- ~~3. Other employees. Any other individual working under the direction of a Court Appointee who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, researches, or delivers Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product as permitted by privileges granted under a Medical Marijuana Business license must have a valid Occupational License of the type required for the duties that individual will perform. See Rules M 103 and 233.~~
- ~~4. Licensed Premises. A Court Appointee shall not establish an independent Licensed Premises, but shall be authorized to exercise the privileges of the Temporary Appointee Registration within the Licensed Premises of the Medical Marijuana Business for which it is appointed.~~
- ~~5. Medical Marijuana Business Operators. A Court Appointee may retain a Medical Marijuana Business Operator. If the Medical Marijuana Business Operator is the Court Appointee, see subparagraph F of this Rule M 253.~~
- ~~6. Medical Code and rules applicable. Court Appointees shall be subject to the terms of the Medical Code and the rules promulgated pursuant thereto. Except where inconsistent with section 44-11-401(1.5), C.R.S., or this Rule M 253, the State Licensing Authority may take any action with respect to a Temporary Appointee Registration that it could take with respect to any license issued under the Medical Code. In any action involving a Temporary Appointee Registration, these rules shall be read as including the terms "registered", "registration", "registrant" or any other similar terms in lieu of "licensed", "licensee", and any other similar terms as the context requires when applied to a Temporary Appointee Registration.~~

~~D. Disciplinary actions.~~

- ~~1. Suspension, revocation, fine, or other disciplinary action regarding a Medical Marijuana Business. In addition to any other basis for suspension, revocation, fine or other disciplinary action, a Medical Marijuana Business's license may, pursuant to section 44-11-202(1)(a), 44-11-401(1.5)(b), and 44-11-601(1), C.R.S., be suspended, revoked, or subject to other disciplinary action based upon its Court Appointee's violations of the Medical Code, the rules promulgated pursuant thereto, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such disciplinary action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect.~~
- ~~2. Suspension, revocation, fine, or other disciplinary action regarding a Temporary Appointee Registration. In addition to any other basis for suspension, revocation, fine, or other disciplinary action, a Temporary Appointee Registration may, pursuant to section 44-11-202(1)(a), 44-11-401(1.5)(b), and 44-11-601(1), C.R.S., be suspended, revoked, or subject to other disciplinary action based upon the Court Appointee's violations of the Medical Code, the rules promulgated pursuant thereto, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the~~

appointment or failure to timely apply for and obtain a finding of suitability. Such disciplinary action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect. If a person holding a Temporary Appointee Registration also holds any other Occupational License, both the Occupational License and the Temporary Appointee Registration may be suspended, revoked or subject to other disciplinary action for any violations of the Medical Code, the rules promulgated pursuant thereto, the terms, conditions, or provisions of the Temporary Appointee Registration and/or Occupational License issued by the State Licensing Authority, or any order of the State Licensing Authority.

3. ~~Suitability.~~ If the State Licensing Authority denies an application for a finding of suitability because the Court Appointee failed to timely apply for a finding of suitability, failed to timely provide all material information requested by the Division in connection with an application for a finding of suitability, or was found to be unsuitable, the State Licensing Authority may also pursue disciplinary action as set forth in Rule M 253(D)(1)-(2) and (4).
4. ~~Court Appointee's responsibility to notify the appointing court.~~ The Court Appointee shall notify the appointing court of any action taken against the Temporary Appointee Registration by the State Licensing Authority pursuant to sections 44-11-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Court Appointee shall forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

~~E. Expiration and renewal.~~

1. ~~Conclusion of a Court Appointee's court appointment.~~ A Court Appointee's Temporary Appointee Registration shall expire upon the conclusion of a Court Appointee's court appointment. Each Court Appointee and each Medical Marijuana Business that has a Court Appointee shall notify the State Licensing Authority within two business days of the date on which a Court Appointee's court appointment ends, whether due to termination of the appointment by the court, substitution of another Court Appointee, closure of the court case, or otherwise. For a Court Appointee that is appointed in connection with multiple court cases, the notice shall be filed with the State Licensing Authority with respect to each such case.
2. ~~Annual renewal.~~ If it has not yet expired pursuant to Rule M 253(E)(1), each Temporary Appointee Registration shall be valid for one year, after which it shall be subject to annual renewal in accordance with the Medical Code and rules promulgated pursuant thereto. If a Court Appointee is appointed in connection with multiple court cases, the Temporary Appointee Registration is subject to annual renewal unless all such appointments have ended, whether due to termination of the appointments by the courts, substitution of other Court Appointees, closure of the court cases, or otherwise.
3. ~~Other termination.~~ A Temporary Appointee Registration may be valid for less than the applicable term if surrendered, revoked, suspended, or subject to similar action.

~~F. Medical Marijuana Business Operators as Court Appointees.~~ By virtue of its privileges of licensure, a Medical Marijuana Business Operator and its Associated Key Licensees may serve as Court Appointees without a Temporary Appointee Registration subject to the following terms:

1. ~~Notice to the State Licensing Authority of appointment.~~ The Medical Marijuana Business Operator and its Associated Key Licensee(s) shall be responsible for notifying the State Licensing Authority within seven days of any court appointment to serve as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or

similarly situated Person and take possession of, operate, manage, or control a Medical Marijuana Business. Such notice shall be accompanied by a copy of the order making the appointment, and shall identify each Medical Marijuana Business regarding which the Medical Marijuana Business Operator is appointed.

2. ~~Notice to the court of State Licensing Authority action. The Medical Marijuana Business Operator and its Associated Key Licensee(s) shall be responsible for notifying the appointing court of any action taken against the Medical Marijuana Business Operator license or the Associated Key license by the State Licensing Authority pursuant to sections 44-11-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Medical Marijuana Business Operator and its Associated Key Licensee(s) shall forward a copy of such notification to the Division at the same time the notification is made to the appointing court.~~

Rule 200-1 Series – Applications and Licenses (effective August 1, 2019)

Basis and Purpose – Rule 201-1

House Bill 19-1090 includes a safety clause and provides it applies to all applications received on or after November 1, 2019. The purpose of this rule is to clarify the effective date of these rules given the safety clause and November 1, 2019, application date in HB19 1090.

Rule 201-1 – Applicability

These rules are effective August 1, 2019. Applications requiring a finding of suitability, involving a Publicly Traded Corporation, or involving a Qualified Private Fund, may be made on or after November 1, 2019. Applications that do not require a finding of suitability or that do not involve a Publicly Traded Corporation or Qualified Private Fund remain subject to the application submission requirements as of the date these rules are adopted by the State Licensing Authority.

Basis and Purpose – Rule 205-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-104, 44-11-310, 44-11-401, 44-11-501, 44-11-502, 44-11-1101, 44-11-1102, 44-11-202(2)(a)(XXVI), 44- 44-12-202(2)(a), 44-11-1101, 44-11-1102, 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), 44-12-103, 44-12-401, 44-11-501, 44-11-502, 44-12-501, and 44-12-202(2)(a)(XXII), C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish fees required for applications, licenses fees, permits, and other fees required to accompany applications and submissions to the Division. The Division anticipates evaluating all fees in connection with a fee analysis. The fee analysis could include a recommendation to move to a deposit based finding of suitability fee for some or all Controlling Beneficial Owners. Any recommendations from the fee analysis would be considered during subsequent rulemaking proceedings.

Rule 205-1 – Fees

A. Regulated Marijuana Business Initial Application and License Fees.

1. Medical Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
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Medical Marijuana Center	\$5,000.00	\$2,000.00
Medical Marijuana-Infused Products Manufacturer	\$1,000.00	\$1,500.00
Optional Premises Cultivation Operation	\$1,000.00	\$1,500.00
Class 1 (1-500 plants)		
Class 2 (501-1,500 plants)		\$1,000.00
Class 3 (1,501-3,000 plants)		\$2,500.00
Expanded Production Management (for each class of 3,000 plants over Class 3)		\$2,500.00 plus an additional \$1,000 for each class of 3,000 plants over Class 3.
Medical Marijuana Testing Facility	\$1,000.00	\$1,500.00
Medical Marijuana Transporter	\$1,000.00	\$4,400.00
Medical Marijuana Business Operator	\$1,000.00	\$2,200.00
Marijuana Research and Development Facility	\$1,000.00	\$1,500.00
Marijuana Research and Development Cultivation	\$1,000.00	\$1,500.00

2. Retail Marijuana Businesses.

License Type	Application Fee	License Fee
Retail Marijuana Store	\$5,000.00	\$2,000.00
Retail Marijuana Products Manufacturing Facility	\$5,000.00	\$1,500.00
Retail Marijuana Cultivation Facility	\$5,000.00	\$1,500.00
Tier 1 (1-1,800 plants)		
Tier 2 (1,801-3,600 plants)		\$1,000.00
Tier 3 (3,601-6,000 plants)		\$2,000.00
Tier 4 (6,001-10,200 plants)		\$4,000.00
Tier 5 (10,201-13,800 plants)		\$6,000.00
Expanded Production Management (for each		\$6,000.00 plus an

additional tier of 3,600 plants over Tier 5)		additional \$1,000 for each tier of 3,600 plants over Tier 5
Retail Marijuana Testing Facility	\$1,000.00	\$1,500.00
Retail Marijuana Transporter	\$1,000.00	\$4,400.00
Retail Marijuana Business Operator	\$1,000.00	\$2,200.00

B. Regulated Marijuana Business Renewal Application and Fees.

1. Medical Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>
<u>Medical Marijuana Center</u>	<u>\$1,500.00</u>	<u>\$300.00</u>
<u>Medical Marijuana-Infused Products Manufacturer</u>	<u>\$1,500.00</u>	
<u>Optional Premises Cultivation Operation</u>	<u>\$1,500.00</u>	
<u>Class 1 (1-500 plants)</u>	<u>\$800.00</u>	
<u>Class 2 (501-1,500 plants)</u>	<u>\$2,000.00</u>	
<u>Class 3 (1,501-3,000 plants)</u>	<u>\$2,000.00 plus an additional \$800 for each class of 3,000 plants over Class 3.</u>	
<u>Expanded Production Management (for each class of 3,000 plants over Class 3)</u>		
<u>Medical Marijuana Testing Facility</u>	<u>\$1,500.00</u>	
<u>Medical Marijuana Transporter</u>	<u>\$4,400.00</u>	
<u>Medical Marijuana Business Operator</u>	<u>\$2,200.00</u>	
<u>Marijuana Research and Development Facility</u>	<u>\$1,500.00</u>	
<u>Marijuana Research and Development Cultivation</u>	<u>\$1,500.00</u>	

2. Retail Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>

Retail Marijuana Store	\$1,500.00	\$300.00
Retail Marijuana Products Manufacturing Facility	\$1,500.00	
Retail Marijuana Cultivation Facility Tier 1 (1-1,800 plants) Tier 2 (1,801-3,600 plants) Tier 3 (3,601-6,000 plants) Tier 4 (6,001-10,200 plants) Tier 5 (10,201-13,800 plants)	\$1,500.00	
	\$800.00	
	\$1,500.00	
	\$3,000.00	
	\$5,000.00	
	\$5,000.00 plus an additional \$800.00 for each tier of 3,600 plants over Tier 5	
Retail Marijuana Testing Facility	\$1,500.00	
Retail Marijuana Transporter	\$4,400.00	
Retail Marijuana Business Operator	\$2,200.00	

C. Owner Request for a Finding of Suitability, Owner License and Owner Identification Badge – Initial Application and Renewal Fees.

1. Controlling Beneficial Owner Request for a Finding of Suitability.

- a. Colorado Resident Controlling Beneficial Owner - \$800.00 Per Natural Person**
- b. Non-Resident Controlling Beneficial Owner - \$5,000.00 Per Natural Person**
- c. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include either a \$800.00 (Colorado resident) or a \$5,000.00 (non-resident) fee for each of its Executive Officers and any person that indirectly Beneficially Owns ten percent or more of the Regulated Marijuana Business.**

2. Owner License and Owner Identification Badge. A Person possessing an Owner License may be issued an Identification Badge. Only Controlling Beneficial Owners and Passive Beneficial Owners can obtain an Owner License.

- a. Controlling Beneficial Owner and any Passive Beneficial Owner Subject to a Finding of Suitability - License Fee. A Controlling Beneficial Owner or Passive Beneficial Owner who was found suitable after November 1, 2019, and within the preceding 365 days, must pay a license fee of \$75.00 prior to obtaining an Owner Identification Badge.**
- b. Passive Beneficial Owner Application and License Fee. A Passive Beneficial Owner may, but is not required to, apply for an Owner License and Identification Badge. A Passive Beneficial Owner who has not obtained a finding of suitability**

after November 1, 2019, and within the preceding 365 days, must pay an initial application and license fee of \$800.00 (Colorado resident) or \$5,000.00 (non-resident) fee for each natural person or, if the Passive Beneficial Owner is an Entity, the Entity must pay the fee for each of its Executive Officers.

i. Of the total Passive Beneficial Owner application and license fee, \$75.00 is the license fee and the remaining \$725.00 (Colorado resident) or \$4,925.00 (non-resident) is the application fee. A Person submitting an application for a Passive Beneficial Owner license may submit the total fee of either \$800.00 or \$5,000.00 in one form of payment.

3. Owner License Renewal Fee. All Controlling Beneficial Owners and Licensed Passive Beneficial Owners - \$500.00

D. Employee License – Initial Application and Renewal Fees.

1. Key License Initial Application and License Fee - \$250.00

a. Of the total Key License application and license fee, \$225.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Key License may submit the total fee of \$250.00 in one form of payment.

2. Support License Initial Application and License Fee - \$75.00

a. Of the total Support License application and license fee, \$50.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Support License may submit the total fee of \$75.00 in one form of payment.

3. Key and Support License Renewal Fee - \$75.00

E. Temporary Appointee Registration - Request for Finding of Suitability Fees

1. Natural Person - \$225.00

2. Entity - \$800.00

F. Other Fees. The following other fees apply:

1. Permits.

a. Off Premises Storage Permit - \$1,500.00

b. Medical Marijuana Transporter Off Premises Storage Permit - \$2,200.00

c. Centralized Distribution Permit Initial and Renewal Fee - \$20.00

d. R&D Co-Location Permit Initial and Renewal Fee - \$50.00

2. Regulated Marijuana Business Changes.

a. Change of Controlling Beneficial Owner – Not Involving a Publicly Traded Corporation – New Controlling Beneficial Owner(s) - \$1,600.00

b. Change of Entity Type/Jurisdiction - \$800.00

c. Change of Trade Name - \$50.00

- d. Change of Location - \$500.00
 - e. Modification of Licensed Premises - \$100.00
 - 3. Licensed Research Business Research Project Proposal - \$500.00
 - 4. Responsible Vendor Provider Applications.
 - a. Responsible Vendor Provider Initial Application - \$850.00
 - b. Responsible Vendor Provider Renewal Application - \$350.00
 - 5. Duplicate License, Identification Badge, or Certificate.
 - a. Duplicate Business License - \$20.00
 - b. Duplicate Owner or Employee Identification Badge - \$20.00
 - c. Responsible Vendor Program Provider Duplicate Certificate - \$50.00
- G. When Fees are Due. All fees in this Rule are due at the time the application or request is submitted.

Basis and Purpose – Rule 210-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304(1), 44-12-202(2)(b), 24-4-105(2), and 44-12-601(2), C.R.S. The purpose of this rule is to clarify the duties that Applicants and Licensees have when reporting to the State Licensing Authority information that is necessary for the issuance of a state license. These duties include but are not limited to reporting and keeping a mailing address current, reporting a felony conviction or other disqualifying event, cooperating with the State Licensing Authority and his or her employees, and notifying the State Licensing Authority of any change of registered agent in the State of Colorado.

Rule 210–1 – Duties of All Applicants and Licensees

- A. Duty to Keep Mailing Address Current: All Licensees.
 - 1. Timing of Notification. An Applicant or Licensee must provide a physical mailing address to the Division and may provide an electronic mailing address to the Division. A Licensee must inform the Division in writing of any change to its physical mailing address and/or electronic mailing address within 28 days of the change. The Division will not change a Licensee's information without written notice from the Licensee or its authorized agent.
 - 2. State Licensing Authority and Division Communications. The State Licensing Authority and Division will send any formal notifications or determinations regarding any application or an administrative action to the last mailing address and to the last electronic mailing address, if any, furnished to the Division by the Applicant or Licensee.
 - 3. Failure to Change Address Does Not Relieve Applicant's or Licensee's Obligations. An Applicant's or Licensee's failure to notify the Division of a change of physical or electronic mailing address does not relieve the Applicant or Licensee from the obligation of responding to a Division communication or a State Licensing Authority communication.
- B. Duty to Report Felony Convictions, Deferred Sentences and Judgments. An Applicant or Licensee must notify the Division in writing of any felony conviction or deferred sentence or judgment regarding a felony against him or her within seven days of the conviction or deferred

sentence or judgment. The notification must include disposition documents. Failure to make required notification to the Division may be grounds for administrative action.

- C. Duty to Report Any Disqualifying Event. Applicants and Licensees must notify the Division within seven days of any change of fact that would result in the Applicant or Licensee being disqualified from holding a license, permit, or registration pursuant to the Medical Code, the Retail Code, or these Rules.
- D. Duty to Cooperate. Applicants and Licensees must cooperate in any investigation conducted by the Division. Failure to cooperate with a Division investigation may be grounds for denial of an application or for administrative action against a Licensee.
- E. Duty to Report Change of Registered Agent. A Regulated Marijuana Business must disclose any change of its registered agent in the State of Colorado within seven days of the change.

Basis and Purpose – Rule 215-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(XIX), 44-11-202(2)(a)(XXIV), 44-11-202(5)(a)(I)-(III), 44-11-304, 44-11-306, 44-11-307, 44-11-309, 44-11-310, 44-11-311, 44-11-313, 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a)(XIV), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-202(6)(a)(I)-(III), 44-12-303, 44-12-305, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to clarify the type of information an Applicant or Licensee must provide to the State Licensing Authority to require notification of the applicable local licensing authority or local jurisdiction, a requirement that the Applicant or Licensee establish he or she is not a person prohibited under the Medical or Retail Codes, and to require submission of documents necessary to establish financial history and tax compliance.

Rule 215-1 – All Application Requirements

This Rule 215-1 applies to all applications submitted to the Division for a license, permit or registration provided by the Medical Code or the Retail Code.

- A. Division Forms Required. All applications for licenses, registrations or permits authorized by subsections 44-11-401(1) and (1.5), or 44-12-401(1) and (1.5), C.R.S., must be made on current Division forms.
- B. Application Fees Required. Applications must be accompanied by full remittance of the required application and license fees. See Rule 205-1.
- C. Complete, Accurate, and Truthful Applications Required. Applications must be complete, accurate and truthful and include all attachments and supplemental information. Incomplete applications may not be accepted by the Division.
- D. Local Licensing Authority/Local Jurisdiction.
 - 1. Each application must identify the applicable local licensing authority or local jurisdiction.
 - 2. If the local licensing authority or local jurisdiction requires a physical copy of the application, the Applicant or Licensee must submit the original application and one identical copy to the Division. Otherwise the Applicant or Licensee must submit only the original application to the Division.
- E. Applicant Not Prohibited from Licensure. Applicants must provide information establishing the Applicant is not a Person prohibited from licensure by sections 44-11-306 or 44-12-305, C.R.S. Each natural person required to obtain an Owner License or an Employee License must provide proof of lawful presence or citizenship, and Colorado residency, if required.

F. Additional Information and Documents May Be Required.

1. Upon request by the Division, an Applicant must provide additional information or documents required to process and investigate the application. The additional information or documents must be provided to the Division within seven days of the request, however, this deadline may be extended for a period of time commensurate with the scope of the request.
2. An Applicant's failure to provide requested information or documents by the deadline may be grounds for denial of the application.

G. Application Forms Accessible. All application forms provided by the Division and filed by an Applicant for a license, registration, or permit, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code, for investigation or enforcement of any international, federal, state, or local securities law or regulation, for any other state or local law enforcement purpose, or as otherwise required by law.

Basis and Purpose – Rule 220-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(e), 44-11-202(2)(a)(XVI), 44-11-202(a)(XVII), 44-11-202(5)(a), 44-11-301, 44-11-304, 44-11-310, 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(XII), 44-12-202(3)(c)(VII), 44-12-202(6)(a), 44-12-303, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to establish the general requirements and processes for submission of an initial application to the State Licensing Authority.

Rule 220–1 – Initial Application Requirements for Regulated Marijuana Businesses

- A. Documents and Information Required. Every initial application for a Regulated Marijuana Business license must include all required documents and information including, but not limited to:
1. A copy of the local license application, if required, for a Regulated Marijuana Business.
 2. Certificate of Good Standing from the jurisdiction in which the Entity was formed, which must be one of the states of the United States, territories of the United States, District of Columbia or another country that authorizes the sale of marijuana.
 3. If the Applicant is an Entity, the identity and physical address of its registered agent in the state of Colorado.
 4. Organizational Documents. Articles of incorporation, by-laws, and any shareholder agreement for a corporation; articles of organization and operating agreement for a limited liability company; or partnership agreement for a partnership.
 5. Corporate Governance Documents:
 - a. A Regulated Marijuana Business that is a Publicly Traded Corporation must maintain corporate governance documents as required by the securities exchange on which its securities are listed and traded and 44-11-104(22.7)(a)(II)(B) and 4-12-103(19.5)(a)(II)(B), C.R.S., and must provide those corporate governance documents with each initial application.
 - b. A Regulated Marijuana Business that is not a Publicly Traded Corporation is not required to maintain any corporate governance documents. However, if the Regulated Marijuana Business that is not a Publicly Traded Corporation

voluntarily maintains corporate governance documents, the Division encourages inclusion of such documents with each initial application.

6. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Applicant is, or will be, entitled to possession of the premises for which the application is made.
7. Legible and accurate diagram for the facility. The diagram must include a plan for the Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide a .pdf copy of the diagram.
8. All required findings of suitability issued by the Division.
9. All required Owner License application(s).
10. If the applicant is a Publicly Traded Corporation,
 - a. Documents establishing the Publicly Traded Corporation qualifies to hold a Regulated Marijuana Business license including but not limited to disclosure of the securities exchange(s) on which its Securities are listed and traded, the stock symbol(s), the identity of all regulators with regulatory oversight over its Securities; and
 - b. Divestiture plan for any Controlling Beneficial Owner that is a Person prohibited by the Medical Code or the Retail Code, has had her or his Owner License revoked, or has been found unsuitable.
11. Financial Statements. Consolidated financial statements (which may be prepared on either a calendar or fiscal year basis) that were prepared in the preceding 365 days, and which must include a balance sheet, an income statement, and a cash flow statement. If the Applicant or Regulated Marijuana Business is required to have audited financial statements by another regulator (e.g. United States Securities and Exchange Commission or the Canadian Securities Administrators) the financial statements provided to the Division must be audited and must also include all footnotes, schedules, auditors' report(s), and auditor's opinion(s). If the financial statements are publicly available on a website (e.g. EDGAR or SEDAR), the Applicant or Regulated Marijuana Business may provide notification of the website link where the financial statements can be accessed in lieu of hardcopy submission.
12. Tax Documents. Documentation establishing compliant return filing and payment of taxes related to any Regulated Marijuana Business in which the Person is, or was, required to file and pay taxes.

B. Local Licensing/Approval Required.

1. Medical Marijuana Business Local Licensing Authority Approval Required.
 - a. If the Division grants a license to a Medical Marijuana Business before the local licensing authority approves the application or grants a local license, the state license will be conditioned upon local approval. If the local licensing authority denies the application, the state license will be revoked.
 - b. An Applicant is prohibited from operating a Medical Marijuana Business prior to obtaining all necessary licenses, registrations, permits or approvals from both the State Licensing Authority and the local licensing authority.

2. Retail Marijuana Business Local Jurisdiction Approval Required.

- a. If the Division grants a license for a Retail Marijuana Business before the local jurisdiction approves the application or grants a local license, the license will be conditioned upon local jurisdiction approval. If the local jurisdiction denies the application, the state license will be revoked.
- b. The Applicant has one year from the date of licensing by the State Licensing Authority to obtain approval or licensing from the local jurisdiction. If the Applicant fails to obtain local jurisdiction approval or licensing within one year from grant of the state license, the state license expires and may not be renewed.
- c. An Applicant is prohibited from operating a Retail Marijuana Business prior to obtaining all necessary approvals or licenses from both the State Licensing Authority and the local jurisdiction.

Basis and Purpose – Rule 225-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(XVI), 44-11-202(2)(a)(XVII), 44-11-305, 44-11-310, 44-11-311, 44-12-202(2)(b), 44-12-202(3)(c)(VII), 44-12-304, 44-12-309, and 44-12-310, C.R.S. The purpose of this rule is to establish the requirements and procedures for the license renewal process.

Rule 225–1 – Renewal Application Requirements for All Licensees

A. License Periods.

- 1. Regulated Marijuana Business and Owner Licenses are valid for one year from the date of issuance.
- 2. Medical Marijuana Transporters, Retail Marijuana Transporters, and Employee Licenses are valid for two years from the date of issuance.

B. Division Notification Prior to Expiration.

- 1. The Division will send a notice for license renewal 90 days prior to the expiration of an existing license by first class mail to the Licensee's physical address of record.
- 2. Failure to receive the Division notification does not relieve the Licensee of the obligation to timely renew the license.

C. Renewal Deadline.

- 1. A Licensee may apply for the renewal of an existing license at least 30 days prior to the license's expiration date. A renewal application filed at least 30 days prior to expiration of the license is timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until a Final Agency Order on the renewal application.
- 2. If the Licensee files a renewal application less than 30 days prior to expiration, the Licensee must provide a written explanation detailing the circumstances surrounding the untimely filing. If the Division accepts the application, then the application is deemed timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until Final Agency Order on the renewal application.

D. License Expiration.

1. If License Not Renewed Before Expiration. A license is immediately invalid upon expiration if the Licensee has not filed a renewal application and remitted all of the required application and license fees prior to the license expiration date. A Regulated Marijuana Business that fails to file a renewal application and remit all required application and license fees prior to the license expiration date must not operate unless it first obtains a new state license and any required local license.
 2. Administratively Continued Regulated Marijuana License. In the event of a renewal application filed after the license expiration date, a Regulated Marijuana Business may not operate unless and until the Division informs the Regulated Marijuana Business Licensee that the license has been administratively continued. A Regulated Marijuana Business whose license has been administratively continued may continue to operate until Final Agency Order on the renewal application. Review of the renewal application will include, among other factors, a review of whether the Regulated Marijuana Business operated with an expired license.
 3. The Division will not accept a renewal application filed more than 90 days after the expiration date of the license. A Regulated Marijuana Business license that expired over 90 days prior to submission of the Regulated Marijuana Business' renewal application may only submit a new initial application to the State Licensing Authority.
- E. Voluntarily Surrendered or Revoked Licenses Not Eligible for Renewal. Any license that was voluntarily surrendered or revoked by a Final Agency Order is not eligible for renewal. Any Licensee who voluntarily surrendered its license or has had its license revoked by a Final Agency Order may only submit an initial application. The State Licensing Authority will consider the voluntary surrender or the Final Agency Order and all related facts and circumstances in determining approval of any subsequent initial application.
- F. Licenses Subject to Ongoing Administrative Action. Licenses subject to an administrative action are subject to the requirements of this Rule. Licenses that are not timely renewed expire.
- G. Documents Required at Renewal. A Regulated Marijuana Business must provide the following documents with every renewal application:
1. Any document required by Rule 220-1(A)(1) through (10) that has changed since the document was last submitted to the Division. It is a license violation affecting public safety to fail to submit any document that changed since the last submission for the purpose of circumventing the requirements of the Medical Code, the Retail Code or these Rules;
 2. A copy of the approval or licensure from the local licensing authority and/or local jurisdiction or documentation demonstrating timely submission of pending local license renewal application;
 3. A list of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency, including but not limited to the United States Securities and Exchange Commission or the Canadian Securities Administrators.
 4. A Regulated Marijuana Business operating under a single Entity name with more than one license may submit the following documents only once each calendar year on the first license renewal in lieu of submission with every license renewal in the same calendar year:
 - a. Tax documents and financial statements required by Rule 220-1(A)(11) and (12);
 - b. If the Regulated Marijuana Business is a Publicly Traded Corporation, the most recent list of Non-Objecting Beneficial Owners possessed by the Regulated Marijuana Business;

- c. A copy of any management agreement(s) the Regulated Marijuana Business has entered into. For example, management agreements include any agreement between the Regulated Marijuana Business and any Person, regardless of whether that Person is licensed, for the management of the overall operations of the Regulated Marijuana Business or its Licensed Premises or any material portion of the Regulated Marijuana Business or its Licensed Premises; and
- d. Contracts, agreements, royalty agreements, equipment lease, financing agreement, or security contract for any Indirect Financial Interest Holder that is required to be disclosed by Rule 230-1(A)(3).

Basis and Purpose – Rule 230-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(VIII), 44-11-202(2)(a)(IX), 44-11-202(2)(a)(XVI), 44-11-202(2)(a)(XVII), 44-11-307.5, 44-11-313, 44-12-202(3)(c)(IV), 44-12-202(3)(c)(V) 44-12-202(3)(a)(III), 44-12-306.5, and 44-12-313, C.R.S. Sections 44-11-307.5 and 44-12-306.5, C.R.S., establish varying disclosure requirements for Applicants and Licensees regarding disclosure of financial interests and ownership in a Regulated Marijuana Business. The purpose of this rule is to clarify information an Applicant or Licensee must disclose to the State Licensing Authority at the various levels, which include mandatory disclosure, disclosure in the State Licensing Authority's discretion, and disclosure for reasonable cause. This rule also provides factors that will be considered in determining whether a Regulated Marijuana Business exercised reasonable care and whether a Person is in control of a Regulated Marijuana Business.

Rule 230–1 – Disclosure of Financial Interests in a Regulated Marijuana Business

- A. Mandatory Disclosures. Information required to be disclosed by sections 44-11-307.5 and 44-12-306.5, C.R.S., must be identified in every initial, renewal and change of owner application. Mandatory disclosures include, but are not limited to:
 - 1. All Regulated Marijuana Businesses (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations) must disclose an organizational chart including the identity and ownership percentages of all Controlling Beneficial Owners;
 - 2. All Controlling Beneficial Owners.
 - a. For any Controlling Beneficial Owner that is an Entity (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations):
 - i. The Controlling Beneficial Owner's Executive Officers; and
 - ii. Beneficial Owners of ten percent or more of the Controlling Beneficial Owner.
 - b. Natural Persons:
 - i. Name,
 - ii. Address,
 - iii. Date of birth,
 - iv. Social Security Number or other Federal Government issued identification number.
 - c. Qualified Private Fund: Organizational chart reflecting the identity and ownership percentages of the Qualified Private Fund's Executive Officers, investment

advisers, investment adviser representatives, any trustee or equivalent, and any other Person that controls the investment in, or management or operations of, a Regulated Marijuana Business

3. Any Indirect Financial Interest Holder that:

- a. Holds two or more indirect financial interests,
- b. Is also a Passive Beneficial Owner, or
- c. That is contributing debt financing, secured or unsecured, that has not previously been disclosed and exceeds fifty percent of the operating capital of the Regulated Marijuana Business or if the calculation yields a negative number. Operating capital is defined as total current and fixed assets less total liabilities (as presented on the balance sheet consistent with the business's past practices), measured as of the nearest month's end prior to the date of the applicable loan document(s).

B. Discretionary Disclosure. In his or her reasonable discretion, the State Licensing Authority may require disclosure following an initial or renewal application for a Regulated Marijuana Business as follows:

- 1. For a Regulated Marijuana Business or a Controlling Beneficial Owner, neither of which is a Publicly Traded Corporation, its:
 - a. Affiliates,
 - b. Beneficial Owners of a Controlling Beneficial Owner;
- 2. Qualified Private Fund's Affiliates; and
- 3. Managers of a Controlling Beneficial Owner.

C. Reasonable Cause Disclosure. An Applicant will be notified by the State Licensing Authority of Reasonable Cause to require additional disclosure. The State Licensing Authority's notification will identify the facts and law supporting Reasonable Cause for the disclosure and the deadline for disclosure. The following may be required to be disclosed by the State Licensing Authority's notification:

- 1. An updated list of all Non-objecting Beneficial Owners in a Publicly Traded Corporation that is either a Regulated Marijuana Business or a Controlling Beneficial Owner reflecting ownership as of the date of request;
- 2. All Passive Beneficial Owners in a Regulated Marijuana Business that is not a Publicly Traded Corporation. If the Passive Beneficial Owner is not a natural person, the members of the board of directors, general partners, managing members, or Managers or Executive Officers and Beneficial Owners of ten percent or more of the Passive Beneficial Owner;
- 3. A list of all Beneficial Owners of a Qualified Private Fund;
- 4. All Indirect Financial Interest Holders of a Regulated Marijuana Business, and, for any Indirect Financial Interest Holder that is an Entity, the Beneficial Owners of ten percent and more of the Indirect Financial Interest Holder.

D. Affirmation of Reasonable Care.

1. Reasonable Care Affirmation for a Regulated Marijuana Business that is not a Publicly Traded Corporation. A Regulated Marijuana Business that is not a Publicly Traded Corporation must affirm it exercised reasonable care to confirm its Passive Beneficial Owner(s), including any Qualified Institutional Investors, and Indirect Financial Interest Holder(s) are not Persons prohibited under these Rules, the Medical Code or the Retail Code. A Regulated Marijuana Business exercises reasonable care if it:
 - a. Receives documentation from each Passive Beneficial Owner, including any Qualified Institutional Investor, and each Indirect Financial Interest Holder affirming each is not a Person prohibited by these Rules, or the Medical Code or Retail Code; and
 - b. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Passive Beneficial Owner or Indirect Financial Interest Holder's affirmation.
 2. Reasonable Care Affirmation for a Regulated Marijuana Business that is a Publicly Traded Corporation. A Regulated Marijuana Business that is a Publicly Traded Corporation must affirm that it exercised reasonable care to confirm its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, and Indirect Financial Interest Holder(s) are not Persons prohibited by these Rules, the Medical Code or Retail Code. A Regulated Marijuana Business that is a Publicly Traded Corporation exercises reasonable care if it:
 - a. At least annually, checks a list of its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, against the Specially Designated Nationals and Blocked Persons List (SDN List) on the United States Treasury Office of Foreign Assets Control (OFAC) website and the Financial Industry Regulatory Authority (FINRA) website for Persons Barred by FINRA to determine if there are any prohibited Persons;
 - b. Receives documentation from its Indirect Financial Interest Holder(s) affirming each is not a Person prohibited these Rules, the Medical Code or the Retail Code; and
 - c. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Indirect Financial Interest Holder's affirmation.
 3. An Applicant's or a Regulated Marijuana Business's failure to exercise reasonable care is grounds for denial, fine, suspension, revocation, or other sanction by the State Licensing Authority. An Applicant or Regulated Marijuana Business in compliance with subparagraphs (D)(1)-(2) of this Rule has exercised reasonable care. The State Licensing Authority may consider facts and circumstances beyond those in subparagraphs (D)(1)-(2) in determining whether an Applicant or a Regulated Marijuana Business exercised reasonable care.
- E. Control. The State Licensing Authority will consider all facts and circumstances in determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.
1. Non-Exhaustive Factors. Non-exhaustive facts and circumstances that will be considered when evaluating Control include, but are not limited to:
 - a. The Person's percentage of ownership, if any;
 - b. The Person's ability to influence the decision of the Regulated Marijuana Business;

- c. The Person is a Manager of the Regulated Marijuana Business;
 - d. The Person has a close relationship, familial tie or common purpose or motive with one or more Persons in Control of the Regulated Marijuana Business;
 - e. The Person has substantial business relationship(s) with the Regulated Marijuana Business;
 - f. The Person has the ability to control the proxy machinery or to win a proxy contest;
 - g. The Person is a primary creditor of the Regulated Marijuana Business; or
 - h. The Person is the original incorporator of the Regulated Marijuana Business.
2. Totality of the Evidence. The State Licensing Authority may consider the totality of the evidence when determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.

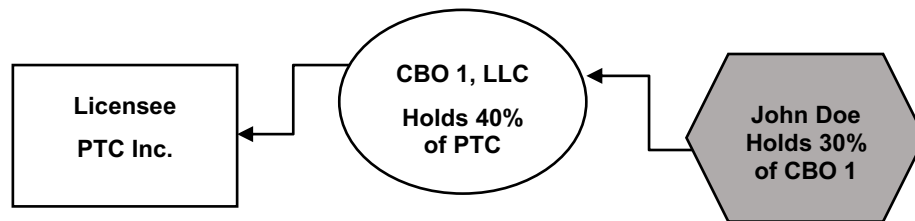
Basis and Purpose – Rule 235-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.6, 44-11-309(4), 44-11-313, 44-12-202(6)(a), 44-12-306.6, 44-12-308(4), and 44-12-312, C.R.S. For those persons disclosed or who should have been disclosed to the State Licensing Authority, sections 44-11-307.6 and 44-12-306, C.R.S., requires that a Person obtain a finding of suitability from the State Licensing Authority. The purpose of this rule is to explain the conditions under which a Person is subject to either a mandatory finding of suitability, a finding of suitability for reasonable cause, or qualified to obtain an exemption for a finding of suitability and to identify the information and documents that, at a minimum, must be submitted in connection with any Person's request for a finding of suitability.

Rule 235-1 – Suitability

- A. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Not Publicly Traded Corporations.
 - 1. Any Person intending to become a Controlling Beneficial Owner by submitting an initial application for any Regulated Marijuana Business that is not a Publicly Traded Corporation must first submit a request to the State Licensing Authority for a finding of suitability.
 - 2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
 - 3. Any Person that has not received a finding of suitability after November 1, 2019 and within the preceding 365 days who intends to become a Controlling Beneficial Owner by submitting a change of owner application for a Regulated Marijuana Business must submit a request to the State Licensing Authority for a finding of suitability contemporaneously with the change of owner application.
- B. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Publicly Traded Corporations.
 - 1. The following Persons must apply to the State Licensing Authority for a finding of suitability:

- a. Any Person that becomes a Controlling Beneficial Owner of any Regulated Marijuana Business that is a Publicly Traded Corporation; and
- b. Any Person that indirectly beneficially owns ten percent or more of the Regulated Marijuana Business that is a Publicly Traded Corporation through direct or indirect ownership of its Controlling Beneficial Owner. For example, assuming in the scenario depicted below, Licensee PTC Inc. has one-million shares of outstanding securities and CBO 1 owns 400,000 of those securities. John Doe owns 30% of CBO 1. Therefore, John Doe indirectly owns 12% of the outstanding securities of Licensee PTC Inc., and must apply to the State Licensing Authority for a finding of suitability:



2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
3. Timing of Request for Finding of Suitability Involving Publicly Traded Corporation.
 - a. Unless exempted under Rule 235-1(E), all Persons that will be a Controlling Beneficial Owner in a Regulated Marijuana Business that is entering into a Publicly Traded Corporation transaction described in Rule 245-1(C)(1) must first obtain a finding of suitability before the transaction can close or the public offering can occur.
 - b. A Person who becomes a Controlling Beneficial Owner in a Regulated Marijuana Business that is a Publicly Traded Corporation must submit a request for a finding of suitability to the State Licensing Authority within 45 days of becoming a Controlling Beneficial Owner.
- C. Finding of Suitability for Reasonable Cause. For Reasonable Cause, any other Person that was disclosed or should have been disclosed pursuant to Articles 44-11-307.5(1) or (2) or 44-12-306.5(1) or (2) or that was required to be disclosed based on previous notification of Reasonable Cause must submit a request to the State Licensing Authority for a finding of suitability. Any Person required to submit a request for a finding of suitability pursuant to this Rule must submit such request within 45 days from notice of the State Licensing Authority's determination of Reasonable Cause for the finding of suitability.
- D. Information Required in Connection with a Request for a Finding of Suitability. When determining whether a Person is suitable or unsuitable for licensure, the State Licensing Authority may consider the Person's criminal character or record, licensing character or record, or financial character or record. To consider a Person's criminal character or record, licensing character or record, and financial character or record, all requests for a finding of suitability must, at a minimum, be accompanied by the following information:
 1. Criminal Character or Record:

- a. A set of the natural person's fingerprints for purposes of a fingerprint-based criminal history record check.

2. Licensing Character or Record:

- a. Affirmation that the Person is not prohibited from holding a license under 44-11-307 or 44-12-306, C.R.S.
- b. A list of all Colorado Department of Revenue-issued business licenses held in the three years prior to submission of the request for a finding of suitability;
- b. A list of all Department of Regulatory Agencies business, professional or occupational licenses held in the three years prior to submission of the request for a finding of suitability;
- c. A list of any marijuana business or personal license(s) held in any other state or territory of the United States or District of Columbia or another country, where such license is or was at any time subject to a denial, suspension, revocation, surrender, or equivalent action by the licensing agency, commission, board, or similar authority; and
- d. Disclosure of any civil lawsuits in which the Person was named as a party where pleadings included allegations involving any Regulated Marijuana Business.

3. Financial Character or Record:

- a. Disclosure of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency other than the United States Securities and Exchange Commission;
- b. If the Person's request for a finding of suitability is for purposes of acquiring ten percent or more of the Owner's Interest in the Regulated Marijuana Business, copies of the Person's financial account statements for the preceding one-hundred eighty days for any accounts serving as a source of funding used to acquire the Owner's Interest in the Regulated Marijuana Business; or, if the Person is contributing one or more asset(s) to the Regulated Marijuana Business in exchange for the Owner's Interests, documents establishing the Person has owned such asset(s) for the preceding one-hundred eighty days.

E. Exemptions from a Finding of Suitability.

1. The following Persons are exempt from an otherwise required finding of suitability:

- a. Any Person that currently possesses an approved license issued by the State Licensing Authority and such license has not, in the preceding 365 days, been subject to suspension or revocation; or
- b. Any Person that obtained an approved finding of suitability after November 1, 2019, and within the preceding 365 days, and the Person submits an affirmation of the following: Since the prior finding of suitability, there has been no material change to information regarding the Person's criminal character or record, licensing character or record, or financial character or record.

2. Exemptions from an otherwise required finding of suitability are limited to those listed in this Rule. The State Licensing Authority will consider other factors that may inform amendments to this rule through the Department's formal rulemaking session.

- F. Timing to Approve or Deny a Finding of Suitability. Absent Reasonable Cause, the State Licensing Authority must approve or deny a finding of suitability within 120 days from the date of submission of the request for such finding, where such request was accompanied by all information required under subsection (D) of this Rule.

Basis and Purpose – Rule 240-1

The statutory basis for this rule includes but is not limited to sections 44-11-104(23.5), 44-11-202(5)(a)(III), 44-11-307.5(3), 44-11-307.6(10), 44-12-103(20.5), 44-12-202(6)(a)(III), 44-12-306.5(3), and 44-12-306.6(10), C.R.S. The purpose of this rule is to clarify the factors the State Licensing Authority will consider when determining whether reasonable cause exists to require disclosure, to require a finding of suitability or to extend the 120 day deadline for granting or denying a request for a finding of suitability.

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

- A. Non-Exhaustive Factors Informing Reasonable Cause Consideration. The State Licensing Authority may consider the following non-exhaustive factors when evaluating whether Reasonable Cause exists for disclosure, requiring a reasonable cause finding of suitability or extension of time to provide a finding of suitability:
1. The Person provided materially inaccurate or incomplete documents to the Division;
 2. The Person failed to provide required documents to the Division;
 3. The request for a finding of suitability is sufficiently complex such that a determination cannot be completed within the 120 day deadline specified;
 4. Information that an undisclosed Person is controlling or has the ability to control the Regulated Marijuana Business;
 5. Information indicating one or more Persons prohibited holds an interest in the Regulated Marijuana Business;
 6. Inability to obtain documents or information expected to be available from third-parties or publicly available sources;
 7. The Person interfered with, obstructed, or impeded a Division investigation;
 8. The Person failed to make any filing required by a securities regulator or securities exchange that has regulatory oversight over the Person;

Basis and Purpose – Rule 245-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307, 44-11-307.5, 44-11-307.6, 44-11-309, 44-11-310(4), 44-11-202(6)(a), 44-11-306, 44-11-306.5, 44-11-306.6, 44-12-308, and 44-12-309, C.R.S. The purpose of this rule is define the application process and conditions an Applicant or Licensee must meet when changing Beneficial Ownership in a Regulated Marijuana Business.

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

- A. Application for Change of Controlling Beneficial Owner(s) – Not a Publicly Traded Corporation.
1. Unless excepted pursuant to subparagraph (B) of this Rule, a Regulated Marijuana Business that is not a Publicly Traded Corporation must obtain Division approval before it transfers the Owner's Interests of any Controlling Beneficial Owner(s).

2. All applications for change of Controlling Beneficial Owner(s) must be executed by every Controlling Beneficial Owner whose Owner's Interests are proposed to change and any Person proposed to become a Controlling Beneficial Owner(s). Controlling Beneficial Owners who's Owner's Interest will not change are not required to execute the change of owner application; however, at least one Controlling Beneficial Owner and all Persons proposed to become a Controlling Beneficial Owner must execute every change of owner application.
3. The State Licensing Authority will not approve a change of owner application until:
 - a. Local Approval Required. If local approval is required, the proposed Controlling Beneficial Owner(s) demonstrates to the State Licensing Authority that local approval has been obtained;
 - i. If a local licensing authority or local jurisdiction requires a change of owner application and that application is denied, the State Licensing Authority will deny the State change of owner application;
 - b. No Local Approval Required. If local approval is not required, the proposed Controlling Beneficial Owner(s) demonstrates that such approval is not required and notifies the State Licensing Authority of the date by which the change of owner will be completed, which must be within thirty days of the Division's notice that such change of owner application is ready to be approved.
4. If the change of owner application proposes one or more new Controlling Beneficial Owner(s), the proposed new Controlling Beneficial Owner(s) cannot operate the Regulated Marijuana Business identified in the change of owner application until the application is approved in writing by the Division. Controlling Beneficial Owners that have already been approved in connection with ownership of the Regulated Marijuana Business may continue to operate the Regulated Marijuana Business. A violation of this requirement is grounds for denial of the change of owner application, may be a violation affecting public safety, and may result in disciplinary action against the Applicant's existing license(s).
5. If a Regulated Marijuana Business or any of its Controlling Beneficial Owner(s) apply for a change of owner and is involved in an administrative investigation or administrative action, the following may apply:
 - a. The change of owner application may be delayed or denied until the administrative action is resolved; or
 - b. If the change of owner application is approved by the Division, the transferor, the transferee, or both of them may be responsible for the actions of the Regulated Marijuana Business and its prior Controlling Beneficial Owners, and subject to discipline based upon the same.
6. Documents Required. Any change of owner application regarding a Controlling Beneficial Owner of a Regulated Marijuana Business that does not involve a Publicly Traded Corporation must include the following documents:
 - a. Asset purchase agreement, merger, sales contract, agreement, or any other document necessary to effectuate the change of owner;
 - b. Request for a finding of suitability for each proposed Controlling Beneficial Owner(s);

- c. Operating agreement, by-laws, partnership agreement or other governing document as will apply to the Regulated Marijuana Business if the change of owner application is approved;
 - d. Request for voluntary surrender form for the Owner License of any Controlling Beneficial Owner that will not remain a Controlling Beneficial Owner, or Passive Beneficial Owner electing to hold an Owner License in a Regulated Marijuana Business if the change of owner application is approved;
 - e. Copy of current Medical or Retail Marijuana State Sales Tax or Wholesale license and any other documents necessary to verify tax compliance; and
 - f. Owner License application(s) for any proposed Controlling Beneficial Owner that does not already hold a valid Owner License.
7. Licensee Initiates Change of Owner for Permitted Economic Interests Issued Prior to January 1, 2020. All natural persons holding a Permitted Economic Interest who seek to become a Controlling Beneficial Owner are subject to this Rule. The Regulated Marijuana Business must initiate the change of owner process for a natural person holding a Permitted Economic Interest who seeks to convert its interest and become a Controlling Beneficial Owner in a Regulated Marijuana Business. Prior to submitting a change of owner application, the Permitted Economic Interest holder must obtain a finding of suitability pursuant to Rule 235-1 including any required criminal history record check. Permitted Economic Interest holders who fail to obtain a finding of suitability to become a Controlling Beneficial Owner may remain as a Permitted Economic Interest holder.
8. Medical Marijuana Transporters and Retail Marijuana Transporters Not Eligible for Change of Owner. Medical Marijuana Transporters and Retail Marijuana Transporters are not eligible to transfer the entire Beneficial Ownership of their Regulated Marijuana Business.

B. Exemptions to the Change of Owner Application Requirement.

1. Entity Conversions. A Regulated Marijuana Business or a Controlling Beneficial Owner may combine with, convert including but not limited to under sections 7-90-201 et seq., C.R.S., or engage in a transaction in which all of its assets are transferred or sold for the exclusive purpose of changing its Entity jurisdiction in one of the states or territories of the United States or the District of Columbia or its Entity type without filing a change of owner application if the Controlling Beneficial Owners and their Owner's Interests will remain the same after the combination, conversion or sale. Within 14 days of the combination, conversion, or sale the Regulated Marijuana Business must submit a written notification to the Division including:
- a. A copy of any transaction documents.
 - b. Documents submitted to the Colorado Secretary of State.
 - c. Any document submitted to the secretary of state or similar regulator if the Entity is organized under the laws of a state of the United States other than Colorado, territory of the United States or the District of Columbia.
 - d. Identification of the Regulated Marijuana Business's or Controlling Beneficial Owner's registered agent.
 - e. Identification of any Passive Beneficial Owner and Indirect Financial Interest Holder for which disclosure is required by Rule 230-1.

2. Reallocation of Owner's Interests Among Controlling Beneficial Owners. A Regulated Marijuana Business may reallocate Owner's Interests among existing Controlling Beneficial Owners holding valid Owner Licenses if it provides notification of the reallocation to the Division with its next renewal application as long as the Controlling Beneficial Owners remain unchanged.

C. Change of Owner Involving a Publicly Traded Corporation. This Rule applies to transactions involving any Publicly Traded Corporation.

1. Publicly Traded Corporation Transactions. A Regulated Marijuana Business may transact with a Publicly Traded Corporation in the following ways:

a. Merger with a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to receive, directly or indirectly, an investment from, or intends to merge or consolidate with a Publicly Traded Corporation, whether by way of merger, combination, exchange, consolidation, reorganization, sale of assets or otherwise, including but not limited to any shell company merger.

b. Investment by a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to transfer, directly or indirectly, ten percent or more of the Securities in the Regulated Marijuana Business to a Publicly Traded Corporation, whether by sale or other transfer of outstanding Securities, issuance of new Securities, or otherwise.

c. Public Offering. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to become, directly or indirectly, a Publicly Traded Corporation, whether by effecting a primary or secondary offering of its Securities, uplisting of outstanding Securities, or otherwise.

2. Required Finding(s) of Suitability.

a. Pre-Transaction Findings of Suitability Required. Any Person intending to become a Controlling Beneficial Owner in a Regulated Marijuana Business in connection with any transaction identified in subparagraph (C)(1)(a) through (c) above, must obtain a finding of suitability prior to the Publicly Traded Corporation transaction closing or becoming effective.

b. Ongoing Suitability Requirements. Any Person who becomes a Controlling Beneficial Owner of a Publicly Traded Corporation that is a Regulated Marijuana Business must apply to the State Licensing Authority for a finding of suitability or an exemption from a finding of a suitability pursuant to Rule 235-1 within forty-five days of becoming a Controlling Beneficial Owner. A Publicly Traded Corporation that is a Regulated Marijuana Business must notify any Person that becomes a Controlling Beneficial Owner of the suitability requirements as soon as the Regulated Marijuana Business becomes aware of the ownership subjecting the Person to this requirement; however, the Controlling Beneficial Owner's obligation to timely request the required finding of suitability is independent of, and unaffected by, the Regulated Marijuana Business's failure to make the notification.

3. Mandatory Disclosure of Required, United States Securities and Exchange Commission, Canadian Securities Administrators and/or Securities Exchange Filings. A Regulated Marijuana Business and any Controlling Beneficial Owner that is required to file any document with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other similar securities regulator or any securities exchange regarding any change of owner in subparagraphs (C)(1)(a) through (c) above must also provide a notice to the Division at the same time as the filing with the United

States Securities and Exchange Commission, the Canadian Securities Administrators or the securities exchange.

4. Ordinary Broker Transactions. Resales or transfers of Securities of a Publicly Traded Corporation that is a Regulated Marijuana Business or Controlling Beneficial Owner or Passive Beneficial Owner in ordinary broker transactions through an established trading market do not require a change of owner application or prior approval from the State Licensing Authority.

D. Change of Passive Beneficial Owner. Persons are not required to submit an application or obtain prior approval of their ownership if: (1) the Person will remain a Passive Beneficial Owner after the acquisition of Owner's Interests is complete, and (2) disclosure is not otherwise required by sections 44-11-307.5 or 44-12-306.5, C.R.S, or Rule 230-1.

E. Controlling Beneficial Owner Dispute.

1. In the event of a dispute between Controlling Beneficial Owner(s) not involving divestiture under Rule 275-1 and precluding or otherwise impeding the ability to comply with these Rules, a Regulated Marijuana Business that is not a Publicly Traded Corporation must either submit a change of owner application or initiate mediation, arbitration or a judicial proceeding within 90 days of the dispute. The 90 day period may be extended for an additional 90 days upon a showing of good cause by the Regulated Marijuana Business.
2. A Regulated Marijuana Business that is not a Publicly Traded Corporation must submit a change of owner application within forty-five days of entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. Any change of owner application based on a final court order, final arbitration award, or fully executed settlement agreement must include a copy of the order or settlement agreement and remains subject to approval by the Division. In this circumstance, the change of owner application needs to be executed by at least one remaining Controlling Beneficial Owner.
3. If mediation, arbitration or a judicial proceeding is not timely initiated or a change of owner application is not timely submitted following entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business that is not a Publicly Traded Corporation, the Regulated Marijuana Business and its Owner Licensee(s) may be subject to fine, suspension or revocation of their license(s).

Basis and Purpose – Rule 250-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.5(6), 44-12-202(6)(a), and 44-11-306.5(6), C.R.S. The purpose of this rule is to require notification to the State Licensing Authority of any filing with a securities regulator by an Applicant or Licensee.

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

- A. A Regulated Marijuana Business that is a Publicly Traded Corporation must provide notice on Division forms within two business days of any non-confidential filing with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other securities regulator, or any security exchange on which the Securities are listed or traded. The notice must identify the title of the document and include a hyperlink to the website where the document is publicly available (example EDGAR or SEDAR link for the Publicly Traded Corporation).

- B. In addition to any other administrative or investigative requests or inquiries, the Division may contact a Regulated Marijuana Business that is a Publicly Traded Corporation to obtain clarification of a securities filing.
- C. This rule is currently limited to require notice of securities filings that are not confidential. However, this rule may be evaluated during subsequent rulemaking proceedings and/or in connection with development of a policy regarding confidential securities filings.

Basis and Purpose – Rule 255-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(I), 44-12-309(6), 44-12-309(12) and 44-12-303, C.R.S. The purpose of this rule is to clarify the application process for changing location of a Licensed Premises.

Rule 255–1 – Change of Location of a Regulated Marijuana Business

- A. Application Required Before Changing Location of Licensed Premises. A Regulated Marijuana Business must apply for and receive Division approval before changing the location of its Licensed Premises.
- B. Application Requirements. A change of location application must include:
1. At least one signature of a Controlling Beneficial Owner and representation that the signing Controlling Beneficial Owner(s) is/are authorized to submit the application on behalf of the Regulated Marijuana Business.
 2. Evidence the local licensing authority and/or the local jurisdiction in which the Regulated Marijuana Business proposes to move have approved the proposed new location.
 3. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Licensee is, or will be, entitled to possession of the premises for which the application is made.
 4. Legible and accurate floor plans for the proposed Licensed that complies with the requirements of the M/R 300 Series of these Rules. The floor plans must include a plan for the proposed Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide the diagram in a portable document format (.pdf).
- C. Change of Location Permit Required.
1. A Regulated Marijuana Business cannot change the location of its Licensed Premises until it receives a change of location permit from the Division.
 2. The permit is effective on the date of issuance, and the Licensee must, within 120 days, change the location of its Regulated Marijuana Business to the place specified in the change of location permit and at the same time cease to operate a Regulated Marijuana Business at the former location. For good cause shown, the 120 day deadline may be extended for an additional 120 days.
 3. A Regulated Marijuana Business cannot operate or exercise any of the privileges of its license(s) in both locations.
 4. If the Regulated Marijuana Business does not change the location of its Licensed Premises within the time period granted by the Division, including any extension, the

Regulated Marijuana Business must submit a new application, pay the change of location fee, and receive a new change of location permit prior to changing the location of its Licensed Premises.

- D. Violation Affecting Public Safety. It is a violation affecting public safety if a Regulated Marijuana Business changes the location of its Licensed Premises without first obtaining a change of location permit from the Division, and any required approval(s) from the local licensing authority and/or local jurisdiction.

Basis and Purpose – Rule 260-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(VII), 44-11-202(2)(a)(X), 44-11-202(2)(a)(XVII), 44-11-307(2), 44-11-306, 44-11-310(6), 44-11-401, 24-76.5-101 et seq., 44-11-601(1), 44-12-202(2)(b), 44-12-202(3)(a), 44-12-202(3)(c)(IV)-(V), 44-12-305, 44-12-306(2), 44-12-305, 44-12-309(6), 44-12-401, 44-12-601(1), C.R.S. Historically, natural persons who held an Owner's Interest in a Regulated Marijuana Business were required to hold an Associated Key License. This Rule transitions the Associated Key designation to an Owner License designation after August 1, 2019. The purpose of this rule is to clarify the requirements and procedures a Person must follow when applying for or possessing either an Owner License or an Employee License. This rule also identifies factors the State Licensing Authority will consider in determining whether a natural person is a resident and whether such person possess good moral character.

Rule 260–1 –Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Associated Key Licenses remain valid until the first renewal following August 1, 2019, after which such licenses will be renewed as an Owner License.

A. Owner Licenses Required.

1. Each Controlling Beneficial Owner must hold a valid Owner License.
2. If a Controlling Beneficial Owner is an Entity, then its Executive Officer(s) and any Person who indirectly holds ten percent or more of the Owner's Interests in the Regulated Marijuana Business must also hold a valid Owner License.
3. A Passive Beneficial Owner who is a natural person may elect to hold an Owner License and obtain an Owner Identification Badge provided that such Person agrees to be disclosed as holding an Owner's Interest in the Regulated Marijuana Business.

B. Owner License and Identification Badge or Employee License and Identification Badge Required. The following natural persons must possess a valid Owner License and Identification Badge or an Employee License and Identification Badge:

1. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products as permitted by privileges of a Regulated Marijuana Business license;
2. Any person who has access to the Inventory Tracking System or a Regulated Marijuana Business point of sale system; and
3. Any person with unescorted access in the Restricted Access Area or Limited Access Area.

C. Visitor Escort Required. Any natural person in a Restricted Access Area or Limited Access Area that does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge is a visitor and must be escorted at all times by a person who holds a valid

Owner License and Identification Badge or Employee License and Identification Badge. Failure by a Regulated Marijuana Business to continuously escort a person who does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge in the Limited Access Area is a license violation affecting public safety. Customers in a Restricted Access Area and third-party vendors in a Limited Access Area do not need to be escorted at all times, but must be reasonably monitored.

D. Employee License Required to Commence or Continue Employment. Any person required to obtain an Employee License by these rules must obtain such a license before commencing activities permitted by his or her Employee License.

E. Owner and Employee License Identification Badges Are Property of State Licensing Authority. All Owner and Employee License Identification Badges are property of the State Licensing Authority.

F. Owner and Employee Initial and Renewal Applications Required. Owner and Employee Licensees must submit initial and renewal applications on Division forms and in accordance with this Rule and Rules 215-1, 220-1 and 225-1.

G. Owner License Qualifications and Privileges.

1. Owner License Qualifications. Each Controlling Beneficial Owner, or Passive Beneficial Owner who elects to be subject to disclosure and licensure, must meet the following criteria before receiving an Owner License:

a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;

b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application;

c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.

d. Each Controlling Beneficial Owner required to hold an Owner License, and any Passive Beneficial Owner that elects to hold an Owner License, must be fingerprinted at least once every two years, and may be fingerprinted more often at the Division's discretion.

e. An Owner Licensee who exercises day-to-day operational control over the Licensed Premise of a Regulated Marijuana Business must possess an Identification Badge and must establish and maintain Colorado residency.

2. Owner License Exercising Privileges of an Employee License. A person who is a Colorado resident and who holds an Owner License and Owner Identification Badge may exercise the privileges of an Employee License in any Regulated Marijuana Business.

H. Employee Licensee Qualifications, and Privileges.

1. Employee License Qualifications Requirements. An Employee License Applicant must meet the following criteria before receiving an Employee License:

- a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.
 - c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to section 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Employee Licensees working in a Regulated Marijuana Business must be Colorado Residents at the time of initial application and must maintain residency during the period of licensure, unless they are applying for a workforce training or development residency exempt license.
2. Medical and Retail Employee Licenses. A person who holds a current, valid Employee License and Identification Badge issued pursuant to the Medical Code or the Retail Code may work in a Regulated Marijuana Business.
3. Workforce Training or Development Residency Exempt License. An Applicant who wishes to obtain a workforce development or training exemption to the license residency requirement may apply for an Employee License and must:
- a. Submit a complete application on the Division's approved forms;
 - b. Establish she or he meets the licensing criteria of this Rule 260-1(H)(1)(a)-(c)
 - c. Provide evidence of proof of lawful presence; and
 - d. Provide a complete Workforce Training or Development Affirmation form executed under penalty of perjury.
- I. Owner and Employee Licensees Required to Maintain Licensing Qualification. An Owner Licensee or Employee Licensee's failure to maintain qualifications for licensure may constitute grounds for discipline, including but not limited to suspension, revocation, or fine.
- J. Factors Considered when Determining Residency and Citizenship. This Rule applies to persons who are required to have and maintain Colorado residency. In determining whether a person is a Colorado resident, the State Licensing Authority will consider the following factors:
1. Primary Home Defined. The location of an Applicant's principal or primary home or place of abode ("primary home") may establish Colorado residency. An Applicant's primary home is that home or place in which a person's habitation is fixed and to which the person, whenever absent, has the present intention of returning after a departure or absence therefrom, regardless of the duration of such absence. A primary home is a permanent building or part of a building and may include, by way of example, a house, condominium, apartment, room in a house, or manufactured housing. No rental property, vacant lot, vacant house or cabin, or other premises used solely for business purposes will be considered a primary home.

2. Reliable Indicators That an Applicant's Primary Home is in Colorado. The State Licensing Authority considers the following types of evidence to be generally reliable indicators that a person's primary home is in Colorado.

a. Evidence of business pursuits, place of employment, income sources, residence for income or other tax purposes, residence of spouse and any minor children, leaseholds, situs of personal and real property, existence of any other residences outside Colorado and the amount of time spent at each such residence, and any motor vehicle or vessel registration;

b. Duly authenticated copies of the following documents may be taken into account: A current driver's license with address, recent property tax receipts, copies of recent income tax returns where a Colorado mailing address is listed as the primary address, current voter registration cards, current motor vehicle or vessel registrations, and other public records evidencing place of abode or employment; and

c. Other types of reliable evidence.

3. Totality of the Evidence. The State Licensing Authority will review the totality of the evidence, and any single piece of evidence regarding the location of a person's primary home is not necessarily determinative.

4. Other Considerations for Residency. The State Licensing Authority may consider the following circumstances:

a. Members of the armed services of the United States or any nation allied with the United States who are on active duty in this state under permanent orders and their spouses;

b. Personnel in the diplomatic service of any nation recognized by the United States who are assigned to duty in Colorado and their spouses; and

c. Full-time students who are enrolled in any accredited trade school, college, or university in Colorado. The temporary absence of such student from Colorado, while the student is still enrolled at any such trade school, college, or university, will not be deemed to terminate their Colorado residency. A student will be deemed "full-time" if considered full-time pursuant to the rules or policy of the educational institution he or she is attending.

5. Entering Armed Forces Does Not Terminate Residency. A person who is a Colorado resident pursuant to this rule does not terminate Colorado residency upon entering the armed services of the United States. A member of the armed services on active duty who resided in Colorado at the time the person entered military service and the person's spouse are presumed to retain their status as residents of Colorado throughout the member's active duty in the service, regardless of where stationed or for how long.

K. Evaluating a Natural Person's Good Moral Character Based on Criminal History

1. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division will not consider the following:

a. The mere fact a person's criminal history contains an arrest(s) or charge(s) of a criminal offense that is not actively pending;

- b. A conviction of a criminal offense in which the Application/Licensee received a pardon;
 - c. A conviction of a criminal offense which resulted in the sealing or expungement of the record; or
 - d. A conviction of a criminal offense in which a court issued an order of collateral relief specific to the application for state licensure.
- 2. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division may consider the following history:
 - a. Any felony conviction(s);
 - b. Any conviction(s) of crimes involving moral turpitude;
 - c. Pertinent circumstances connected with the conviction(s); and
 - d. Conduct underlying arrest(s) or charge(s) or a criminal offense for which the criminal case is not actively pending.
- 3. When considering criminal history in subparagraph (K)(2) above, the Division will consider:
 - a. Whether there is a direct relationship between the conviction(s) and the duties and responsibilities of holding a state license issued pursuant to the Medical Code or the Retail Code;
 - b. Any information provided to the Division regarding the person's rehabilitation, which may include but is not limited to the following non-exhaustive considerations:
 - i. Character references;
 - ii. Educational, vocational, and community achievements, especially those achievements occurring during the time between the person's most recent criminal conviction and the application for a state license;
 - iii. Successful participation in an alcohol or drug treatment program;
 - iv. That the person truthfully and fully reported the criminal conduct to the Division;
 - v. The person's employment history after conviction or release, including but not limited to whether the person was vetted and approved to hold a state or out-of-state license for the purposes of employment in a regulated industry;
 - vi. The person's successful compliance with any conditions of parole or probation imposed after conviction or release; or
 - vii. Any other facts or circumstances tending to show the Applicant has been rehabilitated and is ready to accept the responsibilities of a law-abiding and productive member of society.

Basis and Purpose – Rule 265-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(3)(a)(XVI), 44-12-202(3)(a)(XVII), 44-12-304, 24-4-104, and 24-4-105, C.R.S. The purpose of this rule is to clarify the procedures and factors governing the denial process and voluntary withdrawal process for all licenses issued by the State Licensing Authority.

Rule 265–1 – Application Denial/Voluntary Withdrawal

- A. Applicant Bears Burden of Proving It Meets Licensure Requirements. A license, registration, or permit issued to a Person or a Regulated Marijuana Business is a revocable privilege. At all times during the application process, an Applicant must be capable of establishing it is qualified to hold a license.
- B. Applicants must provide information to the Division in a full, faithful, truthful, and fair manner. An application may be denied where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application or in connection with the Applicant's suitability investigation. Providing misstatements, misrepresentations, omissions or untruths to the Division may be the basis for administrative action, or the basis of criminal charges against the Applicant.
- C. Grounds for Denial
1. The State Licensing Authority will deny an application for Good Cause.
 2. The State Licensing Authority will deny an application from an Applicant that is statutorily disqualified from holding a license.
 3. The State Licensing Authority will deny an application where the Applicant failed to provide all required information or documents, failed to obtain all required findings of suitability prior to submitting the application, provided inaccurate, incomplete, or untruthful information or documents, or failed to cooperate with the Division.
- D. Voluntary Withdrawal of Application
1. The Division and Applicant may mutually agree to allow the voluntary withdrawal of an application in lieu of a denial proceeding.
 2. Applicants must first submit a form to the Division requesting the voluntary withdrawal of the application. Applicants will submit the form with the understanding that they were not obligated to request the voluntary withdrawal and that any right to a hearing in the matter is waived once the voluntary withdrawal is approved.
 3. The Division will consider the request along with any circumstances at issue with the application in making a decision to accept the voluntary withdrawal. The Division may at its discretion grant the request with or without prejudice or deny the request.
 4. The Division will notify the Applicant of its acceptance of the voluntary withdrawal and the terms thereof.
 5. If the Applicant agrees to a voluntary withdrawal granted with prejudice, then the Applicant is not eligible to apply again for licensing or approval until after expiration of one year from the date of such voluntary withdrawal.
- E. A Denied Applicant May Appeal a Denial. A Denied Applicant may appeal a denial pursuant to the Administrative Procedure Act.

Basis and Purpose – Rule 270-1

The statutory basis for this rule includes but is not limited to sections 44-11-202, 44-11-401(1.5), 44-12-202, and 44-12-401(1.5), C.R.S. The purpose of this rule is to establish procedures and requirements for any Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person acting in accordance with section 44-11-401(1.5), and 44-12-401(1.5), C.R.S., and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

Rule 270–1 – Temporary Appointee Registrations for Court Appointees

A. Notice and Application Requirements for All Court Appointees:

1. Notice to the State and Local Licensing Authorities. Within seven days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), C.R.S., such Court Appointee must file a notice to the State Licensing Authority and the applicable local licensing authority on a form required by the State Licensing Authority which must include at least:
 - a. A copy of the order appointing the Court Appointee;
 - b. A statement affirming the Court Appointee complied with the certification required by sections 44-11-401(1.5)(a), and/or 44-12-401(1.5)(a), C.R.S.;
 - c. If the Court Appointee is an entity, a list of all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business; and
 - d. A complete list of all Regulated Marijuana Businesses for which the Court Appointee was appointed and the respective dates during which the Court Appointee is currently serving, or has previously served, as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person.
2. Application for Finding of Suitability. Within 14 days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), and/or 44-12-401(1.5), C.R.S., each Court Appointee must file an application for a finding of suitability with the State Licensing Authority on forms required by the State Licensing Authority. Each entity and natural person for whom a notice was filed pursuant to Rule 270-1(A) must file an application for a finding of suitability. The Division may in its discretion extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.
3. Effective date. The Temporary Appointee Registration will issue following the State Licensing Authority's receipt of the notice required by Rule 270-1(A)(1), and is effective as of the date of the court appointment.

B. Temporary Appointee Registration.

1. Entities. If the Court Appointee is an entity, the entity and all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business must receive a Temporary Appointee Registration. Every Court Appointee that is an entity must have at least one natural person with a Temporary Appointee Registration.

2. Temporary Appointee Registrations. Every Temporary Appointee Registration issued to a Person will be treated as an Owner License except where inconsistent with sections 44-11-401(1.5), C.R.S., and/or 44-12-401(1.5), or this Rule.
3. Other employees. Any other person working under the direction of a Court Appointee who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, researches, or delivers Regulated Marijuana as permitted by privileges granted under a Regulated Marijuana Business license must have a valid Employee License.
4. Licensed Premises. A Court Appointee cannot establish an independent Licensed Premises, but is authorized to exercise the privileges of the Temporary Appointee Registration in the Licensed Premises of the Regulated Marijuana Business for which it is appointed.
5. Medical Marijuana Business Operators or Retail Marijuana Business Operators. A Court Appointee may retain a Medical Marijuana Business Operator or a Retail Marijuana Business Operator. If the Medical Marijuana Business Operator or Retail Marijuana Business Operator is the Court Appointee, see subparagraph E of this Rule.
6. Medical Code, Retail Code and Rules Applicable. Court Appointees are subject to the requirements of the Medical Code, the Retail Code and the rules promulgated thereto. Except where inconsistent with sections 44-11-401(1.5), or 44-12-401(1.5), C.R.S., or this Rule, the State Licensing Authority may take any action with respect to a Temporary Appointee Registration that it could take with respect to any license issued under the Medical Code and/or the Retail Code. In any action involving a Temporary Appointee Registration, these rules will be read to include the terms "registered", "registration", "registrant", or any other similar terms in lieu of "licensed", "licensee", and any other similar terms as the context requires when applied to a Temporary Appointee Registration.

C. Administrative Actions.

1. Suspension, revocation, fine, or other administrative action regarding a Regulated Marijuana Business. In addition to any other basis for suspension, revocation, fine or other administrative action, a Regulated Marijuana Business's license may, pursuant to subsections 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon its Court Appointee's violations of the Medical Code, the Retail Code, the rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect.
2. Suspension, revocation, fine, or other administrative action regarding a Temporary Appointee Registration. In addition to any other basis for suspension, revocation, fine, or other administrative action, a Temporary Appointee Registration may, pursuant to section 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon the Court Appointee's violations of the Medical Code, the Retail Code, the Rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such

administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect. If a Person holding a Temporary Appointee Registration also holds any other Owner License or Employee License, the Owner License, the Employee License, and the Temporary Appointee Registration may be suspended, revoked or subject to other administrative action for any violations of the Medical Code, the Retail Code, the rules promulgated pursuant to the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration, Owner License and/or Employee License issued by the State Licensing Authority, or any order of the State Licensing Authority.

3. Suitability. If the State Licensing Authority denies an application for a finding of suitability because the Court Appointee failed to timely apply for a finding of suitability, failed to timely provide all information requested by the Division in connection with an application for a finding of suitability, or was found unsuitable, the State Licensing Authority may also pursue administrative action as set forth in this Rule.
4. Court Appointee's Responsibility to Notify Appointing Court. The Court Appointee must notify the appointing court of any action taken against the Temporary Appointee Registration by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601, or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Court Appointee must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

D. Expiration and Renewal.

1. Conclusion of Court Appointment. A Court Appointee's Temporary Appointee Registration expires upon the conclusion of a Court Appointee's court appointment. Each Court Appointee and each Regulated Marijuana Business that has a Court Appointee must notify the State Licensing Authority within two business days of the date on which a Court Appointee's court appointment ends, whether due to termination of the appointment by the court, substitution of another Court Appointee, closure of the court case, or otherwise. For a Court Appointee that is appointed in connection with multiple court cases, the notice must be filed with the State Licensing Authority with respect to each such case.
2. Annual Renewal. If it has not yet expired pursuant to Rule 270-1(D)(1), each Temporary Appointee Registration is valid for one year, after which it must be subject to annual renewal in accordance with the Medical Code, the Retail Code, and the rules promulgated pursuant to the Medical Code and/or the Retail Code. If a Court Appointee is appointed in connection with multiple court cases, the Temporary Appointee Registration is subject to annual renewal unless all such appointments have ended, whether due to termination of the appointments by the courts, substitution of other Court Appointees, closure of the court cases, or otherwise.
3. Other Termination. A Temporary Appointee Registration may be valid for less than the applicable term if surrendered, revoked, suspended, or subject to similar action.

E. Medical Marijuana Business Operators and/or Retail Marijuana Business Operators as Court Appointees. By virtue of its privileges of licensure, a Medical Marijuana Business Operator, a Retail Marijuana Business Operator, and their respective Owner Licensees may serve as Court Appointees without a Temporary Appointee Registration subject to the following terms:

1. Notice to the State Licensing Authority of Appointment. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) are

responsible for notifying the State Licensing Authority within seven days of any court appointment to serve as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person and take possession of, operate, manage, or control a Regulated Marijuana Business. Such notice must be accompanied by a copy of the order making the appointment, and must identify each Regulated Marijuana Business regarding which the Medical Marijuana Business Operator and/or Retail Marijuana Business Operator is appointed.

2. Notice to the Appointing Court of State Licensing Authority Action. The Medical Marijuana Business Operator, the Retail Marijuana Business and its Owner Licensee(s) are responsible for notifying the appointing court of any action taken against the Medical Marijuana Business Operator license, the Retail Marijuana Business Operator license and/or the Owner License by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

Basis and Purpose – Rule 275-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a)(IV), 44-11-307.6(5), 44-11-307.5(11), 44-11-310(8)(a), 44-11-601, 44-12-202(6)(a)(IV), 44-11-306.6(5), 44-11-306.6(11), 44-12-309(7)(a), and 44-12-601 C.R.S. The purpose of this rule is to clarify the conditions and procedures for divestiture of any Person prohibited from holding a license under sections 44-11-306 and 44-12-305, C.R.S., or who is found unsuitable by the State Licensing Authority. This rule also requires that every Regulated Marijuana Business have at least one Controlling Beneficial Owner and provides what happens in the event of suspension of a Regulated Marijuana Business's Controlling Beneficial Owner(s). Finally, this rule provides that Licensees cannot have unlicensed persons take actions on their behalf or for their benefit that the Licensees themselves are prohibited from taking under these rules, the Medical Code or the Retail Code.

Rule 275–1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

A. Controlling Beneficial Owners that are Persons Prohibited, Unsuitable or Revoked.

1. Less than 100% of all Controlling Beneficial Owners – Divestiture. If less than 100% of a Regulated Marijuana Business's Controlling Beneficial Owners are or become a Person prohibited by these Rules, the Medical Code or the Retail Code, have his or her Owner License revoked by a Final Agency Order, or are found unsuitable, the Regulated Marijuana Business must divest all of the Beneficial Ownership of that Controlling Beneficial Owner.
 - a. Unless extended for good cause, within 90 days of a Controlling Beneficial Owner becoming a Person prohibited, having his or her Owner License revoked, or being found unsuitable, the Regulated Marijuana Business must either:
 - i. Submit a change of owner application, where required, and any document(s) necessary to transfer all of that Controlling Beneficial Owner's Owner's Interests to one or more Persons that are not prohibited or unsuitable. Any required change of owner application is subject to approval by the Division; or

- ii. Where a change of owner application is not required, transfer all of that Controlling Beneficial Owner's(s) Owner's Interests to one or more Persons that are not a Person prohibited or unsuitable.
 - b. In determining whether good cause for an extension exists, the Division will consider whether there is any Owner Interest buy-back provision with the Controlling Beneficial Owner. If mediation, arbitration or a legal proceeding has been initiated regarding the required divestiture, the 90 day deadline is extended until 90 days following execution of a settlement agreement, arbitration order or final judgment concluding the mediation, arbitration or legal proceeding.
 - c. A Regulated Marijuana Business that is a Publicly Traded Corporation must have a divestiture plan with its Controlling Beneficial Owners which must be disclosed to the Division pursuant to Rule 220-1(A).
 - d. A Regulated Marijuana Business that fails to divest a Controlling Beneficial Owner as required by this Rule may be subject to denial, fine, suspension or revocation of its license(s). The State Licensing Authority may consider aggravating and mitigating factors surrounding measures taken to divest the unsuitable or prohibited person when determining the imposition of a penalty. However, a Regulated Marijuana Business that is unable to divest a Controlling Beneficial Owner that is a person prohibited or found unsuitable is prohibited from being issued or holding a license.
 - 2. All Controlling Beneficial Owners are Unsuitable, Revoked or Persons Prohibited. A Regulated Marijuana Business's License may be revoked if 100% of its Controlling Beneficial Owners are found unsuitable, have his or her Owner's License revoked or are Persons prohibited by these Rules, the Medical Code or the Retail Code.
 - B. Suspension of Controlling Beneficial Owners.
 - 1. Suspension of Less than 100% of the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. In the event of the suspension of the Owner License of a Controlling Beneficial Owner, either (i) the Regulated Marijuana Business must comply with all requirements of Rule M/R 1302 – Disciplinary Process: Summary Suspensions, or (ii) the non-suspended Owner Licensee(s) must control the Regulated Marijuana Business without participation from the suspended Controlling Beneficial Owner(s).
 - 2. Suspension of 100% of the Controlling Beneficial Owners of a Regulated Marijuana Business. A Regulated Marijuana Business cannot operate or Transfer Regulated Marijuana if all Controlling Beneficial Owners are suspended.
 - C. At Least One Controlling Beneficial Owner Holding a Valid Owner License Required. No Regulated Marijuana Business may operate or be licensed unless it has at least one Controlling Beneficial Owner who holds a valid Owner License.
 - D. Loss Of Owner License As A Controlling Beneficial Owner Of Multiple Businesses. If an Owner License is suspended, revoked, or found unsuitable as to one Regulated Marijuana Business, that Owner License is automatically suspended, revoked, or found unsuitable as to any other Regulated Marijuana Business in which that Person is a Controlling Beneficial Owner.
 - E. Prohibited Third-Party Acts. No Licensee may employ, contract with, hire, or otherwise retain any Person, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit if the Licensee is prohibited by law or these rules from engaging in such conduct itself.
 - 1. A Licensee may be held responsible for all actions and omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to

an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.

2. A Licensee may be subject to license denial or administrative action, including but not limited to fine, suspension, or revocation of its license(s), based on the act and/or omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.

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Office of the Attorney General

Tracking number: 2019-00374

Opinion of the Attorney General rendered in connection with the rules adopted by the

Marijuana Enforcement Division

on 08/01/2019

1 CCR 212-1

MEDICAL MARIJUANA RULES

The above-referenced rules were submitted to this office on 08/01/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 09, 2019 07:55:50

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Emergency Rules Adopted

Department

Department of Revenue

Agency

Marijuana Enforcement Division

CCR number

1 CCR 212-2

Rule title

1 CCR 212-2 RETAIL MARIJUANA RULES 1 - eff 08/01/2019

Effective date

08/01/2019

COLORADO DEPARTMENT OF REVENUE

Marijuana Enforcement Division

1 CCR 212-2

RETAIL MARIJUANA RULES

R 100 Series – General Applicability

Basis and Purpose – R 103

The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(10)(b), 44-11-202(2)(a), 44-11-202(2)(a)(XXIV), 44-12-103, 44-12-202(2)(b), and 44-12-202(3)(c)(VIII), C.R.S., and all of the Medical Code and Retail Code. The purpose of this rule is to provide necessary definitions of terms used throughout the rules. Defined terms are capitalized where they appear in the rules, to let the reader know to refer back to these definitions. When a term is used in a conventional sense, and not intended to be a defined term, it is not capitalized.

R 103 – Definitions

Definitions. The following definitions of terms, in addition to those set forth in section 44-11-104, C.R.S., apply to all rules promulgated pursuant to the Medical Code, unless the context requires otherwise:

“Acquire,” when used in connection with the acquisition of an Owner's Interest of a Regulated Marijuana Business, means obtaining ownership, Control, power to vote, or sole power of disposition of the Owner's Interest, directly or indirectly through one or more transactions or subsidiaries, through purchase, assignment, transfer, exchange, succession or other means.

“Acting in Concert” means knowing participation in a joint activity or interdependent conscious parallel action toward a common goal, whether or not pursuant to an express agreement.

“Advertising” means the act of providing consideration for the publication, dissemination, solicitation, or circulation, of visual, oral, or written communication, to induce directly or indirectly any Person to patronize a particular Regulated Marijuana Business, or to purchase particular Regulated Marijuana or a Regulated Marijuana Product. “Advertising” includes marketing, but does not include packaging and labeling. “Advertising” proposes a commercial transaction or otherwise constitutes commercial speech.

“Affiliate” of, or Person affiliated with, a specified Person, means a Person that directly or indirectly through one or more intermediaries, Controls or is Controlled by, or is under common Control with, the Person specified.

“Alarm Installation Company” means a Person engaged in the business of selling, providing, maintaining, servicing, repairing, altering, replacing, moving or installing a Security Alarm System in a Licensed Premises.

“Alternative Use Designation” means a designation approved by the State Licensing Authority, permitting a Medical Marijuana-Infused Products Manufacturer to manufacture and Transfer Alternative Use Product.

“Alternative Use Product” means Regulated Marijuana or Regulated Marijuana Product that has at least one intended use that is not included in the list of intended uses in Rule M 1003-1(B) and Rule R 1003-1(B). Alternative Use Product may raise public health concerns that outweigh approval of the Alternative Use Product, or that require additional safeguards and oversight. Alternative Use Product cannot be Transferred except as permitted by Rule M 607 or Rule R 607 after obtaining an Alternative Use Designation. Rule M 607 permits a Medical Marijuana-Infused Products Manufacturer to Transfer Alternative Use Product to a Medical Marijuana Testing Facility prior to receiving an Alternative Use Designation. Rule R 607 permits a Retail Marijuana Products Manufacturer to Transfer Alternative Use Product to a Retail Marijuana Testing Facility prior to receiving an Alternative Use Designation. Except where the context otherwise clearly requires, rules applying to Medical Marijuana Concentrate, Retail Marijuana Concentrate, or Regulated Marijuana Product apply to Alternative Use Product.

“Applicant” means a Person that has submitted an application for licensure, registration, or permit, or for renewal of licensure, registration, or permit, pursuant to these rules that was accepted by the Division for review but has not been approved or denied by the State Licensing Authority.

“Approved Training Program” means a responsible vendor program that received approval from the Division prior to being offered to a Licensee.

“Audited Product” means a Regulated Marijuana Product with an intended use of: (1) metered dose nasal spray, (2) pressurized metered dose inhaler, (3) vaginal administration, or (4) rectal administration. Audited Product types may raise public health concerns requiring additional safeguards and oversight. These product types may only be manufactured and Transferred by a Medical Marijuana-Infused Products Manufacturer in strict compliance with Rule M 607 and by a Retail Marijuana Products Manufacturer in strict compliance with Rule R 607. Prior to the first Transfer of an Audited Product to a Medical Marijuana Center, Retail Marijuana Store, or Optional Premises Cultivation Operation or Retail Marijuana Cultivation Facility that has obtained a Centralized Distribution Permit, the Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Products Manufacturer must submit to the Division and to the local licensing authority an independent third-party audit verifying compliance with Rule M 607 or Rule R 607. All rules regarding Regulated Marijuana Product apply to Audited Product except where Rules M 607, 712, 1002-1, and 1003-1, and Rules R 607, 712, 1002-1, and 1003-1 apply different requirements.

“Bad Actor” means a Person who:

- a. Has been convicted, within the previous ten years (or five years, in the case of issuers, their predecessors and affiliated issuers), of any felony or misdemeanor:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filing with the Federal Securities Exchange Commission; or
 - iii. Arising out of the conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- b. Is subject to any order, judgment or decree of any court of competent jurisdiction, entered within the previous five years, that restrains or enjoins such Person from engaging or continuing to engage in any conduct or practice:
 - i. In connection with the purchase or sale of any Security;

- ii. Involving the making of any false filings with the Federal Securities Exchange Commission; or
 - iii. Arising out of conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities:
- c. Is subject to a final order of a state securities commission (or an agency or officer of a state performing like functions); a state authority that supervises or examines banks, savings associations, or credit unions; a state insurance commission (or an agency or officer of a state performing like functions); an appropriate federal banking agency; the U.S. Commodity Futures Trading Commission; or the National Credit Union Administration that:
 - i. Bars the Person from:
 - A. Association with an Entity regulated by such commission, authority, agency, or officer;
 - B. Engaging in the business of Securities, insurance or banking; or
 - C. Engaging in savings association or credit union activities; or
 - ii. Constitutes a final order based on a violation of any law or regulation that prohibits fraudulent, manipulative, or deceptive conduct entered within the previous ten years;
- d. Is subject to an order of the Federal Securities Exchange Commission entered pursuant to section 15(b) or 15B(c) of the Securities Exchange Act of 1934, or section 203(e) or (f) of the Investment Advisers Act of 1940 that:
 - i. Suspends or revokes such Person's registration as a broker, dealer, municipal securities dealer or investment adviser;
 - ii. Places limitations on the activities, functions or operations of such Person; or
 - iii. Bars such Person from being associated with any Entity, or from participating in the offering of any Penny Stock;
- e. Is subject to any order of the Federal Securities Exchange Commission entered within the previous five years that orders the Person to cease and desist from committing or causing a violation or future violation of:
 - i. Any scienter-based anti-fraud provision of the federal securities laws, including without limitations section 17(a)(1) of the Securities Act of 1933, section 10(b) of the Securities Exchange Act of 1934 and 17 C.F.R. 240.10b-5, section 15(c)(1) of the Securities Exchange Act of 1934 and section 206(1) of the Investment Advisers Act of 1940, or any other rule or regulation thereunder; or
 - ii. Section 5 of the Securities Act of 1933.
- f. Is suspended or expelled from membership in, or suspended or barred from association with a member of, a registered national securities exchange or a registered national or affiliated securities association for any act or omission to act constituting conduct inconsistent with just and equitable principles of trade;

- g. Has filed (as a registrant or issuer), or was named as an underwriter in, any registration statement or Regulation A offering statement filed with the federal Securities Exchange Commission that, within the previous five years, was the subject of a refusal order, stop order, or order suspending the Regulation A exemption, or is the subject of an investigation or proceeding to determine whether a stop order or suspension order should be issued; or
- h. Is subject to a United States Postal Service false representation order entered with the previous five years, or is subject to a temporary restraining order or preliminary injunction with respect to conduct alleged by the United States Postal Service to constitute a scheme or device for obtaining money or property through the mail by means of false representations.

“Batch Number” means any distinct group of numbers, letters, or symbols, or any combination thereof, assigned by a Medical Marijuana Optional Premises Cultivation Operation or Medical Marijuana-Infused Products Manufacturer to a specific Harvest Batch or Production Batch of Medical Marijuana, or by a Retail Marijuana Cultivation Facility or Retail Marijuana Products Manufacturer to a specific Harvest Batch or Production Batch of Retail Marijuana.

“Beneficial Owner” includes the terms “beneficial ownership”, or “beneficially owns” and means:

- a. any Person who, directly or indirectly, through any contract, arrangement, understanding, relationship, or otherwise has or shares:
 - i. Voting power which includes the power to vote, or to direct the voting of, an Owner’s Interest; and/or,
 - ii. Investment power which includes the power to dispose, or to direct the disposition of, an Owner’s Interest.
- b. Any Person who, directly or indirectly, creates or uses a trust, proxy, power of attorney, pooling arrangement or any other contract, arrangement, or device with the purpose or effect of divesting such Person of beneficial ownership of an Owner’s Interest or preventing the vesting of such beneficial ownership as part of a plan or scheme to evade the reporting requirements of section 13(d) or (g) of the Securities Act of 1933 shall be deemed for purposes of such sections to be the beneficial owner of such Owner’s Interest.
- c. All Owner’s Interests of the same class beneficially owned by a Person, regardless of the form which such beneficial ownership takes, shall be aggregated in calculating the number of shares beneficially owned by such Person.
- d. Notwithstanding the provisions of paragraphs (a) and (c) of this rule:
 - i.
 - A. A Person shall be deemed to be the beneficial owner of an Owner’s Interest, subject to the provisions of paragraph (b) of this rule, if that Person has the right to acquire beneficial ownership of such Owner’s Interest, as defined in Rule 13d-3(a) (§ 240.13d-3(a)) within sixty days, including but not limited to any right to acquire: (1) Through the exercise of any option, warrant or right; (2) through the conversion of an Owner’s Interest; (3) pursuant to the power to revoke a trust, discretionary account, or similar arrangement; or (4) pursuant to the automatic termination of a trust, discretionary account or similar arrangement; provided, however, any person who acquires an Owner’s Interest

or power specified in paragraphs (d)(i)(A)(1), (2) or (3), of this section, with the purpose or effect of changing or influencing the control of the issuer, or in connection with or as a participant in any transaction having such purpose or effect, immediately upon such acquisition shall be deemed to be the beneficial owner of the Owner's Interests which may be acquired through the exercise or conversion of such Owner's Interests or power. Any Owner's Interests not outstanding which are subject to such options, warrants, rights or conversion privileges shall be deemed to be outstanding for the purpose of computing the percentage of outstanding Owner's Interests of the class owned by such Person but shall not be deemed to be outstanding for the purpose of computing the percentage of the class by any other Person.

B. Paragraph (d)(i)(A) of this section remains applicable for the purpose of determining the obligation to file with respect to the underlying Owner's Interests even though the option, warrant, right or convertible Owner's Interests is of a class of equity Owner's Interest, as defined in § 240.13d-1(i), and may therefore give rise to a separate obligation to file.

ii. A member of a national securities exchange shall not be deemed to be a beneficial owner of an Owner's Interest held directly or indirectly by it on behalf of another Person solely because such member is the record holder of such Owner's Interests and, pursuant to the rules of such exchange, may direct the vote of such Owner's Interests, without instruction, on other than contested matters or matters that may affect substantially the rights or privileges of the holders of the Owner's Interests to be voted, but is otherwise precluded by the rules of such exchange from voting without instruction.

iii. A person who in the ordinary course of his business is a pledgee of Owner's Interests under a written pledge agreement shall not be deemed to be the beneficial owner of such pledged Owner's Interests until the pledgee has taken all formal steps necessary which are required to declare a default and determines that the power to vote or to direct the vote or to dispose or to direct the disposition of such pledged Owner's Interests will be exercised, provided, that:

A. The pledgee agreement is bona fide and was not entered into with the purpose nor with the effect of changing or influencing the control of the issuer, nor in connection with any transaction having such purpose or effect, including any transaction subject to Rule 13d-3(b);

B. The pledgee is a Person specified in Rule 13d-1(b)(ii), including Persons meeting the conditions set forth in paragraph (G) thereof; and

C. The pledgee agreement, prior to default, does not grant to the pledgee;

1. The power to vote or to direct the vote of the pledged Owner's Interests; or

2. The power to dispose or direct the disposition of the pledged Owner's Interests, other than the grant of such

power(s) pursuant to a pledge agreement under which credit is extended subject to regulation T (12 CFR 220.1 to 220.8) and in which the pledgee is a broker or dealer registered under section 15 of the Securities Act of 1933.

- iv. A Person engaged in business as an underwriter of Owner's Interests who acquires Owner's Interests through his participation in good faith in a firm commitment underwriting registered under the Securities Act of 1933 shall not be deemed to be the beneficial owner of such Owner's Interests until the expiration of forty days after the date of such acquisition.

"Blank Check Company" means an Entity that:

- a. Is a development stage company that has no specific business plan or purpose or has indicated that its business plan is to engage in a merger or acquisition with an unidentified company or companies, or other Entity or Person; and
- b. Is issuing Penny Stock.

"Cannabinoid" means any of the chemical compounds that are the active principles of marijuana.

"Centralized Distribution Permit" means a permit issued to an Optional Premises Cultivation Operation pursuant to section 44-11-403, C.R.S., or a Retail Marijuana Cultivation Facility pursuant to section 44-12-403, C.R.S., authorizing temporary storage of Medical Marijuana Concentrate and Medical Marijuana-Infused Product received from a Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Concentrate and Retail Marijuana Product received from a Retail Marijuana Products Manufacturer for the sole purpose of Transfer to commonly owned Medical Marijuana Centers or Retail Marijuana Stores. For purposes of a Centralized Distribution Permit only, the term "commonly owned" means at least one natural person has a minimum of five percent ownership in both the Optional Premises Cultivation Operation possessing the Centralized Distribution Permit and the Medical Marijuana Center, or in both the Retail Marijuana Cultivation Facility possessing the Centralized Distribution Permit.

"Child-Resistant" means special packaging that is:

- a. Designed or constructed to be significantly difficult for children under five years of age to open and not difficult for normal adults to use properly as defined by 16 C.F.R. 1700.15 (1995) and 16 C.F.R. 1700.20 (1995). Note that this rule does not include any later amendments or editions to the Code of Federal Regulations. The Division has maintained a copy of the applicable federal regulations, which is available to the public;
- b. Opaque so that the packaging does not allow the product to be seen without opening the packaging material; and
- c. Resealable for any product intended for more than a single use or containing multiple servings.

"Commercially Reasonable Royalty" means a right to compensation in the form of a royalty payment for the use of intellectual property with a direct nexus to the cultivation, manufacture, Transfer, or testing of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product. A Commercially Reasonable Royalty must be limited to specific intellectual property the Commercially Reasonable Royalty holder owns or is otherwise authorized to license or to a product or line of products. A Commercially Reasonable Royalty must not cause reasonable consumer confusion or violate any federal copyright, trademark, or patent law or regulation. To determine whether the Commercially Reasonable Royalty is reasonable, the

Division will consider the totality of the circumstances, including but not limited to the following factors:

- a. The percentage of royalties received by the recipient for the licensing of the intellectual property.
- b. The rates paid by the Licensee for the use of other intellectual property.
- c. The nature and scope of the license, as exclusive or non-exclusive; or as restricted or non-restricted in terms of territory or with respect to whom the product may be sold.
- d. The licensor's established policy and marketing program to maintain his intellectual property monopoly by not licensing others or by granting licenses under special conditions designed to preserve that monopoly.
- e. The commercial relationship between the recipient and Licensee, such as, whether they are competitors in the same territory in the same line of business.
- f. The effect of selling the intellectual property in promoting sales of other products of the Licensee; the existing value of the intellectual property to the recipient as a generator of sales of his non-intellectual property items; and the extent of such derivative sales.
- g. The duration of the term of the license for use of the intellectual property.
- h. The established or projected profitability of the product made using the intellectual property; its commercial success; and its current popularity.
- i. The utility and advantages of the intellectual property over products or businesses without the intellectual property.
- j. The nature of the intellectual property; the character of the commercial embodiment of it as owned and produced by the licensor; and the benefits to those who have used the intellectual property.
- k. The portion of the profit or of the selling price that may be customary in the particular business or in comparable businesses to allow for the use of the intellectual property.
- l. The portion of the realizable profit that should be credited to the intellectual property as distinguished from non-intellectual property elements, the manufacturing process, business risks, or significant features or improvements added by the Licensee.

"Container" means the receptacle directly containing Regulated Marijuana or Regulated Marijuana Product that is labeled according to the requirements in Rules M 1001-1 *et seq.* or Rules R 1001-1 *et seq.*

"Control" means the possession, direct or indirect, of the power to direct or cause the direction of the management or policies of a Person, whether through the ownership of voting Owner's Interests, by contract, or otherwise. This definition of Control includes Controls, Controlled, Controlling, Controlled by, and under common Control with.

“Controlling Beneficial Owner” means a Person that satisfies one or more of the following criteria:

- a. A natural person, an Entity that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia, a Publicly Traded Corporation, or a Qualified Private Fund that is not a Qualified Institutional Investor:
 - i. Acting alone or Acting In Concert, that owns or Acquires Beneficial Ownership of ten percent or more of the Owner’s Interest of a Regulated Marijuana Business;
 - ii. That is an Affiliate that Controls a Regulated Marijuana Business and includes, without limitation, any Manager; or
 - iii. That is otherwise in a position to Control the Regulated Marijuana Business except as authorized in section 44-11-407 or 44-12-407, C.R.S.; or
- b. A Qualified Institutional Investor acting alone or Acting In Concert that owns or Acquires Beneficial Ownership of more than thirty percent of the Owner’s Interest of a Regulated Marijuana Business.
- c. Unless the context otherwise requires, the defined term Controlling Beneficial Owner includes Direct Beneficial Interest Owner.

“Court Appointee” means a Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person; acting in accordance with section 44-11-401(1.5), C.R.S., and these rules; and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

“Covered Securities” means:

- a. A Security designated as qualified for trading in the national market system pursuant to section 78k-1(a)(2) of the Securities Act of 1933 that is listed, or authorized for listing, on a national securities exchange (or tier or segment thereof); or a Security of the same issuer that is equal in seniority or that is a senior Security to a Security designated as qualified for trading in the national market system.
- b. A Security issued by an investment company that is registered, or that has filed a registration statement under the federal Investment Company Act of 1940.
- c. A Security as defined by the Federal Securities Exchange Commission by rule pursuant to 15 U.S.C. §77r(b)(3).
- d. A Security pursuant to 15 U.S.C. §77r(b)(4).

“Denied Applicant” means any Person whose application for licensure, permit, or registration pursuant to the Medical Code or the Retail Code has been denied, any Person whose application for a responsible vendor program has been denied, or any Licensee whose application for any of the following non-exhaustive list has been denied: An initial license application pursuant to Rule 220-1, a renewal application pursuant to Rule 225-1, the request for a finding of suitability pursuant to Rule 235-1, a change of owner pursuant to Rule 245-1, a change of location of the Licensed Premises pursuant to Rule 255-1, or a change, alteration, or modification of the

Licensed Premises pursuant to Rule M 303 or Rule R 303; or a production management class increase application pursuant to Rule M 507 or Rule R 506.

“Department” means the Colorado Department of Revenue.

“Director” means the Director of the Marijuana Enforcement Division.

“Division” means the Marijuana Enforcement Division.

“Edible Medical Marijuana-Infused Product” means any Medical Marijuana-Infused Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

“Edible Retail Marijuana Product” means any Retail Marijuana Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

“Employee License” means a license granted by the State Licensing Authority pursuant to sections 44-11-401 or 44-12-401 to a natural person who is not a Controlling Beneficial Owner. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products, who is authorized to input data into a Regulated Marijuana Business's Inventory Tracking System or point-of-sale system, or who has unescorted access in the Restricted Access Area or Limited Access Area must hold an Employee License. Employee License includes both Key Licenses and Support Licenses.

“Entity” means a domestic or foreign corporation, cooperative, general partnership, limited liability partnership, limited liability company, limited partnership, limited liability limited partnership, limited partnership association, nonprofit association, nonprofit corporation, or any other organization or association that is formed under a statute or common law of the state of Colorado or any other jurisdiction as to which the laws of this state of Colorado or the laws of any other jurisdiction governs relations among owners and between the owners and the organization or association and that is recognized under the laws of the state of Colorado or the other jurisdiction as a separate legal entity.

“Executive Officer” means the president, any vice president in charge of a principal business unit, division or function (such as sales, administration or finance), any other officer who performs a policy making function, or any other person who performs similar policy making functions for the Regulated Marijuana Business.

“Exit Package” means an Opaque bag or other similar Opaque covering provided at the point of sale, in which Regulated Marijuana or Regulated Marijuana Product already in a Container is placed. If Regulated Marijuana flower, trim, or seeds are placed into a Container that is not Child-Resistant, then the Exit Package must be Child-Resistant. The Exit Package is not required to be labeled in accordance with Rules R 1001-1 *et seq.*

“Fibrous Waste” means any roots, stalks, and stems from a Regulated Marijuana plant.

“Final Agency Order” means an Order of the State Licensing Authority issued in accordance with the Medical Code or the Retail Code and the State Administrative Procedure Act. The State Licensing Authority will issue a Final Agency Order following review of the Initial Decision and any exceptions filed thereto or at the conclusion of the declaratory order process. A Final Agency Order is subject to judicial review.

“Finished Marijuana” means post-harvest Medical Marijuana including flower and trim that has been harvested for more than 90 days or that has completed the curing and drying process according to the Optional Premises Cultivation Operation's written standard operating procedures that were last submitted to the Division. Standard operating procedures for curing and drying may provide a curing and drying period that is longer than 90 days but any such period must be commercially reasonable and cannot exceed 12 months. Among other factors, the Division may

consider the Optional Premises Cultivation Operation's prior business years' business transactions to determine whether the Optional Premises Cultivation Operation's standard operating procedures are commercially reasonable.

"Flammable Solvent" means a liquid that has a flash point below 100 degrees Fahrenheit.

"Flowering" means the reproductive state of the Cannabis plant in which there are physical signs of flower or budding out of the nodes in the stem.

"Food-Based Medical Marijuana Concentrate" means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of propylene glycol, glycerin, butter, olive oil or other typical cooking fats.

"Food-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of propylene glycol, glycerin, butter, olive oil, or other typical cooking fats.

"Foreign Private Issuer" means any foreign issuer other than a foreign government except an issuer meeting the following conditions as of the last business day of its most recently completed second fiscal quarter:

- a. More than 50 percent of the outstanding voting Securities of such issuer are directly or indirectly owned of record by residents of the United States; and
- b. Any of the following:
 - i. The majority of the executive officers or directors are United States citizens or residents;
 - ii. More than 50 percent of the assets of the issuer are located in the United States; or
 - iii. The business of the issuer is administered principally in the United States.

"Good Cause" for purposes of denial of an initial, renewal or reinstatement license, registration, or permit application or certification, or for purposes of discipline of a license or certification, means:

- a. The Licensee or Applicant has violated, does not meet, or has failed to comply with any of the terms, conditions, or provisions of the Medical Code, the Retail Code, any rules promulgated pursuant to the Medical Code or Retail Code, or any supplemental relevant state or local law, rule, or regulation;
- b. The Licensee or Applicant has failed to comply with any special terms or conditions that were placed upon the license pursuant to an order of the State Licensing Authority or the relevant local licensing authority; or
- c. The Licensee's or the Applicant's Licensed Premises have been operated in a manner that adversely affects the public health or welfare or the safety of the immediate neighborhood in which the establishment is located.

"Good Moral Character" means having a criminal history that demonstrates honesty, fairness, and respect for the rights of others and for the law.

"Harvest Batch" means a specifically identified quantity of processed Regulated Marijuana that is uniform in strain, cultivated utilizing the same Pesticide and other agricultural chemicals and harvested at the same time.

“Harvested Marijuana” means post-Flowering Retail Marijuana not including trim, concentrate, or waste that remains on the premises of the Retail Marijuana Cultivation Facility or its off-premises storage location beyond 60 days from harvest.

“Heat/Pressure-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of heat and/or pressure. The method of extraction may be used by only a Medical Marijuana-infused Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Medical Marijuana Concentrate or Solvent-Based Medical Marijuana Concentrate.

“Heat/Pressure-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of heat and/or pressure. This method of extraction may be used by only a Retail Marijuana Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Retail Marijuana Concentrate or Solvent-Based Retail Marijuana Concentrate.

“Identification Badge” means a physical badge issued to any natural person possessing an Owner License or Employee License, used to verify the identity of the natural persons on the Licensed Premises of a Regulated Marijuana Business.

“Identity Statement” means the name of the business as it is commonly known and used in any Advertising.

“Immature plant” means a nonflowering Regulated Marijuana plant that is no taller than eight inches and no wider than eight inches produced from a cutting, clipping or seedling and that is in a growing container that is no larger than two inches wide and two inches tall that is sealed on the sides and bottom. Plants meeting these requirements are not attributable to a Licensee’s maximum allowable plant count, but must be fully accounted for in the Inventory Tracking System.

“Indirect Financial Interest Holder” means a Person that is not an Affiliate, a Controlling Beneficial Owner, or a Passive Beneficial Owner of a Regulated Marijuana Business and that:

- a. Holds a Commercially Reasonable Royalty in exchange for a Regulated Marijuana Business’s use of the Person’s intellectual property;
- b. Holds a Permitted Economic Interest that was issued prior to January 1, 2020, and that has not been converted into an Owner’s Interest or holds any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business obtained after January 1, 2020;
- c. Is a contract counterparty with a Regulated Marijuana Business, other than a customary employment agreement, that has a direct nexus to the cultivation, manufacture, sale, or testing of Regulated Marijuana, including, but not limited to, a lease of real property on which the Regulated Marijuana Business operates, a lease of equipment used in the cultivation, manufacture, or testing of Regulated Marijuana, a secured or unsecured financing agreement with the Regulated Marijuana Business, a security contract with the Regulated Marijuana Business, or a management agreement with the Regulated Marijuana Business, provided that no such contract compensates the contract counterparty with a percentage of revenue for profits of the Regulated Marijuana Business.
- d. Unless the context otherwise requires, the defined term Indirect Financial Interest Holder includes Indirect Beneficial Interest Owner.

“Industrial Fiber Products” means intermediate or finished products made from Fibrous Waste that are not intended for human or animal consumption and are not usable or recognizable as Regulated Marijuana. Industrial Fiber Products include, but are not limited to, cordage, paper, fuel, textiles, bedding, insulation, construction materials, compost materials, and industrial materials.

“Industrial Fiber Products Producer” means a Person who produces Industrial Fiber Products using Fibrous Waste.

“Industrial Hemp” means a plant of the genus Cannabis and any part of the plant, whether growing or not, containing a delta-9 tetrahydrocannabinol (THC) concentration of no more than three-tenths of one percent (0.3%) on a dry weight basis.

“Industrial Hygienist” means a natural person who has obtained a baccalaureate or graduate degree in industrial hygiene, biology, chemistry, engineering, physics, or a closely related physical or biological science from an accredited college or university.

- a. The special studies and training of such persons must be sufficient in the cognate sciences to provide the ability and competency to:
 - i. Anticipate and recognize the environmental factors and stresses associated with work and work operations and to understand their effects on individuals and their well-being;
 - ii. Evaluate on the basis of training and experience and with the aid of quantitative measurement techniques the magnitude of such environmental factors and stresses in terms of their ability to impair human health and well-being;
 - iii. Prescribe methods to prevent, eliminate, control, or reduce such factors and stresses and their effects.
- b. Any person who has practiced within the scope of the meaning of industrial hygiene for a period of not less than five years immediately prior to July 1, 1997, is exempt from the degree requirements set forth in the definition above.
- c. Any person who has a two-year associate of applied science degree in environmental science from an accredited college or university and in addition not less than four years practice immediately prior to July 1, 1997, within the scope of the meaning of industrial hygiene is exempt from the degree requirements set forth in the definition above.

“Ineligible Issuer” means:

- a. Any issuer that is required to file reports pursuant to section 13 or 15(d) of the Securities Exchange Act of 1934 that has not filed all reports and other materials required to be filed during the preceding 12 months, other than reports on Form 8-K required solely pursuant to an item specified in General Instruction I.A.3(b) of Form S-3;
- b. The issuer is, or during the past three years the issuer or any of its predecessors was:
 - i. A Blank Check Company;

- ii. A Shell Company;
- iii. An issuer of an offering of Penny Stock;
- c. The issuer is a limited partnership that is offering and selling its Securities other than through a firm commitment underwriting;
- d. Within the past three years, a petition under the federal bankruptcy laws or any state insolvency law was filed by or against the issuer, or a court appointed a receiver, fiscal agent or similar officer with respect to the business or property of the issuer subject to the following:
 - i. In the case of an involuntary bankruptcy in which a petition was filed against the issuer, ineligibility will occur upon the earlier to occur of:
 - A. 90 days following the date of the filing of the involuntary petition (if the case has not been earlier dismissed); or
 - B. The conversion of the case to a voluntary proceeding under federal bankruptcy or state insolvency laws; and
 - ii. Ineligibility will terminate if an issuer has filed an annual report with audited financial statements subsequent to its emergence from that bankruptcy, insolvency, or receivership process;
- e. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was convicted of any felony or misdemeanor described in paragraphs (i) through (iv) of section 15(b)(4)(B) of the Securities Exchange Act of 1934;
- f. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was made the subject of any judicial or administrative decree or order arising out of a governmental action that:
 - i. Prohibits certain conduct or activities regarding, including future violations of, the anti-fraud provisions of the federal securities laws;
 - ii. Requires that the Person cease and desist from violating the anti-fraud provisions of the federal securities laws; or
 - iii. Determines that the Person violated the anti-fraud provisions of the federal securities laws;
- g. The issuer has filed a registration statement that is the subject of any pending proceeding or examination under section 8 of the Securities Act of 1933 or has been the subject of any refusal order or stop order under section 8 of the Securities Act of 1933 within the past three years; or
- h. The issuer is the subject of any pending proceeding under section 8A of the Securities Act of 1933 in connection with an offering.

“Initial Decision” means a decision of a hearing officer in the Department following a licensing, disciplinary, or other administrative hearing.

“Inventory Tracking System” means the required seed-to-sale tracking system that tracks Regulated Marijuana from either the seed or immature plant stage until the Regulated Marijuana or Regulated Marijuana Product is sold to a patient at a Medical Marijuana Center, sold to a consumer at a Retail Marijuana Store, Transferred to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility, Transferred to a Sampling Manager, Transferred to an Industrial Fiber Products Producer, Transferred to a Medical Research Facility, Transferred to a Pesticide Manufacturer, destroyed by a Regulated Marijuana Business, or used in a Research Project by a Licensed Research Business.

“Inventory Tracking System Trained Administrator” means an Owner Licensee of a Regulated Marijuana Business or an Employee Licensee employed by a Regulated Marijuana Business, each of whom has attended and successfully completed Inventory Tracking System training and has completed any additional training required by the Division.

“Inventory Tracking System User” means an Owner Licensee of a Regulated Marijuana Business or an Employee Licensee employed by a Regulated Marijuana Business who is granted Inventory Tracking System User account access for the purposes of conducting inventory tracking functions in the Inventory Tracking System. Each Inventory Tracking System User must have been successfully trained by Inventory Tracking System Trained Administrator(s) in the proper and lawful use of the Inventory Tracking System, and who has completed any additional training required by the Division.

“Key License” means an Employee License for a natural person who performs duties that are central to the Regulated Marijuana Business’ operation. A person holding a Key License has the highest level of responsibility. An example of a Key Licensee includes, but is not limited to, managers.

“Kief” means the resinous crystal-like trichomes that are found on Regulated Marijuana flower and that are accumulated, resulting in a higher concentration of cannabinoids.

“Licensed Premises” means the premises specified in an application for a license pursuant to the Medical Code or Retail Code that are owned or in possession of the Licensee and within which the Licensee is authorized to cultivate, manufacture, distribute, sell, store, transport, test, or research Medical Marijuana in accordance with the provisions of the Medical Code, or to cultivate, manufacture, distribute, sell, store, transport, or test Retail Marijuana in accordance with the provision of the Retail Code, and these rules. Not all areas of the Licensed Premises are Limited Access Areas or Restricted Access Areas.

“Licensed Research Business” means a Marijuana Research and Development Facility or a Marijuana Research and Development Cultivation.

“Licensee” means any Person licensed, registered, or permitted pursuant to the Medical Code or Retail Code, including an Owner Licensee and an Employee Licensee.

“Limited Access Area” means a building, room, or other contiguous area upon the Licensed Premises where Regulated Marijuana is grown, cultivated, stored, weighed, packaged, Transferred, or processed for Transfer, under control of the Licensee.

“Limit of Detection” or “LOD” means the lowest quantity of a substance that can be distinguished from the absence of that substance (a blank value) within a stated confidence limit (generally 1%).

“Limit of Quantitation” or “LOQ” means the lowest concentration at which the analyte can not only be reliably detected but at which some predefined goals for bias and imprecision are met.

“Liquid Edible Medical Marijuana-Infused Product” means an Edible Medical Marijuana-Infused Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

“Liquid Edible Retail Marijuana Product” means an Edible Retail Marijuana Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

“Manager” means:

- a. A member of a limited liability company in which management is not vested in managers rather than members;
- b. A manager of a limited liability company in which management is vested in managers rather than members;
- c. A member of a limited partnership association in which management is not vested in managers rather than members;
- d. A manager of a limited partnership association in which management is vested in managers rather than members;
- e. A general partner;
- f. An officer or director of a corporation, a nonprofit corporation, a cooperative, or a limited partnership association; or
- g. Any Person whose position with respect to an Entity, as determined under the constituent documents and organic statutes of the Entity, without regard to the Person’s title, is the functional equivalent of any of the positions described in this definition.

“Marijuana-Based Workforce Development Training Program” means a program designed to train individuals to work in the legal Medical or Retail Marijuana industry operated by an entity licensed under the Medical Code and/or the Retail Code or by a school that is authorized by the Division of Private Occupational Schools.

“Marketing Layer” means that packaging in addition to the Container that is the outermost layer visible to the consumer at the point of sale. The Marketing Layer is optional, but if used by a Licensee in addition to the required Container, it must be labeled according to the requirements in Rules M 1001-1 *et seq.*, or Rules R 1001-1 *et seq.*

“Marijuana Research and Development Cultivation” means a Person that is licensed pursuant to the Medical Code to grow, cultivate, and possess Medical Marijuana, and to Transfer Medical Marijuana to a Medical Research and Development Facility or another Medical Research and Development Cultivation, all for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Cultivation is a Licensed Research Business.

“Marijuana Research and Development Facility” means a Person that is licensed pursuant to the Medical Code to possess Medical Marijuana for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Facility is a Licensed Research Business.

“Material Change” means any change that would require a substantive revision to a Regulated Marijuana Business’s standard operating procedures for the cultivation of Regulated Marijuana or the production of a Regulated Marijuana- Product.

“Medical Code” means the Colorado Medical Marijuana Code found at sections 44-11-101 *et seq.*, C.R.S.

“Medical Marijuana” means marijuana that is grown and sold pursuant to the Medical Code and includes seeds and Immature Plants. Unless the context otherwise requires, Medical Marijuana Concentrate is considered Medical Marijuana and is included in the term Medical Marijuana as used in these rules.

“Medical Marijuana Business” means a licensed Medical Marijuana Center, a Medical Marijuana-Infused Products Manufacturer, an Optional Premises Cultivation Operation, a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator, a Medical Marijuana Transporter, a Marijuana Research and Development Facility, or a Marijuana Research and Development Cultivation.

“Medical Marijuana Business Operator” means an entity that holds a registration, license, or permit from the State Licensing Authority to provide professional operational services to one or more Medical Marijuana Businesses, other than Licensed Research Businesses, for direct remuneration from the Medical Marijuana Business(es), which may include compensation based upon a percentage of the profits of the Medical Marijuana Business(es) being operated. A Medical Marijuana Business Operator may contract with Medical Marijuana Business(es) to provide operational services. A Medical Marijuana Business Operator’s contract with a Medical Marijuana Business does not in and of itself constitute ownership. The Medical Code and rules apply to all Medical Marijuana Business Operators regardless of whether such operator holds a registration or license. Any reference to “license” or “licensee” means “registration” or “registrant” when applied to a Medical Marijuana Business Operator that holds a registration issued by the State Licensing Authority.

“Medical Marijuana Center” means a Person that is licensed pursuant to the Medical Code to operate a business as described in section 44-11-402, C.R.S., and that sells Medical Marijuana to registered patients or primary caregivers as defined in Article XVIII, Section 14 of the Colorado Constitution, but is not a primary caregiver.

“Medical Marijuana Concentrate” means a specific subset of Medical Marijuana that was produced by extracting Cannabinoids from Medical Marijuana. Categories of Medical Marijuana Concentrate include Water-Based Medical Marijuana Concentrate, Food-Based Medical Marijuana Concentrate, Solvent-Based Medical Marijuana Concentrate, and Heat/Pressure-Based Medical Marijuana Concentrate.

“Medical Marijuana-Infused Product” means a product infused with Medical Marijuana that is intended for use or consumption other than by smoking, including but not limited to edible products, ointments, and tinctures. Such products shall not be considered a food or drug for purposes of the “Colorado Food and Drug Act,” part 4 of Article 5 of Title 25, C.R.S.

“Medical Marijuana-Infused Products Manufacturer” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-404, C.R.S.

“Medical Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product.

“Medical Marijuana Transporter” means a Person that is licensed to transport Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product from one Medical Marijuana Business to another Medical Marijuana Business or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Medical Marijuana and Medical Marijuana-Infused Product at its licensed premises, but is not authorized to sell, give away, buy, or receive complimentary Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product under any circumstances. A Medical Marijuana Transporter does not

include a Licensee that transports its own Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product.

“Medical Research Facility” means a Person approved and grant-funded by the State Board of Health pursuant to section 25-1.5-106.5, C.R.S., to conduct Medical Marijuana research. A Medical Marijuana Research Facility is neither a Regulated Marijuana Business nor a Licensee.

“Monitoring” means the continuous and uninterrupted attention to potential alarm signals that could be transmitted from a Security Alarm System located at a Regulated Marijuana Business Licensed Premises, for the purpose of summoning a law enforcement officer to the premises during alarm conditions.

“Monitoring Company” means a Person in the business of providing Monitoring services for a Regulated Marijuana Business.

“Multiple-Serving Edible Retail Marijuana Product” means an Edible Retail Marijuana Product unit for sale to consumers containing more than 10mg of active THC and no more than 100mg of active THC. If the overall Edible Retail Marijuana Product unit for sale to the consumer consists of multiple pieces where each individual piece may contain less than 10mg active THC, yet in total all pieces combined within the unit for sale contain more than 10mg of active THC, then the Edible Retail Marijuana Product will be considered a Multiple-Serving Edible Retail Marijuana Product.

“Non-objecting Beneficial Owner” means a Beneficial Owner who gives permission to a financial intermediary to release their name and address to the company(ies) or issuer(s) in which they have bought Securities.

“Notice of Denial” means a written statement from the State Licensing Authority, articulating the reasons or basis for denial of a license application.

“Opaque” means that the packaging does not allow the product to be seen without opening the packaging material.

“Optional Premises Cultivation Operation” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-403, C.R.S.

“Order to Show Cause” means a document from the State Licensing Authority alleging the grounds for imposing discipline against a Licensee’s license.

“Owner’s Interest” means the shares of stock in a corporation, a membership in a nonprofit corporation, a membership interest in a limited liability company, the interest of a member in a cooperative or in a limited cooperative association, a partnership interest in a limited partnership, a partnership interest in a partnership, and the interest of a member in a limited partnership association.

“Owner License” means a license issued to a Person who is a Controlling Beneficial Owner of a Regulated Marijuana Business or who is a Passive Beneficial Owner electing to be subject to licensure.

“Passive Beneficial Owner” means any Person Acquiring any Owner’s Interest in a Regulated Marijuana Business that is not otherwise a Controlling Beneficial Owner or in Control.

“Penny Stock” means any equity security other than a Security:

- a. That is an National Market System stock, provided that:
 - i. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange that has been continuously registered as a national securities exchange since April 20, 1992; and the national securities exchange has maintained quantitative listing standards that are substantially similar to or stricter than those listing standards that were in place on that exchange on January 8, 2004; or
 - ii. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange, or is listed, or approved for listing upon notice of issuance on, an automated quotation system sponsored by a registered national securities association, that:
 - A. Has established initial listing standards that meet or exceed the following criteria:
 - 1. The issuer shall have: (a) stockholders' equity of \$5,000,000; (b) market value of listed Securities of \$50 million for 90 consecutive days prior to applying for a listing (market value means the closing bid price multiplied by the number of Securities listed); or (c) net income of \$750,000 (excluding non-recurring items) in the most recently completed fiscal year or in two of the last three most recently completed fiscal years;
 - 2. The issuer shall have an operating history of at least one year or a market value of listed Securities of \$50 million (market value means the closing bid price multiplied by the number of Securities listed);
 - 3. The issuer's stock, common or preferred, shall have a minimum bid price of \$4 per share;
 - 4. In the case of common stock, there shall be at least 300 round lot holders of the Security (a round lot holder means a holder of a normal unit of trading);
 - 5. In the case of common stock, there shall be at least 1,000,000 publicly held shares and such shares shall have a market value of at least \$5 million (market value means the closing bid price multiplied by the number of publicly held shares, and shares held directly or indirectly by an officer or director of the issuer and by any Person who is the Beneficial Owner of more than 10 percent of the total shares outstanding are not considered to be publicly held);
 - 6. In the case of a convertible debt security, there shall be a principal amount outstanding of at least \$10 million;
 - 7. In the case of rights and warrants, there shall be at least 100,000 issued and the underlying security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a

registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;

8. In the case of put warrants (that is, instruments that grant the holder the right to sell to the issuing company a specified number of shares of the company's common stock, at a specified price until a specified period of time), there shall be at least 100,000 issued and the underlying Security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;
 9. In the case of units (that is, two or more Securities traded together), all component parts shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition; and
 10. In the case of equity Securities (other than common and preferred stock, convertible debt securities, rights and warrants, put warrants, or units), including hybrid products and derivative products, the national securities exchange or registered national securities association shall establish quantitative listing standards that are substantially similar to those found in paragraph (a)(ii) of this definition; and
- B. Has established quantitative continued listing standards that are reasonable related to the initial listing standards set forth in paragraph (a)(ii) of this definition, and that are consistent with the maintenance of fair and orderly markets;
- b. That is issued by an investment company registered under the Federal Investment Company Act of 1940;
- c. That is a put or call option issued by the Options Clearing Corporation;
- d. That has a price of five dollars or more;
- i. For purposes of this paragraph (d):
- A. A Security has a price of five dollars or more for a particular transaction if the Security is purchased or sold in that transaction at a price of five dollars or more, excluding any broker or dealer commission, commission equivalent, mark-up, or mark-down; and
 - B. Other than in connection with a particular transaction, a Security has a price of five dollars or more at a given time if the inside bid quotation is five dollars or more; provided, however, that if there is no such inside bid quotation, a Security has a price of five dollars or more at a given time if the average of three or more interdealer bid quotations at specified prices displayed at that

time in an interdealer quotation system, by three or more market makers in the Security, is five dollars or more.

- C. The term “inside bid quotation” shall mean the highest bid quotation for the Security displayed by a market maker in the Security on an automated interdealer quotation system that has the characteristics set forth in section 17B(b)(2) of the Federal Securities Exchange Act of 1934, or such other automated interdealer quotation system designated by the Federal Securities Exchange Commission for purposes of this definition, at any time in which at least two market makers are contemporaneously displaying on such system bid and offer quotation for the Security at specified prices.
- ii. If a Security is a unit composed of one or more Securities, the unit price divided by the number of shares of the unit that are not warrants, options, rights, or similar Securities must be five dollars or more as determined in accordance with paragraph (d)(i), and any share of the unit that is a warrant, option, right, or similar security, or a convertible security, must have an exercise price or conversion price of five dollars or more;
- e. That is registered, or approved for registration upon notice of issuance, on a national securities exchange that makes transaction reports available provided that:
 - i. Price and volume of information with respect to transactions in that security is required to be reported on a current and continuing basis and is made available to vendors of market information pursuant to the rules of the national securities exchange;
 - ii. The Security is purchased or sold in a transaction that is effected on or through the facilities of the national securities exchange, or that is part of the distribution of the Security; and
 - iii. The Security satisfies the requirements of paragraphs (a)(i) or (a)(ii);
- f. That is a security futures product listed on a national securities exchange or an automated quotation system sponsored by a registered national securities association; or
- g. Whose issuer has:
 - i. Net tangible assets in excess of \$2,000,000, if the issuer has been in continuous operation for at least three years, or \$5,000,000 if the issuer has been in continuous operation for less than three years; or
 - ii. Average revenue of at least \$6,000,000 for the last three years.

“Permitted Economic Interest” means an any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business issued prior to January 1, 2020 where the holder is a natural person who is a lawful United States resident and whose right to convert into an ownership interest is contingent on the holder qualifying as a Controlling Beneficial Owner or Passive Beneficial Owner under the Retail Code or Medical Code. This definition is repealed effective January 1, 2020.

“Person” means a natural person, an estate, a trust, an Entity, or a state or other jurisdiction.

“Pesticide” means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any pest or any substance or mixture of substances intended for use as a plant regulator, defoliant or desiccant; except that the term “pesticide” does not include any article that is a “new animal drug” as designated by the United States Food and Drug Administration.”

“Pesticide Manufacturer” means a Person who: (1) manufactures, prepares, compounds, propagates, or processes any Pesticide or device or active ingredient used in producing a Pesticide; (2) who possesses an establishment number with the U.S. Environmental Protection Agency pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. §§ 136 *et seq.*; (3) who conducts research to establish safe and effective protocols, including but not limited to establishing efficacy and toxicity, for the use of Pesticides on Regulated Marijuana; (4) who has applied for and received any necessary license, registration, certifications, or permits from the Colorado Department of Agriculture pursuant to the Pesticide Act, section 35-9-101 *et seq.*, C.R.S., and/or the Pesticide Applicators’ Act, sections 35-10-101 *et seq.*, C.R.S.; (5) who is authorized to conduct business in the State of Colorado; and (6) who has physical possession of the location in the State of Colorado where its research activities occur. A Pesticide Manufacturer is neither a Regulated Marijuana Business nor a Licensee.

“Production Batch” means (a) any amount of Medical Marijuana Concentrate or Retail Marijuana Concentrate of the same category and produced using the same extraction methods, standard operating procedures and an identical group of Harvest Batch(es) of Medical Marijuana or Retail Marijuana; or (b) any amount of Medical Marijuana Product or Retail Marijuana Product of the same exact type, produced using the same ingredients, standard operating procedures and the same Production Batch(es) of Medical Marijuana Concentrate or Retail Marijuana Concentrate.

“Professional Engineer” means a natural person who is licensed by the State of Colorado as a professional engineer pursuant to sections 12-25-101 *et seq.*, C.R.S.

“Proficiency Testing” means an assessment of the performance of a Medical Marijuana Testing Facility’s or Retail Marijuana Testing Facility’s methodology and processes. Proficiency Testing is also known as inter-laboratory comparison. The goal of Proficiency Testing is to ensure results are accurate, reproducible, and consistent.

“Propagation” means the reproduction of Regulated Marijuana plants by seeds, cuttings or grafting.

“Public Institution”, for purposes of the 1900 Series, means any entity established or controlled by the federal government, a state government, or a local government or municipality, including but not limited to institutions of higher education or public higher education research institutions.

“Public Money”, for purposes of the 1900 Series, means any funds or money obtained by the holder from any governmental entity, including but not limit to research grants.

“Publicly Traded Corporation” means any Person other than an individual that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia or another country that authorizes the sale of marijuana that:

- a. Has a class of Securities registered pursuant to section 12 of the Securities Exchange Act of 1934, as amended, that:
 - i. Constitutes Covered Securities; or
 - ii. Is qualified and quoted on the OTCQX or OTCQB tier of the OTC markets if:
 - A. The Person is then required to file reports and is filing reports on a current basis with the Federal Securities Exchange

Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities; and

- B. The Person has established and is in compliance with corporate governance measures pursuant to corporate governance obligations imposed on Securities qualified and quoted on the OTCQX tier of the OTC markets.
- b. Is an Entity that has a class of Securities listed on the Canadian Securities Exchange, Toronto Stock Exchange, TSX Venture Exchange, or NEO Exchange, if:
 - i. The Entity constitutes a Foreign Private Issuer whose Securities are exempt from registration pursuant to section 12 of the Federal Securities Exchange Act of 1934, as amended, pursuant to Rule 12g3-2(b) promulgated pursuant to the federal Securities Exchange Act of 1934, as amended; and
 - ii. The Entity has been, for the preceding three hundred sixty-five days or since the formation of the Entity, in compliance with all governance and reporting obligations imposed by the relevant exchange on such Entity; or
- c. Publicly Traded Corporation does not include:
 - i. An Ineligible Issuer, unless such Publicly Traded Corporation satisfies the definition of Ineligible Issuer solely because it is one or more of the following, and the Person is filing reports on a current basis with the Federal Securities and Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities, and prior to becoming a Publicly Traded Corporation, the Person for at least two years was licensed by the State Licensing Authority as a Regulated Marijuana Business with a demonstrated history of operations in the state of Colorado, and during such time was not subject to suspension or revocation of the business license:
 - A. a Blank Check Company;
 - B. an issuer in an offering of Penny Stock; or
 - C. a Shell Company.
 - ii. A Person disqualified as a Bad Actor.

“Qualified Institutional Investor” means:

- a. A bank as defined in Section 3(a) (6) of the Federal Securities Exchange Act of 1934, as amended, if the bank is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- b. A bank holding company as defined in the Federal Bank Holding Company Act of 1956, as amended, if the bank holding company is registered and current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;

- c. An insurance company as defined in Section 2(a) (17) of the Federal Investment Company Act of 1940, as amended, if the insurance company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- d. An investment company registered under Section 8 of the Federal Investment Company Act of 1940, as amended, and subject to 15 U.S.C. Sec. 80a-1 to 80a-64, if the investment company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;
- e. An employee benefit plan or pension fund subject to the Federal Employee Retirement Income Security Act of 1974, excluding an employee benefit plan or pension fund sponsored by a licensee or an intermediary or holding company licensee which directly or indirectly owns ten percent or more of a licensee;
- f. A state or federal government pension plan; or
- g. A group comprised entirely of persons specified in (a) through (g) of this definition.

“Qualified Private Fund” means an issuer that would be an investment company, as defined in section 3 of the Federal Investment Company Act of 1940, but for the exclusions provided under sections 3(c)(1) or 3(c)(7) of that Act, and that:

- a. Is advised or managed by an investment adviser as defined and registered under sections 80b-1-21, title 15 of the Federal Investment Advisors Act of 1940, and for which the registered investment adviser is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder; and
- b. Satisfies one or more of the following:
 - i. Is organized under the law of a state or the United States;
 - ii. Is organized, operated, or sponsored by a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended; or
 - iii. Sells Securities to a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended.

“R&D Co-Location Permit” means a permit issued to a Licensed Research Business authorizing it to co-locate with a commonly owned Medical Marijuana-Infused Products Manufacturer, Retail Marijuana Products Manufacturing Facility, Optional Premises Cultivation Operation, or Retail Marijuana Cultivation Facility pursuant to Rule M 1901. A separate R&D Co-Location Permit is required for each location at which a Licensed Research Business seeks to share a single Licensed Premises.

“Reasonable Cause” means just or legitimate grounds based in law and in fact to believe that the particular requested action furthers the purposes of the Medical Code and Retail Code or protects the public safety.

“Regulated Marijuana” means Medical Marijuana and Retail Marijuana. If the context requires, Regulated Marijuana includes Medical Marijuana Concentrate, Medical Marijuana-Infused Products, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Regulated Marijuana Business” means Medical Marijuana Businesses and Retail Marijuana Establishments.

“Regulated Marijuana Products” means Medical Marijuana-Infused Products and Retail Marijuana Products.

“Remediation” means the process by which Regulated Marijuana flower or trim, which has failed microbial testing, is processed into Solvent-Based Medical Marijuana Concentrate, or into Solvent-Based Retail Marijuana Concentrate, and retested as required by these rules.

“Resealable” means that the Container maintains its Child-Resistant effectiveness for multiple openings.

“Research Project” means a discrete scientific endeavor to answer a research question or a set of research questions. A Research Project must include a description of a defined protocol, clearly articulated goal(s), defined methods and outputs, and a defined start and end date. The description must demonstrate that the Research Project will comply with all requirements in the M 1900 Series. All research and development conducted by a Licensed Research Business must be conducted in furtherance of an approved Research Project.

“Respondent” means a person who has filed a petition for declaratory order that the State Licensing Authority has determined needs a hearing or legal argument or a Licensee who is subject to an Order to Show Cause.

“Responsible Vendor Program Provider” means a Person offering an Approved Training Program, in accordance with sections 44-11-1101, C.R.S., to Licensees seeking to be designated a responsible vendor.

“Restricted Access Area” means a designated and secure area within a Licensed Premises in 1) a Medical Marijuana Center where Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product are sold, possessed for sale, and displayed for sale, and where no one without a valid patient registry card is permitted, and 2) in a Retail Marijuana Store where Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product are sold, possessed for sale, and displayed for sale, and where no one under the age of 21 is permitted..

“Retail Code” means the Colorado Retail Marijuana Code, found at sections 44-12-101 *et seq*, C.R.S.

“Retail Marijuana” means all parts of the plant of the genus *cannabis* whether growing or not, the seeds thereof, the resin extracted from any part of the plant, and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds, or its resin, including but not limited to Retail Marijuana Concentrate that is cultivated, manufactured, distributed, or sold by a licensed Retail Marijuana Establishment. “Retail Marijuana” does not include industrial hemp, nor does it include fiber produced from stalks, oil, or cake made from the seeds of the plant, sterilized seed of the plant which is incapable of germination, or the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink, or other product. Unless the context otherwise requires, Retail Marijuana Concentrate is considered Retail Marijuana and is included in the term “Retail Marijuana” as used in these rules.

“Retail Marijuana Concentrate” means a specific subset of Retail Marijuana that was produced by extracting Cannabinoids from Retail Marijuana. Categories of Retail Marijuana Concentrate include Water-Based Retail Marijuana Concentrate, Food-Based Retail Marijuana Concentrate, Solvent-Based Retail Marijuana Concentrate, and Heat/Pressure-Based Retail Marijuana Concentrate.

“Retail Marijuana Cultivation Facility” means an entity licensed to cultivate, prepare, and package Retail Marijuana and Transfer Retail Marijuana to Retail Marijuana Establishments, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Establishment” means a Retail Marijuana Store, a Retail Marijuana Cultivation Facility, a Retail Marijuana Products Manufacturing Facility, a Retail Marijuana Testing Facility, a Retail Marijuana Establishment Operator, or a Retail Marijuana Transporter.

“Retail Marijuana Establishment Operator” means an entity that holds a license from the State Licensing Authority to provide professional operational services to one or more Retail Marijuana Establishments for direct remuneration from the Retail Marijuana Establishment(s), which may include compensation based upon a percentage of the profits of the Retail Marijuana Establishment(s) being operated. A Retail Marijuana Establishment Operator contracts with Retail Marijuana Establishment(s) to provide operational services. A Retail Marijuana Establishment Operator’s contract with a Retail Marijuana Establishment does not in and of itself constitute ownership.

“Retail Marijuana Product” means a product that is comprised of Retail Marijuana and other ingredients and is intended for use or consumption, such as, but not limited to, edible product, ointments and tinctures.

“Retail Marijuana Products Manufacturing Facility” means an entity licensed to purchase Retail Marijuana; manufacture, prepare, and package Retail Marijuana Product; and Transfer Retail Marijuana and Retail Marijuana Product to other Retail Marijuana Products Manufacturing Facilities, Retail Marijuana Stores, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Store” means an entity licensed to purchase Retail Marijuana from a Retail Marijuana Cultivation Facility and to purchase Retail Marijuana Product from a Retail Marijuana Products Manufacturing Facility and to Transfer Retail Marijuana and Retail Marijuana Product to consumers.

“Retail Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Retail Marijuana Transporter” means a Person that is licensed to transport Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products from one Retail Marijuana Establishment to another Retail Marijuana Establishment or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products at its Licensed Premises, but is not authorized to sell, give away, buy, or receive complimentary Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products under any circumstances. A Retail Marijuana Transporter does not include a Licensee that transports and distributes its own Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.

“RFID” means Radio Frequency Identification.

“Sample” means any item collected from a Regulated Marijuana Business and provided to a Medical Marijuana Testing Facility or Retail Marijuana Testing Facility for testing. The following is a non-exhaustive list of types of Samples: Medical Marijuana, Medical Marijuana-Infused Product, Medical Marijuana Concentrate, Retail Marijuana, Retail Marijuana Concentrate, Retail Marijuana Product, soil, growing medium, water, solvent or swab of a counter or equipment.

“Sampling Manager” means an Owner Licensee or Key Licensee designated by an Optional Premises Cultivation Operation, a Medical Marijuana-Infused Products Manufacturer, a Retail Marijuana Cultivation Facility, or a Retail Marijuana Products Manufacturer to receive Transfers of Sampling Units pursuant to Rules M 508 and 606, and Rules R 507 and 606.

“Sampling Unit” means a unit of Regulated Marijuana or Regulated Marijuana Products to a Sampling Manager for purposes of quality control and product development pursuant to Rules M

508 and 606, sections 44-11-403(4) and 44-11-404(12), C.R.S., and Rules R 507 and 606, sections 44-12-403(6) and 44-12-404(10), C.R.S.

“Security(ies)” means any note, stock, treasury stock, security future, security-based swap, bond, debenture, evidence of indebtedness, certificate of interest or participation in any profit-sharing agreement, collateral-trust certificate, preorganization certificate or subscription, transferable share, investment contract, voting-trust certificate, certificate of deposit for a security, fractional undivided interest in oil, gas, or other mineral rights, any put, call, straddle, option, or privilege on any security, certificate of deposit, or group index of securities (including any interest therein or based on the value thereof), or any put, call, straddle, option, or privilege entered into on a national securities exchange relating to foreign currency, or, in general, any interest or instrument commonly known as a “security,” or any certificate of interest or participation in, temporary or interim certificate for, receipt for, guarantee of, or warrant or right to subscribe to or purchase, any of the foregoing.

“Security Alarm System” means a device or series of devices, intended to summon law enforcement personnel during, or as a result of, an alarm condition. Devices may include hard-wired systems and systems interconnected with a radio frequency method such as cellular or private radio signals that emit or transmit a remote or local audible, visual, or electronic signal; motion detectors, pressure switches, duress alarms (a silent system signal generated by the entry of a designated code into the arming station to indicate that the user is disarming under duress); panic alarms (an audible system signal to indicate an emergency situation); and hold-up alarms (a silent system signal to indicate that a robbery is in progress).

“Shell Company” means a registrant, other than an asset-backed issuer as defined in Item 1101(b) of Regulation AB, that has:

- a. No or nominal operations; and
- b. Either:
 - i. No or nominal operations;
 - ii. Assets consisting solely of cash and cash equivalents; or
 - iii. Assets consisting of any amount of cash and cash equivalents and nominal other assets.

“Shipping Container” means a hard-sided container with a lid or other enclosure that can be secured in place. A Shipping Container is used solely for the transport of Regulated Marijuana or Regulated Marijuana Product between Regulated Marijuana Businesses, a Medical Research Facility, or a Pesticide Manufacturer.

“Single-Serving Edible Retail Marijuana Product” means an Edible Retail Marijuana Product unit for sale to consumers containing no more than 10mg of active THC.

“Solvent-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of a solvent approved by the Division pursuant to Rule M 605.

“Solvent-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of a solvent approved by the Division pursuant to Rule R 605.

“Standardized Graphic Symbol” means a graphic image or small design adopted by a Licensee to identify its business.

“State Licensing Authority” means the authority created for the purpose of regulating and controlling the licensing of the cultivation, manufacture, distribution, and Transfer of Medical Marijuana and Retail Marijuana in Colorado, pursuant to section 44-11-201, C.R.S.

“Support License” means a license for an natural person who performs duties that support the Regulated Marijuana Business’ operations. A Support Licensee is a person with less decision-making authority than a Key Licensee. Examples of persons who need this type of license include, but are not limited to, sales clerks or cooks.

“Temporary Appointee Registration” means a registration issued to a Court Appointee pursuant to section 44-11-401(1.5)(b), C.R.S.

“THC” means tetrahydrocannabinol.

“THCA” means tetrahydrocannabinolic acid.

“Test Batch” means a group of Samples that are derived from a single Harvest Batch, Production Batch, or Inventory Tracking System package, and that are collectively submitted to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility for testing purposes.

“Total THC” means the sum of the percentage by weight of THCA multiplied by 0.877 plus the percentage by weight of THC, i.e., $\text{Total THC} = (\% \text{ THCA} \times 0.877) + \% \text{ THC}$.

“Transfer(s)(ed)(ing)” means to grant, convey, hand over, assign, sell, exchange, donate, or barter, in any manner or by any means, with or without consideration, any Regulated Marijuana or Regulated Marijuana Product from one Licensee to another Licensee, to a patient, or to a consumer. A Transfer includes the movement of Regulated Marijuana or Regulated Marijuana Product from one Licensed Premises to another, even if both premises are contiguous, and even if both premises are owned by a single Person or group of Persons, and also includes a virtual Transfer that is reflected in the Inventory Tracking System, even if no physical movement of the Regulated Marijuana or Regulated Marijuana Product occurs.

“Universal Symbol” means the image established by the Division and made available to Licensees through the Division’s website indicating the Regulated Marijuana or Regulated Marijuana Product contains marijuana.

“Unrecognizable” means marijuana or *Cannabis* plant material rendered indistinguishable from any other plant material.

“U.S. Person” means:

- a. Any natural person resident in the United States;
- b. Any partnership or corporation organized or incorporated under the laws of the United States;
- c. Any estate of which any executor or administrator is a U.S. natural person;
- d. Any trust of which any trustee is a U.S. natural person;
- e. Any agency or branch of a foreign entity located in the United States;
- f. Any non-discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary for the benefit or account of a U.S. natural person;

- g. Any discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary organized, incorporated, or (if a natural person) resident in the United States; and
- h. Any partnership or corporation if:
 - i. Organized or incorporated under the laws of any foreign jurisdiction; and
 - ii. Formed by a U.S. natural person principally for the purpose of investing in Owner's Interests not registered under the Securities Act of 1933, unless it is organized or incorporated, and owned, by accredited investors (as defined in § 230.501(a)) who are not natural persons, estates or trusts.

"Vegetative" means the state of the *Cannabis* plant during which plants do not produce resin or flowers and are bulking up to a desired production size for Flowering.

"Water-Based Medical Marijuana Concentrate" means a Medical Marijuana Concentrate that was produced by extracting cannabinoids from Medical Marijuana through the use of only water, ice, or dry ice.

"Water-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of only water, ice, or dry ice.

Rule 200-1 Series – Applications and Licenses (effective August 1, 2019)

Basis and Purpose – Rule 201-1

House Bill 19-1090 includes a safety clause and provides it applies to all applications received on or after November 1, 2019. The purpose of this rule is to clarify the effective date of these rules given the safety clause and November 1, 2019, application date in HB19 1090.

Rule 201-1 – Applicability

These rules are effective August 1, 2019. Applications requiring a finding of suitability, involving a Publicly Traded Corporation, or involving a Qualified Private Fund, may be made on or after November 1, 2019. Applications that do not require a finding of suitability or that do not involve a Publicly Traded Corporation or Qualified Private Fund remain subject to the application submission requirements as of the date these rules are adopted by the State Licensing Authority.

Basis and Purpose – Rule 205-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-104, 44-11-310, 44-11-401, 44-11-501, 44-11-502, 44-11-1101, 44-11-1102, 44-11-202(2)(a)(XXVI), 44- 44-12-202(2)(a), 44-11-1101, 44-11-1102, 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), 44-12-103, 44-12-401, 44-11-501, 44-11-502, 44-12-501, and 44-12-202(2)(a)(XXII), C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish fees required for applications, licenses fees, permits, and other fees required to accompany applications and submissions to the Division. The Division anticipates evaluating all fees in connection with a fee analysis. The fee analysis could include a recommendation to move to a deposit based finding of suitability fee for some or all Controlling Beneficial Owners. Any recommendations from the fee analysis would be considered during subsequent rulemaking proceedings.

Rule 205-1 – Fees**A. Regulated Marijuana Business Initial Application and License Fees.****1. Medical Marijuana Businesses.**

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
<u>Medical Marijuana Center</u>	\$5,000.00	\$2,000.00
<u>Medical Marijuana-Infused Products Manufacturer</u>	\$1,000.00	\$1,500.00
<u>Optional Premises Cultivation Operation</u>	\$1,000.00	
Class 1 (1-500 plants)		\$1,500.00
Class 2 (501-1,500 plants)		\$1,000.00
Class 3 (1,501-3,000 plants)		\$2,500.00
Expanded Production Management (for each class of 3,000 plants over Class 3)		\$2,500.00 plus an additional \$1,000 for each class of 3,000 plants over Class 3.
<u>Medical Marijuana Testing Facility</u>	\$1,000.00	\$1,500.00
<u>Medical Marijuana Transporter</u>	\$1,000.00	\$4,400.00
<u>Medical Marijuana Business Operator</u>	\$1,000.00	\$2,200.00
<u>Marijuana Research and Development Facility</u>	\$1,000.00	\$1,500.00
<u>Marijuana Research and Development Cultivation</u>	\$1,000.00	\$1,500.00

2. Retail Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
<u>Retail Marijuana Store</u>	\$5,000.00	\$2,000.00
<u>Retail Marijuana Products Manufacturing Facility</u>	\$5,000.00	\$1,500.00
<u>Retail Marijuana Cultivation Facility</u> Tier 1 (1-1,800 plants)	\$5,000.00	\$1,500.00

Tier 2 (1,801-3,600 plants)		\$1,000.00
Tier 3 (3,601-6,000 plants)		\$2,000.00
Tier 4 (6,001-10,200 plants)		\$4,000.00
Tier 5 (10,201-13,800 plants)		\$6,000.00
Expanded Production Management (for each additional tier of 3,600 plants over Tier 5)		\$6,000.00 plus an additional \$1,000 for each tier of 3,600 plants over Tier 5
<u>Retail Marijuana Testing Facility</u>	\$1,000.00	\$1,500.00
<u>Retail Marijuana Transporter</u>	\$1,000.00	\$4,400.00
<u>Retail Marijuana Business Operator</u>	\$1,000.00	\$2,200.00

B. Regulated Marijuana Business Renewal Application and Fees.

1. Medical Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>
<u>Medical Marijuana Center</u>	\$1,500.00	\$300.00
<u>Medical Marijuana-Infused Products Manufacturer</u>	\$1,500.00	
<u>Optional Premises Cultivation Operation</u>	\$1,500.00	
Class 1 (1-500 plants)	\$800.00	
Class 2 (501-1,500 plants)	\$2,000.00	
Class 3 (1,501-3,000 plants)	\$2,000.00 plus an additional \$800 for each class of 3,000 plants over Class 3.	
Expanded Production Management (for each class of 3,000 plants over Class 3)		
<u>Medical Marijuana Testing Facility</u>	\$1,500.00	
<u>Medical Marijuana Transporter</u>	\$4,400.00	
<u>Medical Marijuana Business Operator</u>	\$2,200.00	
<u>Marijuana Research and Development Facility</u>	\$1,500.00	

<u>Marijuana Research and Development Cultivation</u>	\$1,500.00	
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2. Retail Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>
<u>Retail Marijuana Store</u>	\$1,500.00	\$300.00
<u>Retail Marijuana Products Manufacturing Facility</u>	\$1,500.00	
<u>Retail Marijuana Cultivation Facility</u> Tier 1 (1-1,800 plants)	\$1,500.00	
Tier 2 (1,801-3,600 plants)	\$800.00	
Tier 3 (3,601-6,000 plants)	\$1,500.00	
Tier 4 (6,001-10,200 plants)	\$3,000.00	
Tier 5 (10,201-13,800 plants)	\$5,000.00	
Expanded Production Management (for each additional tier of 3,600 plants over Tier 5)	\$5,000.00 plus an additional \$800.00 for each tier of 3,600 plants over Tier 5	
<u>Retail Marijuana Testing Facility</u>	\$1,500.00	
<u>Retail Marijuana Transporter</u>	\$4,400.00	
<u>Retail Marijuana Business Operator</u>	\$2,200.00	

C. **Owner Request for a Finding of Suitability, Owner License and Owner Identification Badge – Initial Application and Renewal Fees.**

1. Controlling Beneficial Owner Request for a Finding of Suitability.
 - a. Colorado Resident Controlling Beneficial Owner - \$800.00 Per Natural Person
 - b. Non-Resident Controlling Beneficial Owner - \$5,000.00 Per Natural Person
 - c. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include either a \$800.00 (Colorado resident) or a \$5,000.00 (non-resident) fee for each of its Executive Officers and any person that indirectly Beneficially Owns ten percent or more of the Regulated Marijuana Business.
2. Owner License and Owner Identification Badge. A Person possessing an Owner License may be issued an Identification Badge. Only Controlling Beneficial Owners and Passive Beneficial Owners can obtain an Owner License.

- a. Controlling Beneficial Owner and any Passive Beneficial Owner Subject to a Finding of Suitability - License Fee. A Controlling Beneficial Owner or Passive Beneficial Owner who was found suitable after November 1, 2019, and within the preceding 365 days, must pay a license fee of \$75.00 prior to obtaining an Owner Identification Badge.
- b. Passive Beneficial Owner Application and License Fee. A Passive Beneficial Owner may, but is not required to, apply for an Owner License and Identification Badge. A Passive Beneficial Owner who has not obtained a finding of suitability after November 1, 2019, and within the preceding 365 days, must pay an initial application and license fee of \$800.00 (Colorado resident) or \$5,000.00 (non-resident) fee for each natural person or, if the Passive Beneficial Owner is an Entity, the Entity must pay the fee for each of its Executive Officers.
 - i. Of the total Passive Beneficial Owner application and license fee, \$75.00 is the license fee and the remaining \$725.00 (Colorado resident) or \$4,925.00 (non-resident) is the application fee. A Person submitting an application for a Passive Beneficial Owner license may submit the total fee of either \$800.00 or \$5,000.00 in one form of payment.
3. Owner License Renewal Fee. All Controlling Beneficial Owners and Licensed Passive Beneficial Owners - \$500.00

D. **Employee License – Initial Application and Renewal Fees.**

1. Key License Initial Application and License Fee - \$250.00
 - a. Of the total Key License application and license fee, \$225.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Key License may submit the total fee of \$250.00 in one form of payment.
2. Support License Initial Application and License Fee - \$75.00
 - a. Of the total Support License application and license fee, \$50.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Support License may submit the total fee of \$75.00 in one form of payment.
3. Key and Support License Renewal Fee - \$75.00

E. **Temporary Appointee Registration - Request for Finding of Suitability Fees**

1. Natural Person - \$225.00
2. Entity - \$800.00

F. **Other Fees.** The following other fees apply:

1. Permits.
 - a. Off Premises Storage Permit - \$1,500.00
 - b. Medical Marijuana Transporter Off Premises Storage Permit - \$2,200.00
 - c. Centralized Distribution Permit Initial and Renewal Fee - \$20.00
 - d. R&D Co-Location Permit Initial and Renewal Fee - \$50.00

2. Regulated Marijuana Business Changes.
 - a. Change of Controlling Beneficial Owner – Not Involving a Publicly Traded Corporation – New Controlling Beneficial Owner(s) - \$1,600.00
 - b. Change of Entity Type/Jurisdiction - \$800.00
 - c. Change of Trade Name - \$50.00
 - d. Change of Location - \$500.00
 - e. Modification of Licensed Premises - \$100.00
3. Licensed Research Business Research Project Proposal - \$500.00
4. Responsible Vendor Provider Applications.
 - a. Responsible Vendor Provider Initial Application - \$850.00
 - b. Responsible Vendor Provider Renewal Application - \$350.00
5. Duplicate License, Identification Badge, or Certificate.
 - a. Duplicate Business License - \$20.00
 - b. Duplicate Owner or Employee Identification Badge - \$20.00
 - c. Responsible Vendor Program Provider Duplicate Certificate - \$50.00

G. When Fees are Due. All fees in this Rule are due at the time the application or request is submitted.

Basis and Purpose – Rule 210-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304(1), 44-12-202(2)(b), 24-4-105(2), and 44-12-601(2), C.R.S. The purpose of this rule is to clarify the duties that Applicants and Licensees have when reporting to the State Licensing Authority information that is necessary for the issuance of a state license. These duties include but are not limited to reporting and keeping a mailing address current, reporting a felony conviction or other disqualifying event, cooperating with the State Licensing Authority and his or her employees, and notifying the State Licensing Authority of any change of registered agent in the State of Colorado.

Rule 210–1 – Duties of All Applicants and Licensees

- A. Duty to Keep Mailing Address Current: All Licensees.
 1. Timing of Notification. An Applicant or Licensee must provide a physical mailing address to the Division and may provide an electronic mailing address to the Division. A Licensee must inform the Division in writing of any change to its physical mailing address and/or electronic mailing address within 28 days of the change. The Division will not change a Licensee's information without written notice from the Licensee or its authorized agent.
 2. State Licensing Authority and Division Communications. The State Licensing Authority and Division will send any formal notifications or determinations regarding any application or an administrative action to the last mailing address and to the last electronic mailing address, if any, furnished to the Division by the Applicant or Licensee.

3. Failure to Change Address Does Not Relieve Applicant's or Licensee's Obligations. An Applicant's or Licensee's failure to notify the Division of a change of physical or electronic mailing address does not relieve the Applicant or Licensee from the obligation of responding to a Division communication or a State Licensing Authority communication.
- B. Duty to Report Felony Convictions, Deferred Sentences and Judgments. An Applicant or Licensee must notify the Division in writing of any felony conviction or deferred sentence or judgment regarding a felony against him or her within seven days of the conviction or deferred sentence or judgment. The notification must include disposition documents. Failure to make required notification to the Division may be grounds for administrative action.
- C. Duty to Report Any Disqualifying Event. Applicants and Licensees must notify the Division within seven days of any change of fact that would result in the Applicant or Licensee being disqualified from holding a license, permit, or registration pursuant to the Medical Code, the Retail Code, or these Rules.
- D. Duty to Cooperate. Applicants and Licensees must cooperate in any investigation conducted by the Division. Failure to cooperate with a Division investigation may be grounds for denial of an application or for administrative action against a Licensee.
- E. Duty to Report Change of Registered Agent. A Regulated Marijuana Business must disclose any change of its registered agent in the State of Colorado within seven days of the change.

Basis and Purpose – Rule 215-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a) (XIX), 44-11-202(2)(a)(XXIV), 44-11-202(5)(a)(I)-(III), 44-11-304, 44-11-306, 44-11-307, 44-11-309, 44-11-310, 44-11-311, 44-11-313, 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a) (XIV), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-202(6)(a)(I)-(III), 44-12-303, 44-12-305, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to clarify the type of information an Applicant or Licensee must provide to the State Licensing Authority to require notification of the applicable local licensing authority or local jurisdiction, a requirement that the Applicant or Licensee establish he or she is not a person prohibited under the Medical or Retail Codes, and to require submission of documents necessary to establish financial history and tax compliance.

Rule 215-1 – All Application Requirements

This Rule 215-1 applies to all applications submitted to the Division for a license, permit or registration provided by the Medical Code or the Retail Code.

- A. Division Forms Required. All applications for licenses, registrations or permits authorized by subsections 44-11-401(1) and (1.5), or 44-12-401(1) and (1.5), C.R.S., must be made on current Division forms.
- B. Application Fees Required. Applications must be accompanied by full remittance of the required application and license fees. See Rule 205-1.
- C. Complete, Accurate, and Truthful Applications Required. Applications must be complete, accurate and truthful and include all attachments and supplemental information. Incomplete applications may not be accepted by the Division.
- D. Local Licensing Authority/Local Jurisdiction.
 - 1. Each application must identify the applicable local licensing authority or local jurisdiction.
 - 2. If the local licensing authority or local jurisdiction requires a physical copy of the application, the Applicant or Licensee must submit the original application and one identical copy to the Division. Otherwise the Applicant or Licensee must submit only the original application to the Division.
- E. Applicant Not Prohibited from Licensure. Applicants must provide information establishing the Applicant is not a Person prohibited from licensure by sections 44-11-306 or 44-12-305, C.R.S. Each natural person required to obtain an Owner License or an Employee License must provide proof of lawful presence or citizenship, and Colorado residency, if required.
- F. Additional Information and Documents May Be Required.
 - 1. Upon request by the Division, an Applicant must provide additional information or documents required to process and investigate the application. The additional information or documents must be provided to the Division within seven days of the request, however, this deadline may be extended for a period of time commensurate with the scope of the request.
 - 2. An Applicant's failure to provide requested information or documents by the deadline may be grounds for denial of the application.
- G. Application Forms Accessible. All application forms provided by the Division and filed by an Applicant for a license, registration, or permit, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the

Retail Code, for investigation or enforcement of any international, federal, state, or local securities law or regulation, for any other state or local law enforcement purpose, or as otherwise required by law.

Basis and Purpose – Rule 220-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(e), 44-11-202(2)(a) (XVI), 44-11-202(a)(XVII), 44-11-202(5)(a), 44-11-301, 44-11-304, 44-11-310, 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(XII), 44-12-202(3)(c)(VII), 44-12-202(6)(a), 44-12-303, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to establish the general requirements and processes for submission of an initial application to the State Licensing Authority.

Rule 220–1 – Initial Application Requirements for Regulated Marijuana Businesses

- A. Documents and Information Required. Every initial application for a Regulated Marijuana Business license must include all required documents and information including, but not limited to:
1. A copy of the local license application, if required, for a Regulated Marijuana Business.
 2. Certificate of Good Standing from the jurisdiction in which the Entity was formed, which must be one of the states of the United States, territories of the United States, District of Columbia or another country that authorizes the sale of marijuana.
 3. If the Applicant is an Entity, the identity and physical address of its registered agent in the state of Colorado.
 4. Organizational Documents. Articles of incorporation, by-laws, and any shareholder agreement for a corporation; articles of organization and operating agreement for a limited liability company; or partnership agreement for a partnership.
 5. Corporate Governance Documents:
 - a. A Regulated Marijuana Business that is a Publicly Traded Corporation must maintain corporate governance documents as required by the securities exchange on which its securities are listed and traded and 44-11-104(22.7)((a)(II)(B) and 4-12-103(19.5)(a)(II)(B), C.R.S., and must provide those corporate governance documents with each initial application.
 - b. A Regulated Marijuana Business that is not a Publicly Traded Corporation is not required to maintain any corporate governance documents. However, if the Regulated Marijuana Business that is not a Publicly Traded Corporation voluntarily maintains corporate governance documents, the Division encourages inclusion of such documents with each initial application.
 6. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Applicant is, or will be, entitled to possession of the premises for which the application is made.
 7. Legible and accurate diagram for the facility. The diagram must include a plan for the Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide a .pdf copy of the diagram.
 8. All required findings of suitability issued by the Division.
 9. All required Owner License application(s).

10. If the applicant is a Publicly Traded Corporation,
 - a. Documents establishing the Publicly Traded Corporation qualifies to hold a Regulated Marijuana Business license including but not limited to disclosure of the securities exchange(s) on which its Securities are listed and traded, the stock symbol(s), the identity of all regulators with regulatory oversight over its Securities; and
 - b. Divestiture plan for any Controlling Beneficial Owner that is a Person prohibited by the Medical Code or the Retail Code, has had her or his Owner License revoked, or has been found unsuitable.
 11. Financial Statements. Consolidated financial statements (which may be prepared on either a calendar or fiscal year basis) that were prepared in the preceding 365 days, and which must include a balance sheet, an income statement, and a cash flow statement. If the Applicant or Regulated Marijuana Business is required to have audited financial statements by another regulator (e.g. United States Securities and Exchange Commission or the Canadian Securities Administrators) the financial statements provided to the Division must be audited and must also include all footnotes, schedules, auditors' report(s), and auditor's opinion(s). If the financial statements are publicly available on a website (e.g. EDGAR or SEDAR), the Applicant or Regulated Marijuana Business may provide notification of the website link where the financial statements can be accessed in lieu of hardcopy submission.
 12. Tax Documents. Documentation establishing compliant return filing and payment of taxes related to any Regulated Marijuana Business in which the Person is, or was, required to file and pay taxes.
- B. Local Licensing/Approval Required.
1. Medical Marijuana Business Local Licensing Authority Approval Required.
 - a. If the Division grants a license to a Medical Marijuana Business before the local licensing authority approves the application or grants a local license, the state license will be conditioned upon local approval. If the local licensing authority denies the application, the state license will be revoked.
 - b. An Applicant is prohibited from operating a Medical Marijuana Business prior to obtaining all necessary licenses, registrations, permits or approvals from both the State Licensing Authority and the local licensing authority.
 2. Retail Marijuana Business Local Jurisdiction Approval Required.
 - a. If the Division grants a license for a Retail Marijuana Business before the local jurisdiction approves the application or grants a local license, the license will be conditioned upon local jurisdiction approval. If the local jurisdiction denies the application, the state license will be revoked.
 - b. The Applicant has one year from the date of licensing by the State Licensing Authority to obtain approval or licensing from the local jurisdiction. If the Applicant fails to obtain local jurisdiction approval or licensing within one year from grant of the state license, the state license expires and may not be renewed.
 - c. An Applicant is prohibited from operating a Retail Marijuana Business prior to obtaining all necessary approvals or licenses from both the State Licensing Authority and the local jurisdiction.

Basis and Purpose – Rule 225-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a) (XVI), 44-11-202(2)(a)(XVII), 44-11-305, 44-11-310, 44-11-311, 44-12-202(2)(b), 44-12-202(3)(c)(VII), 44-12-304, 44-12-309, and 44-12-310, C.R.S. The purpose of this rule is to establish the requirements and procedures for the license renewal process.

Rule 225–1 – Renewal Application Requirements for All Licensees

A. License Periods.

1. Regulated Marijuana Business and Owner Licenses are valid for one year from the date of issuance.
2. Medical Marijuana Transporters, Retail Marijuana Transporters, and Employee Licenses are valid for two years from the date of issuance.

B. Division Notification Prior to Expiration.

1. The Division will send a notice for license renewal 90 days prior to the expiration of an existing license by first class mail to the Licensee's physical address of record.
2. Failure to receive the Division notification does not relieve the Licensee of the obligation to timely renew the license.

C. Renewal Deadline.

1. A Licensee may apply for the renewal of an existing license at least 30 days prior to the license's expiration date. A renewal application filed at least 30 days prior to expiration of the license is timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until a Final Agency Order on the renewal application.
2. If the Licensee files a renewal application less than 30 days prior to expiration, the Licensee must provide a written explanation detailing the circumstances surrounding the untimely filing. If the Division accepts the application, then the application is deemed timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until Final Agency Order on the renewal application.

D. License Expiration.

1. If License Not Renewed Before Expiration. A license is immediately invalid upon expiration if the Licensee has not filed a renewal application and remitted all of the required application and license fees prior to the license expiration date. A Regulated Marijuana Business that fails to file a renewal application and remit all required application and license fees prior to the license expiration date must not operate unless it first obtains a new state license and any required local license.
2. Administratively Continued Regulated Marijuana License. In the event of a renewal application filed after the license expiration date, a Regulated Marijuana Business may not operate unless and until the Division informs the Regulated Marijuana Business Licensee that the license has been administratively continued. A Regulated Marijuana Business whose license has been administratively continued may continue to operate until Final Agency Order on the renewal application. Review of the renewal application will include, among other factors, a review of whether the Regulated Marijuana Business operated with an expired license.

3. The Division will not accept a renewal application filed more than 90 days after the expiration date of the license. A Regulated Marijuana Business license that expired over 90 days prior to submission of the Regulated Marijuana Business' renewal application may only submit a new initial application to the State Licensing Authority.
- E. Voluntarily Surrendered or Revoked Licenses Not Eligible for Renewal. Any license that was voluntarily surrendered or revoked by a Final Agency Order is not eligible for renewal. Any Licensee who voluntarily surrendered its license or has had its license revoked by a Final Agency Order may only submit an initial application. The State Licensing Authority will consider the voluntary surrender or the Final Agency Order and all related facts and circumstances in determining approval of any subsequent initial application.
- F. Licenses Subject to Ongoing Administrative Action. Licenses subject to an administrative action are subject to the requirements of this Rule. Licenses that are not timely renewed expire.
- G. Documents Required at Renewal. A Regulated Marijuana Business must provide the following documents with every renewal application:
1. Any document required by Rule 220-1(A)(1) through (10) that has changed since the document was last submitted to the Division. It is a license violation affecting public safety to fail to submit any document that changed since the last submission for the purpose of circumventing the requirements of the Medical Code, the Retail Code or these Rules;
 2. A copy of the approval or licensure from the local licensing authority and/or local jurisdiction or documentation demonstrating timely submission of pending local license renewal application;
 3. A list of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency, including but not limited to the United States Securities and Exchange Commission or the Canadian Securities Administrators.
 4. A Regulated Marijuana Business operating under a single Entity name with more than one license may submit the following documents only once each calendar year on the first license renewal in lieu of submission with every license renewal in the same calendar year:
 - a. Tax documents and financial statements required by Rule 220-1(A)(11) and (12);
 - b. If the Regulated Marijuana Business is a Publicly Traded Corporation, the most recent list of Non-Objecting Beneficial Owners possessed by the Regulated Marijuana Business;
 - c. A copy of any management agreement(s) the Regulated Marijuana Business has entered into. For example, management agreements include any agreement between the Regulated Marijuana Business and any Person, regardless of whether that Person is licensed, for the management of the overall operations of the Regulated Marijuana Business or its Licensed Premises or any material portion of the Regulated Marijuana Business or its Licensed Premises; and
 - d. Contracts, agreements, royalty agreements, equipment lease, financing agreement, or security contract for any Indirect Financial Interest Holder that is required to be disclosed by Rule 230-1(A)(3).

Basis and Purpose – Rule 230-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a) (VIII), 44-11-202(2)(a)(IX), 44-11-202(2)(a)(XVI), 44-11-202(2)(a)(XVII), 44-11-307.5, 44-11-313, 44-12-202(3)(c)(IV), 44-12-202(3)(c)(V) 44-12-202(3)(a)(III), 44-12-306.5, and 44-12-313, C.R.S. Sections 44-11-307.5 and 44-12-306.5, C.R.S., establish varying disclosure requirements for Applicants and Licensees regarding disclosure of financial interests and ownership in a Regulated Marijuana Business. The purpose of this rule is to clarify information an Applicant or Licensee must disclose to the State Licensing Authority at the various levels, which include mandatory disclosure, disclosure in the State Licensing Authority's discretion, and disclosure for reasonable cause. This rule also provides factors that will be considered in determining whether a Regulated Marijuana Business exercised reasonable care and whether a Person is in control of a Regulated Marijuana Business.

Rule 230–1 – Disclosure of Financial Interests in a Regulated Marijuana Business

- A. Mandatory Disclosures. Information required to be disclosed by sections 44-11-307.5 and 44-12-306.5, C.R.S., must be identified in every initial, renewal and change of owner application. Mandatory disclosures include, but are not limited to:
1. All Regulated Marijuana Businesses (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations) must disclose an organizational chart including the identity and ownership percentages of all Controlling Beneficial Owners;
 2. All Controlling Beneficial Owners.
 - a. For any Controlling Beneficial Owner that is an Entity (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations):
 - i. The Controlling Beneficial Owner's Executive Officers; and
 - ii. Beneficial Owners of ten percent or more of the Controlling Beneficial Owner.
 - b. Natural Persons:
 - i. Name,
 - ii. Address,
 - iii. Date of birth,
 - iv. Social Security Number or other Federal Government issued identification number.
 - c. Qualified Private Fund: Organizational chart reflecting the identity and ownership percentages of the Qualified Private Fund's Executive Officers, investment advisers, investment adviser representatives, any trustee or equivalent, and any other Person that controls the investment in, or management or operations of, a Regulated Marijuana Business
 3. Any Indirect Financial Interest Holder that:
 - a. Holds two or more indirect financial interests,
 - b. Is also a Passive Beneficial Owner, or

- c. That is contributing debt financing, secured or unsecured, that has not previously been disclosed and exceeds fifty percent of the operating capital of the Regulated Marijuana Business or if the calculation yields a negative number. Operating capital is defined as total current and fixed assets less total liabilities (as presented on the balance sheet consistent with the business's past practices), measured as of the nearest month's end prior to the date of the applicable loan document(s).
- B. Discretionary Disclosure. In his or her reasonable discretion, the State Licensing Authority may require disclosure following an initial or renewal application for a Regulated Marijuana Business as follows:
 1. For a Regulated Marijuana Business or a Controlling Beneficial Owner, neither of which is a Publicly Traded Corporation, its:
 - a. Affiliates,
 - b. Beneficial Owners of a Controlling Beneficial Owner;
 2. Qualified Private Fund's Affiliates; and
 3. Managers of a Controlling Beneficial Owner.
- C. Reasonable Cause Disclosure. An Applicant will be notified by the State Licensing Authority of Reasonable Cause to require additional disclosure. The State Licensing Authority's notification will identify the facts and law supporting Reasonable Cause for the disclosure and the deadline for disclosure. The following may be required to be disclosed by the State Licensing Authority's notification:
 1. An updated list of all Non-objecting Beneficial Owners in a Publicly Traded Corporation that is either a Regulated Marijuana Business or a Controlling Beneficial Owner reflecting ownership as of the date of request;
 2. All Passive Beneficial Owners in a Regulated Marijuana Business that is not a Publicly Traded Corporation. If the Passive Beneficial Owner is not a natural person, the members of the board of directors, general partners, managing members, or Managers or Executive Officers and Beneficial Owners of ten percent or more of the Passive Beneficial Owner;
 3. A list of all Beneficial Owners of a Qualified Private Fund;
 4. All Indirect Financial Interest Holders of a Regulated Marijuana Business, and, for any Indirect Financial Interest Holder that is an Entity, the Beneficial Owners of ten percent and more of the Indirect Financial Interest Holder.
- D. Affirmation of Reasonable Care.
 1. Reasonable Care Affirmation for a Regulated Marijuana Business that is not a Publicly Traded Corporation. A Regulated Marijuana Business that is not a Publicly Traded Corporation must affirm it exercised reasonable care to confirm its Passive Beneficial Owner(s), including any Qualified Institutional Investors, and Indirect Financial Interest Holder(s) are not Persons prohibited under these Rules, the Medical Code or the Retail Code. A Regulated Marijuana Business exercises reasonable care if it:
 - a. Receives documentation from each Passive Beneficial Owner, including any Qualified Institutional Investor, and each Indirect Financial Interest Holder

affirming each is not a Person prohibited by these Rules, or the Medical Code or Retail Code; and

- b. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Passive Beneficial Owner or Indirect Financial Interest Holder's affirmation.

- 2. Reasonable Care Affirmation for a Regulated Marijuana Business that is a Publicly Traded Corporation. A Regulated Marijuana Business that is a Publicly Traded Corporation must affirm that it exercised reasonable care to confirm its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, and Indirect Financial Interest Holder(s) are not Persons prohibited by these Rules, the Medical Code or Retail Code. A Regulated Marijuana Business that is a Publicly Traded Corporation exercises reasonable care if it:

- a. At least annually, checks a list of its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, against the Specially Designated Nationals and Blocked Persons List (SDN List) on the United States Treasury Office of Foreign Assets Control (OFAC) website and the Financial Industry Regulatory Authority (FINRA) website for Persons Barred by FINRA to determine if there are any prohibited Persons;
- b. Receives documentation from its Indirect Financial Interest Holder(s) affirming each is not a Person prohibited these Rules, the Medical Code or the Retail Code; and
- c. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Indirect Financial Interest Holder's affirmation.

- 3. An Applicant's or a Regulated Marijuana Business's failure to exercise reasonable care is grounds for denial, fine, suspension, revocation, or other sanction by the State Licensing Authority. An Applicant or Regulated Marijuana Business in compliance with subparagraphs (D)(1)-(2) of this Rule has exercised reasonable care. The State Licensing Authority may consider facts and circumstances beyond those in subparagraphs (D)(1)-(2) in determining whether an Applicant or a Regulated Marijuana Business exercised reasonable care.

- E. Control. The State Licensing Authority will consider all facts and circumstances in determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.

- 1. Non-Exhaustive Factors. Non-exhaustive facts and circumstances that will be considered when evaluating Control include, but are not limited to:

- a. The Person's percentage of ownership, if any;
- b. The Person's ability to influence the decision of the Regulated Marijuana Business;
- c. The Person is a Manager of the Regulated Marijuana Business;
- d. The Person has a close relationship, familial tie or common purpose or motive with one or more Persons in Control of the Regulated Marijuana Business;
- e. The Person has substantial business relationship(s) with the Regulated Marijuana Business;

- f. The Person has the ability to control the proxy machinery or to win a proxy contest;
 - g. The Person is a primary creditor of the Regulated Marijuana Business; or
 - h. The Person is the original incorporator of the Regulated Marijuana Business.
2. Totality of the Evidence. The State Licensing Authority may consider the totality of the evidence when determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.

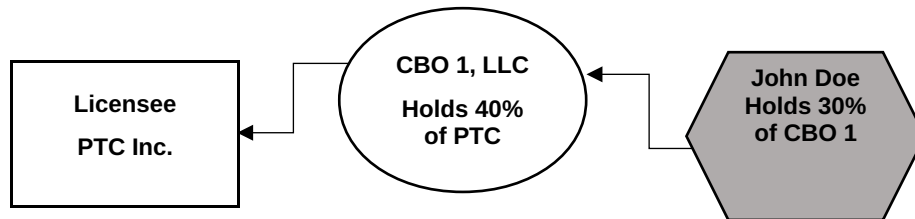
Basis and Purpose – Rule 235-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.6, 44-11-309(4), 44-11-313, 44-12-202(6)(a), 44-12-306.6, 44-12-308(4), and 44-12-312, C.R.S. For those persons disclosed or who should have been disclosed to the State Licensing Authority, sections 44-11-307.6 and 44-12-306, C.R.S., requires that a Person obtain a finding of suitability from the State Licensing Authority. The purpose of this rule is to explain the conditions under which a Person is subject to either a mandatory finding of suitability, a finding of suitability for reasonable cause, or qualified to obtain an exemption for a finding of suitability and to identify the information and documents that, at a minimum, must be submitted in connection with any Person's request for a finding of suitability.

Rule 235-1 – Suitability

- A. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Not Publicly Traded Corporations.
 - 1. Any Person intending to become a Controlling Beneficial Owner by submitting an initial application for any Regulated Marijuana Business that is not a Publicly Traded Corporation must first submit a request to the State Licensing Authority for a finding of suitability.
 - 2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
 - 3. Any Person that has not received a finding of suitability after November 1, 2019 and within the preceding 365 days who intends to become a Controlling Beneficial Owner by submitting a change of owner application for a Regulated Marijuana Business must submit a request to the State Licensing Authority for a finding of suitability contemporaneously with the change of owner application.
- B. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Publicly Traded Corporations.
 - 1. The following Persons must apply to the State Licensing Authority for a finding of suitability:
 - a. Any Person that becomes a Controlling Beneficial Owner of any Regulated Marijuana Business that is a Publicly Traded Corporation; and
 - b. Any Person that indirectly beneficially owns ten percent or more of the Regulated Marijuana Business that is a Publicly Traded Corporation through direct or indirect ownership of its Controlling Beneficial Owner. For example, assuming in the scenario depicted below, Licensee PTC Inc. has one-million shares of outstanding securities and CBO 1 owns 400,000 of those securities. John Doe

owns 30% of CBO 1. Therefore, John Doe indirectly owns 12% of the outstanding securities of Licensee PTC Inc., and must apply to the State Licensing Authority for a finding of suitability:



2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
3. Timing of Request for Finding of Suitability Involving Publicly Traded Corporation.
 - a. Unless exempted under Rule 235-1(E), all Persons that will be a Controlling Beneficial Owner in a Regulated Marijuana Business that is entering into a Publicly Traded Corporation transaction described in Rule 245-1(C)(1) must first obtain a finding of suitability before the transaction can close or the public offering can occur.
 - b. A Person who becomes a Controlling Beneficial Owner in a Regulated Marijuana Business that is a Publicly Traded Corporation must submit a request for a finding of suitability to the State Licensing Authority within 45 days of becoming a Controlling Beneficial Owner.
- C. Finding of Suitability for Reasonable Cause. For Reasonable Cause, any other Person that was disclosed or should have been disclosed pursuant to Articles 44-11-307.5(1) or (2) or 44-12-306.5(1) or (2) or that was required to be disclosed based on previous notification of Reasonable Cause must submit a request to the State Licensing Authority for a finding of suitability. Any Person required to submit a request for a finding of suitability pursuant to this Rule must submit such request within 45 days from notice of the State Licensing Authority's determination of Reasonable Cause for the finding of suitability.
- D. Information Required in Connection with a Request for a Finding of Suitability. When determining whether a Person is suitable or unsuitable for licensure, the State Licensing Authority may consider the Person's criminal character or record, licensing character or record, or financial character or record. To consider a Person's criminal character or record, licensing character or record, and financial character or record, all requests for a finding of suitability must, at a minimum, be accompanied by the following information:
 1. Criminal Character or Record:
 - a. A set of the natural person's fingerprints for purposes of a fingerprint-based criminal history record check.
 2. Licensing Character or Record:
 - a. Affirmation that the Person is not prohibited from holding a license under 44-11-307 or 44-12-306, C.R.S.

- b. A list of all Colorado Department of Revenue-issued business licenses held in the three years prior to submission of the request for a finding of suitability;
- b. A list of all Department of Regulatory Agencies business, professional or occupational licenses held in the three years prior to submission of the request for a finding of suitability;
- c. A list of any marijuana business or personal license(s) held in any other state or territory of the United States or District of Columbia or another country, where such license is or was at any time subject to a denial, suspension, revocation, surrender, or equivalent action by the licensing agency, commission, board, or similar authority; and
- d. Disclosure of any civil lawsuits in which the Person was named as a party where pleadings included allegations involving any Regulated Marijuana Business.

3. Financial Character or Record:

- a. Disclosure of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency other than the United States Securities and Exchange Commission;
- b. If the Person's request for a finding of suitability is for purposes of acquiring ten percent or more of the Owner's Interest in the Regulated Marijuana Business, copies of the Person's financial account statements for the preceding one-hundred eighty days for any accounts serving as a source of funding used to acquire the Owner's Interest in the Regulated Marijuana Business; or, if the Person is contributing one or more asset(s) to the Regulated Marijuana Business in exchange for the Owner's Interests, documents establishing the Person has owned such asset(s) for the preceding one-hundred eighty days.

E. Exemptions from a Finding of Suitability.

- 1. The following Persons are exempt from an otherwise required finding of suitability:
 - a. Any Person that currently possesses an approved license issued by the State Licensing Authority and such license has not, in the preceding 365 days, been subject to suspension or revocation; or
 - b. Any Person that obtained an approved finding of suitability after November 1, 2019, and within the preceding 365 days, and the Person submits an affirmation of the following: Since the prior finding of suitability, there has been no material change to information regarding the Person's criminal character or record, licensing character or record, or financial character or record.
- 2. Exemptions from an otherwise required finding of suitability are limited to those listed in this Rule. The State Licensing Authority will consider other factors that may inform amendments to this rule through the Department's formal rulemaking session.

F. Timing to Approve or Deny a Finding of Suitability. Absent Reasonable Cause, the State Licensing Authority must approve or deny a finding of suitability within 120 days from the date of submission of the request for such finding, where such request was accompanied by all information required under subsection (D) of this Rule.

Basis and Purpose – Rule 240-1

The statutory basis for this rule includes but is not limited to sections 44-11-104(23.5), 44-11-202(5)(a)(III), 44-11-307.5(3), 44-11-307.6(10), 44-12-103(20.5), 44-12-202(6)(a)(III), 44-12-306.5(3), and 44-12-306.6(10), C.R.S. The purpose of this rule is to clarify the factors the State Licensing Authority will consider when determining whether reasonable cause exists to require disclosure, to require a finding of suitability or to extend the 120 day deadline for granting or denying a request for a finding of suitability.

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

- A. Non-Exhaustive Factors Informing Reasonable Cause Consideration. The State Licensing Authority may consider the following non-exhaustive factors when evaluating whether Reasonable Cause exists for disclosure, requiring a reasonable cause finding of suitability or extension of time to provide a finding of suitability:
1. The Person provided materially inaccurate or incomplete documents to the Division;
 2. The Person failed to provide required documents to the Division;
 3. The request for a finding of suitability is sufficiently complex such that a determination cannot be completed within the 120 day deadline specified;
 4. Information that an undisclosed Person is controlling or has the ability to control the Regulated Marijuana Business;
 5. Information indicating one or more Persons prohibited holds an interest in the Regulated Marijuana Business;
 6. Inability to obtain documents or information expected to be available from third-parties or publicly available sources;
 7. The Person interfered with, obstructed, or impeded a Division investigation;
 8. The Person failed to make any filing required by a securities regulator or securities exchange that has regulatory oversight over the Person;

Basis and Purpose – Rule 245-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307, 44-11-307.5, 44-11-307.6, 44-11-309, 44-11-310(4), 44-11-202(6)(a), 44-11-306, 44-11-306.5, 44-11-306.6, 44-12-308, and 44-12-309, C.R.S. The purpose of this rule is define the application process and conditions an Applicant or Licensee must meet when changing Beneficial Ownership in a Regulated Marijuana Business.

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

- A. Application for Change of Controlling Beneficial Owner(s) – Not a Publicly Traded Corporation.
1. Unless excepted pursuant to subparagraph (B) of this Rule, a Regulated Marijuana Business that is not a Publicly Traded Corporation must obtain Division approval before it transfers the Owner's Interests of any Controlling Beneficial Owner(s).
 2. All applications for change of Controlling Beneficial Owner(s) must be executed by every Controlling Beneficial Owner whose Owner's Interests are proposed to change and any Person proposed to become a Controlling Beneficial Owner(s). Controlling Beneficial

Owners who's Owner's Interest will not change are not required to execute the change of owner application; however, at least one Controlling Beneficial Owner and all Persons proposed to become a Controlling Beneficial Owner must execute every change of owner application.

3. The State Licensing Authority will not approve a change of owner application until:
 - a. Local Approval Required. If local approval is required, the proposed Controlling Beneficial Owner(s) demonstrates to the State Licensing Authority that local approval has been obtained;
 - i. If a local licensing authority or local jurisdiction requires a change of owner application and that application is denied, the State Licensing Authority will deny the State change of owner application;
 - b. No Local Approval Required. If local approval is not required, the proposed Controlling Beneficial Owner(s) demonstrates that such approval is not required and notifies the State Licensing Authority of the date by which the change of owner will be completed, which must be within thirty days of the Division's notice that such change of owner application is ready to be approved.
4. If the change of owner application proposes one or more new Controlling Beneficial Owner(s), the proposed new Controlling Beneficial Owner(s) cannot operate the Regulated Marijuana Business identified in the change of owner application until the application is approved in writing by the Division. Controlling Beneficial Owners that have already been approved in connection with ownership of the Regulated Marijuana Business may continue to operate the Regulated Marijuana Business. A violation of this requirement is grounds for denial of the change of owner application, may be a violation affecting public safety, and may result in disciplinary action against the Applicant's existing license(s).
5. If a Regulated Marijuana Business or any of its Controlling Beneficial Owner(s) apply for a change of owner and is involved in an administrative investigation or administrative action, the following may apply:
 - a. The change of owner application may be delayed or denied until the administrative action is resolved; or
 - b. If the change of owner application is approved by the Division, the transferor, the transferee, or both of them may be responsible for the actions of the Regulated Marijuana Business and its prior Controlling Beneficial Owners, and subject to discipline based upon the same.
6. Documents Required. Any change of owner application regarding a Controlling Beneficial Owner of a Regulated Marijuana Business that does not involve a Publicly Traded Corporation must include the following documents:
 - a. Asset purchase agreement, merger, sales contract, agreement, or any other document necessary to effectuate the change of owner;
 - b. Request for a finding of suitability for each proposed Controlling Beneficial Owner(s);
 - c. Operating agreement, by-laws, partnership agreement or other governing document as will apply to the Regulated Marijuana Business if the change of owner application is approved;

- d. Request for voluntary surrender form for the Owner License of any Controlling Beneficial Owner that will not remain a Controlling Beneficial Owner, or Passive Beneficial Owner electing to hold an Owner License in a Regulated Marijuana Business if the change of owner application is approved;
 - e. Copy of current Medical or Retail Marijuana State Sales Tax or Wholesale license and any other documents necessary to verify tax compliance; and
 - f. Owner License application(s) for any proposed Controlling Beneficial Owner that does not already hold a valid Owner License.
7. Licensee Initiates Change of Owner for Permitted Economic Interests Issued Prior to January 1, 2020. All natural persons holding a Permitted Economic Interest who seek to become a Controlling Beneficial Owner are subject to this Rule. The Regulated Marijuana Business must initiate the change of owner process for a natural person holding a Permitted Economic Interest who seeks to convert its interest and become a Controlling Beneficial Owner in a Regulated Marijuana Business. Prior to submitting a change of owner application, the Permitted Economic Interest holder must obtain a finding of suitability pursuant to Rule 235-1 including any required criminal history record check. Permitted Economic Interest holders who fail to obtain a finding of suitability to become a Controlling Beneficial Owner may remain as a Permitted Economic Interest holder.
8. Medical Marijuana Transporters and Retail Marijuana Transporters Not Eligible for Change of Owner. Medical Marijuana Transporters and Retail Marijuana Transporters are not eligible to transfer the entire Beneficial Ownership of their Regulated Marijuana Business.

B. Exemptions to the Change of Owner Application Requirement.

1. Entity Conversions. A Regulated Marijuana Business or a Controlling Beneficial Owner may combine with, convert including but not limited to under sections 7-90-201 et seq., C.R.S., or engage in a transaction in which all of its assets are transferred or sold for the exclusive purpose of changing its Entity jurisdiction in one of the states or territories of the United States or the District of Columbia or its Entity type without filing a change of owner application if the Controlling Beneficial Owners and their Owner's Interests will remain the same after the combination, conversion or sale. Within 14 days of the combination, conversion, or sale the Regulated Marijuana Business must submit a written notification to the Division including:
- a. A copy of any transaction documents,
 - b. Documents submitted to the Colorado Secretary of State,
 - c. Any document submitted to the secretary of state or similar regulator if the Entity is organized under the laws of a state of the United States other than Colorado, territory of the United States or the District of Columbia,
 - d. Identification of the Regulated Marijuana Business's or Controlling Beneficial Owner's registered agent,
 - e. Identification of any Passive Beneficial Owner and Indirect Financial Interest Holder for which disclosure is required by Rule 230-1.
2. Reallocation of Owner's Interests Among Controlling Beneficial Owners. A Regulated Marijuana Business may reallocate Owner's Interests among existing Controlling Beneficial Owners holding valid Owner Licenses if it provides notification of the reallocation to the Division with its next renewal application as long as the Controlling Beneficial Owners remain unchanged.

- C. Change of Owner Involving a Publicly Traded Corporation. This Rule applies to transactions involving any Publicly Traded Corporation.
1. Publicly Traded Corporation Transactions. A Regulated Marijuana Business may transact with a Publicly Traded Corporation in the following ways:
 - a. Merger with a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to receive, directly or indirectly, an investment from, or intends to merge or consolidate with a Publicly Traded Corporation, whether by way of merger, combination, exchange, consolidation, reorganization, sale of assets or otherwise, including but not limited to any shell company merger.
 - b. Investment by a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to transfer, directly or indirectly, ten percent or more of the Securities in the Regulated Marijuana Business to a Publicly Traded Corporation, whether by sale or other transfer of outstanding Securities, issuance of new Securities, or otherwise.
 - c. Public Offering. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to become, directly or indirectly, a Publicly Traded Corporation, whether by effecting a primary or secondary offering of its Securities, uplisting of outstanding Securities, or otherwise.
 2. Required Finding(s) of Suitability.
 - a. Pre-Transaction Findings of Suitability Required. Any Person intending to become a Controlling Beneficial Owner in a Regulated Marijuana Business in connection with any transaction identified in subparagraph (C)(1)(a) through (c) above, must obtain a finding of suitability prior to the Publicly Traded Corporation transaction closing or becoming effective.
 - b. Ongoing Suitability Requirements. Any Person who becomes a Controlling Beneficial Owner of a Publicly Traded Corporation that is a Regulated Marijuana Business must apply to the State Licensing Authority for a finding of suitability or an exemption from a finding of a suitability pursuant to Rule 235-1 within forty-five days of becoming a Controlling Beneficial Owner. A Publicly Traded Corporation that is a Regulated Marijuana Business must notify any Person that becomes a Controlling Beneficial Owner of the suitability requirements as soon as the Regulated Marijuana Business becomes aware of the ownership subjecting the Person to this requirement; however, the Controlling Beneficial Owner's obligation to timely request the required finding of suitability is independent of, and unaffected by, the Regulated Marijuana Business's failure to make the notification.
 3. Mandatory Disclosure of Required, United States Securities and Exchange Commission, Canadian Securities Administrators and/or Securities Exchange Filings. A Regulated Marijuana Business and any Controlling Beneficial Owner that is required to file any document with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other similar securities regulator or any securities exchange regarding any change of owner in subparagraphs (C)(1)(a) through (c) above must also provide a notice to the Division at the same time as the filing with the United States Securities and Exchange Commission, the Canadian Securities Administrators or the securities exchange.
 4. Ordinary Broker Transactions. Resales or transfers of Securities of a Publicly Traded Corporation that is a Regulated Marijuana Business or Controlling Beneficial Owner or Passive Beneficial Owner in ordinary broker transactions through an established trading

market do not require a change of owner application or prior approval from the State Licensing Authority.

- D. Change of Passive Beneficial Owner. Persons are not required to submit an application or obtain prior approval of their ownership if: (1) the Person will remain a Passive Beneficial Owner after the acquisition of Owner's Interests is complete, and (2) disclosure is not otherwise required by sections 44-11-307.5 or 44-12-306.5, C.R.S., or Rule 230-1.
- E. Controlling Beneficial Owner Dispute.
1. In the event of a dispute between Controlling Beneficial Owner(s) not involving divestiture under Rule 275-1 and precluding or otherwise impeding the ability to comply with these Rules, a Regulated Marijuana Business that is not a Publicly Traded Corporation must either submit a change of owner application or initiate mediation, arbitration or a judicial proceeding within 90 days of the dispute. The 90 day period may be extended for an additional 90 days upon a showing of good cause by the Regulated Marijuana Business.
 2. A Regulated Marijuana Business that is not a Publicly Traded Corporation must submit a change of owner application within forty-five days of entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. Any change of owner application based on a final court order, final arbitration award, or fully executed settlement agreement must include a copy of the order or settlement agreement and remains subject to approval by the Division. In this circumstance, the change of owner application needs to be executed by at least one remaining Controlling Beneficial Owner.
 3. If mediation, arbitration or a judicial proceeding is not timely initiated or a change of owner application is not timely submitted following entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business that is not a Publicly Traded Corporation, the Regulated Marijuana Business and its Owner Licensee(s) may be subject to fine, suspension or revocation of their license(s).

Basis and Purpose – Rule 250-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.5(6), 44-12-202(6)(a), and 44-11-306.5(6), C.R.S. The purpose of this rule is to require notification to the State Licensing Authority of any filing with a securities regulator by an Applicant or Licensee.

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

- A. A Regulated Marijuana Business that is a Publicly Traded Corporation must provide notice on Division forms within two business days of any non-confidential filing with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other securities regulator, or any security exchange on which the Securities are listed or traded. The notice must identify the title of the document and include a hyperlink to the website where the document is publicly available (example EDGAR or SEDAR link for the Publicly Traded Corporation).
- B. In addition to any other administrative or investigative requests or inquiries, the Division may contact a Regulated Marijuana Business that is a Publicly Traded Corporation to obtain clarification of a securities filing.
- C. This rule is currently limited to require notice of securities filings that are not confidential. However, this rule may be evaluated during subsequent rulemaking proceedings and/or in connection with development of a policy regarding confidential securities filings.

Basis and Purpose – Rule 255-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(I), 44-12-309(6), 44-12-309(12) and 44-12-303, C.R.S. The purpose of this rule is to clarify the application process for changing location of a Licensed Premises.

Rule 255–1 – Change of Location of a Regulated Marijuana Business

- A. Application Required Before Changing Location of Licensed Premises. A Regulated Marijuana Business must apply for and receive Division approval before changing the location of its Licensed Premises.
- B. Application Requirements. A change of location application must include:
 - 1. At least one signature of a Controlling Beneficial Owner and representation that the signing Controlling Beneficial Owner(s) is/are authorized to submit the application on behalf of the Regulated Marijuana Business.
 - 2. Evidence the local licensing authority and/or the local jurisdiction in which the Regulated Marijuana Business proposes to move have approved the proposed new location.
 - 3. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Licensee is, or will be, entitled to possession of the premises for which the application is made.
 - 4. Legible and accurate floor plans for the proposed Licensed that complies with the requirements of the M/R 300 Series of these Rules. The floor plans must include a plan for the proposed Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide the diagram in a portable document format (.pdf).
- C. Change of Location Permit Required.
 - 1. A Regulated Marijuana Business cannot change the location of its Licensed Premises until it receives a change of location permit from the Division.
 - 2. The permit is effective on the date of issuance, and the Licensee must, within 120 days, change the location of its Regulated Marijuana Business to the place specified in the change of location permit and at the same time cease to operate a Regulated Marijuana Business at the former location. For good cause shown, the 120 day deadline may be extended for an additional 120 days.
 - 3. A Regulated Marijuana Business cannot operate or exercise any of the privileges of its license(s) in both locations.
 - 4. If the Regulated Marijuana Business does not change the location of its Licensed Premises within the time period granted by the Division, including any extension, the Regulated Marijuana Business must submit a new application, pay the change of location fee, and receive a new change of location permit prior to changing the location of its Licensed Premises.
- D. Violation Affecting Public Safety. It is a violation affecting public safety if a Regulated Marijuana Business changes the location of its Licensed Premises without first obtaining a change of location permit from the Division, and any required approval(s) from the local licensing authority and/or local jurisdiction.

Basis and Purpose – Rule 260-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(VII), 44-11-202(2)(a)(X), 44-11-202(2)(a)(XVII), 44-11-307(2), 44-11-306, 44-11-310(6), 44-11-401, 24-76.5-101 *et seq.*, 44-11-601(1), 44-12-202(2)(b), 44-12-202(3)(a), 44-12-202(3)(c)(IV)-(V), 44-12-305, 44-12-306(2), 44-12-305, 44-12-309(6), 44-12-401, 44-12-601(1), C.R.S. Historically, natural persons who held an Owner's Interest in a Regulated Marijuana Business were required to hold an Associated Key License. This Rule transitions the Associated Key designation to an Owner License designation after August 1, 2019. The purpose of this rule is to clarify the requirements and procedures a Person must follow when applying for or possessing either an Owner License or an Employee License. This rule also identifies factors the State Licensing Authority will consider in determining whether a natural person is a resident and whether such person possess good moral character.

Rule 260–1 –Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Associated Key Licenses remain valid until the first renewal following August 1, 2019, after which such licenses will be renewed as an Owner License.

A. Owner Licenses Required.

1. Each Controlling Beneficial Owner must hold a valid Owner License.
2. If a Controlling Beneficial Owner is an Entity, then its Executive Officer(s) and any Person who indirectly holds ten percent or more of the Owner's Interests in the Regulated Marijuana Business must also hold a valid Owner License.
3. A Passive Beneficial Owner who is a natural person may elect to hold an Owner License and obtain an Owner Identification Badge provided that such Person agrees to be disclosed as holding an Owner's Interest in the Regulated Marijuana Business.

B. Owner License and Identification Badge or Employee License and Identification Badge Required. The following natural persons must possess a valid Owner License and Identification Badge or an Employee License and Identification Badge:

1. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products as permitted by privileges of a Regulated Marijuana Business license;
2. Any person who has access to the Inventory Tracking System or a Regulated Marijuana Business point of sale system; and
3. Any person with unescorted access in the Restricted Access Area or Limited Access Area.

C. Visitor Escort Required. Any natural person in a Restricted Access Area or Limited Access Area that does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge is a visitor and must be escorted at all times by a person who holds a valid Owner License and Identification Badge or Employee License and Identification Badge. Failure by a Regulated Marijuana Business to continuously escort a person who does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge in the Limited Access Area is a license violation affecting public safety. Customers in a Restricted Access Area and third-party vendors in a Limited Access Area do not need to be escorted at all times, but must be reasonably monitored.

- D. Employee License Required to Commence or Continue Employment. Any person required to obtain an Employee License by these rules must obtain such a license before commencing activities permitted by his or her Employee License.
- E. Owner and Employee License Identification Badges Are Property of State Licensing Authority. All Owner and Employee License Identification Badges are property of the State Licensing Authority.
- F. Owner and Employee Initial and Renewal Applications Required. Owner and Employee Licensees must submit initial and renewal applications on Division forms and in accordance with this Rule and Rules 215-1, 220-1 and 225-1.
- G. Owner License Qualifications and Privileges.
1. Owner License Qualifications. Each Controlling Beneficial Owner, or Passive Beneficial Owner who elects to be subject to disclosure and licensure, must meet the following criteria before receiving an Owner License:
 - a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application;
 - c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Each Controlling Beneficial Owner required to hold an Owner License, and any Passive Beneficial Owner that elects to hold an Owner License, must be fingerprinted at least once every two years, and may be fingerprinted more often at the Division's discretion.
 - e. An Owner Licensee who exercises day-to-day operational control over the Licensed Premise of a Regulated Marijuana Business must possess an Identification Badge and must establish and maintain Colorado residency.
 2. Owner License Exercising Privileges of an Employee License. A person who is a Colorado resident and who holds an Owner License and Owner Identification Badge may exercise the privileges of an Employee License in any Regulated Marijuana Business.
- H. Employee Licensee Qualifications, and Privileges.
1. Employee License Qualifications Requirements. An Employee License Applicant must meet the following criteria before receiving an Employee License:
 - a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.

- c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to section 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Employee Licensees working in a Regulated Marijuana Business must be Colorado Residents at the time of initial application and must maintain residency during the period of licensure, unless they are applying for a workforce training or development residency exempt license.
- 2. Medical and Retail Employee Licenses. A person who holds a current, valid Employee License and Identification Badge issued pursuant to the Medical Code or the Retail Code may work in a Regulated Marijuana Business.
- 3. Workforce Training or Development Residency Exempt License. An Applicant who wishes to obtain a workforce development or training exemption to the license residency requirement may apply for an Employee License and must:
 - a. Submit a complete application on the Division's approved forms;
 - b. Establish she or he meets the licensing criteria of this Rule 260-1(H)(1)(a)-(c)
 - c. Provide evidence of proof of lawful presence; and
 - d. Provide a complete Workforce Training or Development Affirmation form executed under penalty of perjury.
- I. Owner and Employee Licensees Required to Maintain Licensing Qualification. An Owner Licensee or Employee Licensee's failure to maintain qualifications for licensure may constitute grounds for discipline, including but not limited to suspension, revocation, or fine.
- J. Factors Considered when Determining Residency and Citizenship. This Rule applies to persons who are required to have and maintain Colorado residency. In determining whether a person is a Colorado resident, the State Licensing Authority will consider the following factors:
 - 1. Primary Home Defined. The location of an Applicant's principal or primary home or place of abode ("primary home") may establish Colorado residency. An Applicant's primary home is that home or place in which a person's habitation is fixed and to which the person, whenever absent, has the present intention of returning after a departure or absence therefrom, regardless of the duration of such absence. A primary home is a permanent building or part of a building and may include, by way of example, a house, condominium, apartment, room in a house, or manufactured housing. No rental property, vacant lot, vacant house or cabin, or other premises used solely for business purposes will be considered a primary home.
 - 2. Reliable Indicators That an Applicant's Primary Home is in Colorado. The State Licensing Authority considers the following types of evidence to be generally reliable indicators that a person's primary home is in Colorado.
 - a. Evidence of business pursuits, place of employment, income sources, residence for income or other tax purposes, residence of spouse and any minor children, leaseholds, situs of personal and real property, existence of any other residences outside Colorado and the amount of time spent at each such residence, and any motor vehicle or vessel registration;

- b. Duly authenticated copies of the following documents may be taken into account: A current driver's license with address, recent property tax receipts, copies of recent income tax returns where a Colorado mailing address is listed as the primary address, current voter registration cards, current motor vehicle or vessel registrations, and other public records evidencing place of abode or employment; and
 - c. Other types of reliable evidence.
- 3. Totality of the Evidence. The State Licensing Authority will review the totality of the evidence, and any single piece of evidence regarding the location of a person's primary home is not necessarily determinative.
- 4. Other Considerations for Residency. The State Licensing Authority may consider the following circumstances:
 - a. Members of the armed services of the United States or any nation allied with the United States who are on active duty in this state under permanent orders and their spouses;
 - b. Personnel in the diplomatic service of any nation recognized by the United States who are assigned to duty in Colorado and their spouses; and
 - c. Full-time students who are enrolled in any accredited trade school, college, or university in Colorado. The temporary absence of such student from Colorado, while the student is still enrolled at any such trade school, college, or university, will not be deemed to terminate their Colorado residency. A student will be deemed "full-time" if considered full-time pursuant to the rules or policy of the educational institution he or she is attending.
- 5. Entering Armed Forces Does Not Terminate Residency. A person who is a Colorado resident pursuant to this rule does not terminate Colorado residency upon entering the armed services of the United States. A member of the armed services on active duty who resided in Colorado at the time the person entered military service and the person's spouse are presumed to retain their status as residents of Colorado throughout the member's active duty in the service, regardless of where stationed or for how long.

K. Evaluating a Natural Person's Good Moral Character Based on Criminal History

- 1. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division will not consider the following:
 - a. The mere fact a person's criminal history contains an arrest(s) or charge(s) of a criminal offense that is not actively pending;
 - b. A conviction of a criminal offense in which the Application/Licensee received a pardon;
 - c. A conviction of a criminal offense which resulted in the sealing or expungement of the record; or
 - d. A conviction of a criminal offense in which a court issued an order of collateral relief specific to the application for state licensure.

2. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division may consider the following history:
 - a. Any felony conviction(s);
 - b. Any conviction(s) of crimes involving moral turpitude;
 - c. Pertinent circumstances connected with the conviction(s); and
 - d. Conduct underlying arrest(s) or charge(s) or a criminal offense for which the criminal case is not actively pending.
3. When considering criminal history in subparagraph (K)(2) above, the Division will consider:
 - a. Whether there is a direct relationship between the conviction(s) and the duties and responsibilities of holding a state license issued pursuant to the Medical Code or the Retail Code;
 - b. Any information provided to the Division regarding the person's rehabilitation, which may include but is not limited to the following non-exhaustive considerations:
 - i. Character references;
 - ii. Educational, vocational, and community achievements, especially those achievements occurring during the time between the person's most recent criminal conviction and the application for a state license;
 - iii. Successful participation in an alcohol or drug treatment program;
 - iv. That the person truthfully and fully reported the criminal conduct to the Division;
 - v. The person's employment history after conviction or release, including but not limited to whether the person was vetted and approved to hold a state or out-of-state license for the purposes of employment in a regulated industry;
 - vi. The person's successful compliance with any conditions of parole or probation imposed after conviction or release; or
 - vii. Any other facts or circumstances tending to show the Applicant has been rehabilitated and is ready to accept the responsibilities of a law-abiding and productive member of society.

Basis and Purpose – Rule 265-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(3)(a)(XVI), 44-12-202(3)(a)(XVII), 44-12-304, 24-4-104, and 24-4-105, C.R.S. The purpose of this rule is to clarify the procedures and factors governing the denial process and voluntary withdrawal process for all licenses issued by the State Licensing Authority.

Rule 265–1 – Application Denial/Voluntary Withdrawal

- A. Applicant Bears Burden of Proving It Meets Licensure Requirements. A license, registration, or permit issued to a Person or a Regulated Marijuana Business is a revocable privilege. At all times during the application process, an Applicant must be capable of establishing it is qualified to hold a license.
- B. Applicants must provide information to the Division in a full, faithful, truthful, and fair manner. An application may be denied where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application or in connection with the Applicant's suitability investigation. Providing misstatements, misrepresentations, omissions or untruths to the Division may be the basis for administrative action, or the basis of criminal charges against the Applicant.
- C. Grounds for Denial
1. The State Licensing Authority will deny an application for Good Cause.
 2. The State Licensing Authority will deny an application from an Applicant that is statutorily disqualified from holding a license.
 3. The State Licensing Authority will deny an application where the Applicant failed to provide all required information or documents, failed to obtain all required findings of suitability prior to submitting the application, provided inaccurate, incomplete, or untruthful information or documents, or failed to cooperate with the Division.
- D. Voluntary Withdrawal of Application
1. The Division and Applicant may mutually agree to allow the voluntary withdrawal of an application in lieu of a denial proceeding.
 2. Applicants must first submit a form to the Division requesting the voluntary withdrawal of the application. Applicants will submit the form with the understanding that they were not obligated to request the voluntary withdrawal and that any right to a hearing in the matter is waived once the voluntary withdrawal is approved.
 3. The Division will consider the request along with any circumstances at issue with the application in making a decision to accept the voluntary withdrawal. The Division may at its discretion grant the request with or without prejudice or deny the request.
 4. The Division will notify the Applicant of its acceptance of the voluntary withdrawal and the terms thereof.
 5. If the Applicant agrees to a voluntary withdrawal granted with prejudice, then the Applicant is not eligible to apply again for licensing or approval until after expiration of one year from the date of such voluntary withdrawal.
- E. A Denied Applicant May Appeal a Denial. A Denied Applicant may appeal a denial pursuant to the Administrative Procedure Act.

Basis and Purpose – Rule 270-1

The statutory basis for this rule includes but is not limited to sections 44-11-202, 44-11-401(1.5), 44-12-202, and 44-12-401(1.5), C.R.S. The purpose of this rule is to establish procedures and requirements for any Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person acting in accordance with section 44-11-401(1.5), and 44-12-401(1.5), C.R.S., and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

Rule 270–1 – Temporary Appointee Registrations for Court Appointees

A. Notice and Application Requirements for All Court Appointees:

1. Notice to the State and Local Licensing Authorities. Within seven days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), C.R.S., such Court Appointee must file a notice to the State Licensing Authority and the applicable local licensing authority on a form required by the State Licensing Authority which must include at least:
 - a. A copy of the order appointing the Court Appointee;
 - b. A statement affirming the Court Appointee complied with the certification required by sections 44-11-401(1.5)(a), and/or 44-12-401(1.5)(a), C.R.S.;
 - c. If the Court Appointee is an entity, a list of all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business; and
 - d. A complete list of all Regulated Marijuana Businesses for which the Court Appointee was appointed and the respective dates during which the Court Appointee is currently serving, or has previously served, as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person.
2. Application for Finding of Suitability. Within 14 days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), and/or 44-12-401(1.5), C.R.S., each Court Appointee must file an application for a finding of suitability with the State Licensing Authority on forms required by the State Licensing Authority. Each entity and natural person for whom a notice was filed pursuant to Rule 270-1(A) must file an application for a finding of suitability. The Division may in its discretion extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.
3. Effective date. The Temporary Appointee Registration will issue following the State Licensing Authority's receipt of the notice required by Rule 270-1(A)(1), and is effective as of the date of the court appointment.

B. Temporary Appointee Registration.

1. Entities. If the Court Appointee is an entity, the entity and all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business must receive a Temporary Appointee Registration. Every Court Appointee that

is an entity must have at least one natural person with a Temporary Appointee Registration.

2. Temporary Appointee Registrations. Every Temporary Appointee Registration issued to a Person will be treated as an Owner License except where inconsistent with sections 44-11-401(1.5), C.R.S., and/or 44-12-401(1.5), or this Rule.
3. Other employees. Any other person working under the direction of a Court Appointee who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, researches, or delivers Regulated Marijuana as permitted by privileges granted under a Regulated Marijuana Business license must have a valid Employee License.
4. Licensed Premises. A Court Appointee cannot establish an independent Licensed Premises, but is authorized to exercise the privileges of the Temporary Appointee Registration in the Licensed Premises of the Regulated Marijuana Business for which it is appointed.
5. Medical Marijuana Business Operators or Retail Marijuana Business Operators. A Court Appointee may retain a Medical Marijuana Business Operator or a Retail Marijuana Business Operator. If the Medical Marijuana Business Operator or Retail Marijuana Business Operator is the Court Appointee, see subparagraph E of this Rule.
6. Medical Code, Retail Code and Rules Applicable. Court Appointees are subject to the requirements of the Medical Code, the Retail Code and the rules promulgated thereto. Except where inconsistent with sections 44-11-401(1.5), or 44-12-401(1.5), C.R.S., or this Rule, the State Licensing Authority may take any action with respect to a Temporary Appointee Registration that it could take with respect to any license issued under the Medical Code and/or the Retail Code. In any action involving a Temporary Appointee Registration, these rules will be read to include the terms “registered”, “registration”, “registrant”, or any other similar terms in lieu of “licensed”, “licensee”, and any other similar terms as the context requires when applied to a Temporary Appointee Registration.

C. Administrative Actions.

1. Suspension, revocation, fine, or other administrative action regarding a Regulated Marijuana Business. In addition to any other basis for suspension, revocation, fine or other administrative action, a Regulated Marijuana Business's license may, pursuant to subsections 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon its Court Appointee's violations of the Medical Code, the Retail Code, the rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect.
2. Suspension, revocation, fine, or other administrative action regarding a Temporary Appointee Registration. In addition to any other basis for suspension, revocation, fine, or other administrative action, a Temporary Appointee Registration may, pursuant to section 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon the Court Appointee's violations of the Medical Code, the Retail Code, the Rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State

Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect. If a Person holding a Temporary Appointee Registration also holds any other Owner License or Employee License, the Owner License, the Employee License, and the Temporary Appointee Registration may be suspended, revoked or subject to other administrative action for any violations of the Medical Code, the Retail Code, the rules promulgated pursuant to the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration, Owner License and/or Employee License issued by the State Licensing Authority, or any order of the State Licensing Authority.

3. Suitability. If the State Licensing Authority denies an application for a finding of suitability because the Court Appointee failed to timely apply for a finding of suitability, failed to timely provide all information requested by the Division in connection with an application for a finding of suitability, or was found unsuitable, the State Licensing Authority may also pursue administrative action as set forth in this Rule.
4. Court Appointee's Responsibility to Notify Appointing Court. The Court Appointee must notify the appointing court of any action taken against the Temporary Appointee Registration by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601, or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Court Appointee must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

D. Expiration and Renewal.

1. Conclusion of Court Appointment. A Court Appointee's Temporary Appointee Registration expires upon the conclusion of a Court Appointee's court appointment. Each Court Appointee and each Regulated Marijuana Business that has a Court Appointee must notify the State Licensing Authority within two business days of the date on which a Court Appointee's court appointment ends, whether due to termination of the appointment by the court, substitution of another Court Appointee, closure of the court case, or otherwise. For a Court Appointee that is appointed in connection with multiple court cases, the notice must be filed with the State Licensing Authority with respect to each such case.
2. Annual Renewal. If it has not yet expired pursuant to Rule 270-1(D)(1), each Temporary Appointee Registration is valid for one year, after which it must be subject to annual renewal in accordance with the Medical Code, the Retail Code, and the rules promulgated pursuant to the Medical Code and/or the Retail Code. If a Court Appointee is appointed in connection with multiple court cases, the Temporary Appointee Registration is subject to annual renewal unless all such appointments have ended, whether due to termination of the appointments by the courts, substitution of other Court Appointees, closure of the court cases, or otherwise.
3. Other Termination. A Temporary Appointee Registration may be valid for less than the applicable term if surrendered, revoked, suspended, or subject to similar action.

E. Medical Marijuana Business Operators and/or Retail Marijuana Business Operators as Court Appointees. By virtue of its privileges of licensure, a Medical Marijuana Business Operator, a Retail Marijuana Business Operator, and their respective Owner Licensees may serve as Court Appointees without a Temporary Appointee Registration subject to the following terms:

1. Notice to the State Licensing Authority of Appointment. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) are responsible for notifying the State Licensing Authority within seven days of any court appointment to serve as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person and take possession of, operate, manage, or control a Regulated Marijuana Business. Such notice must be accompanied by a copy of the order making the appointment, and must identify each Regulated Marijuana Business regarding which the Medical Marijuana Business Operator and/or Retail Marijuana Business Operator is appointed.
2. Notice to the Appointing Court of State Licensing Authority Action. The Medical Marijuana Business Operator, the Retail Marijuana Business and its Owner Licensee(s) are responsible for notifying the appointing court of any action taken against the Medical Marijuana Business Operator license, the Retail Marijuana Business Operator license and/or the Owner License by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

Basis and Purpose – Rule 275-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a)(IV), 44-11-307.6(5), 44-11-307.5(11), 44-11-310(8)(a), 44-11-601, 44-12-202(6)(a)(IV), 44-11-306.6(5), 44-11-306.6(11), 44-12-309(7)(a), and 44-12-601 C.R.S. The purpose of this rule is to clarify the conditions and procedures for divestiture of any Person prohibited from holding a license under sections 44-11-306 and 44-12-305, C.R.S., or who is found unsuitable by the State Licensing Authority. This rule also requires that every Regulated Marijuana Business have at least one Controlling Beneficial Owner and provides what happens in the event of suspension of a Regulated Marijuana Business's Controlling Beneficial Owner(s). Finally, this rule provides that Licensees cannot have unlicensed persons take actions on their behalf or for their benefit that the Licensees themselves are prohibited from taking under these rules, the Medical Code or the Retail Code.

Rule 275–1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

A. Controlling Beneficial Owners that are Persons Prohibited, Unsuitable or Revoked.

1. Less than 100% of all Controlling Beneficial Owners – Divestiture. If less than 100% of a Regulated Marijuana Business's Controlling Beneficial Owners are or become a Person prohibited by these Rules, the Medical Code or the Retail Code, have his or her Owner License revoked by a Final Agency Order, or are found unsuitable, the Regulated Marijuana Business must divest all of the Beneficial Ownership of that Controlling Beneficial Owner.
 - a. Unless extended for good cause, within 90 days of a Controlling Beneficial Owner becoming a Person prohibited, having his or her Owner License revoked, or being found unsuitable, the Regulated Marijuana Business must either:
 - i. Submit a change of owner application, where required, and any document(s) necessary to transfer all of that Controlling Beneficial Owner's Owner's Interests to one or more Persons that are not

prohibited or unsuitable. Any required change of owner application is subject to approval by the Division; or

- ii. Where a change of owner application is not required, transfer all of that Controlling Beneficial Owner's(s) Owner's Interests to one or more Persons that are not a Person prohibited or unsuitable.
 - b. In determining whether good cause for an extension exists, the Division will consider whether there is any Owner Interest buy-back provision with the Controlling Beneficial Owner. If mediation, arbitration or a legal proceeding has been initiated regarding the required divestiture, the 90 day deadline is extended until 90 days following execution of a settlement agreement, arbitration order or final judgment concluding the mediation, arbitration or legal proceeding.
 - c. A Regulated Marijuana Business that is a Publicly Traded Corporation must have a divestiture plan with its Controlling Beneficial Owners which must be disclosed to the Division pursuant to Rule 220-1(A).
 - d. A Regulated Marijuana Business that fails to divest a Controlling Beneficial Owner as required by this Rule may be subject to denial, fine, suspension or revocation of its license(s). The State Licensing Authority may consider aggravating and mitigating factors surrounding measures taken to divest the unsuitable or prohibited person when determining the imposition of a penalty. However, a Regulated Marijuana Business that is unable to divest a Controlling Beneficial Owner that is a person prohibited or found unsuitable is prohibited from being issued or holding a license.
2. All Controlling Beneficial Owners are Unsuitable, Revoked or Persons Prohibited. A Regulated Marijuana Business's License may be revoked if 100% of its Controlling Beneficial Owners are found unsuitable, have his or her Owner's License revoked or are Persons prohibited by these Rules, the Medical Code or the Retail Code.
- B. Suspension of Controlling Beneficial Owners.
- 1. Suspension of Less than 100% of the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. In the event of the suspension of the Owner License of a Controlling Beneficial Owner, either (i) the Regulated Marijuana Business must comply with all requirements of Rule M/R 1302 – Disciplinary Process: Summary Suspensions, or (ii) the non-suspended Owner Licensee(s) must control the Regulated Marijuana Business without participation from the suspended Controlling Beneficial Owner(s).
 - 2. Suspension of 100% of the Controlling Beneficial Owners of a Regulated Marijuana Business. A Regulated Marijuana Business cannot operate or Transfer Regulated Marijuana if all Controlling Beneficial Owners are suspended.
- C. At Least One Controlling Beneficial Owner Holding a Valid Owner License Required. No Regulated Marijuana Business may operate or be licensed unless it has at least one Controlling Beneficial Owner who holds a valid Owner License.
- D. Loss Of Owner License As A Controlling Beneficial Owner Of Multiple Businesses. If an Owner License is suspended, revoked, or found unsuitable as to one Regulated Marijuana Business, that Owner License is automatically suspended, revoked, or found unsuitable as to any other Regulated Marijuana Business in which that Person is a Controlling Beneficial Owner.
- E. Prohibited Third-Party Acts. No Licensee may employ, contract with, hire, or otherwise retain any Person, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit if the Licensee is prohibited by law or these rules from engaging in such conduct itself.

1. A Licensee may be held responsible for all actions and omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.
2. A Licensee may be subject to license denial or administrative action, including but not limited to fine, suspension, or revocation of its license(s), based on the act and/or omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.



**Colorado Department of Revenue
Marijuana Enforcement Division
Emergency Rule Adoption**

Revised and Repealed Medical Marijuana Rules, 1 CCR 212-1

M 100 Series – General Applicability

Rule M 103 – Definitions (**Revised**)

M 200 Series Rules – Licensing and Interests (Entire Series Repealed)

New Medical Marijuana Rules, 1 CCR 212-1

Rule 200-1 Series – Applications and Licenses (New Rule Series)

Rule 201-1 – Applicability

Rule 205-1 – Fees

Rule 210-1 – Duties of All Applicants and Licensees

Rule 215-1 – All Application Requirements

Rule 220-1 – Initial Application Requirements for Regulated Marijuana Businesses

Rule 225-1 – Renewal Application Requirements for All Licensees

Rule 230-1 – Disclosure of Financial Interests in a Regulated Marijuana Business

Rule 235-1 – Suitability

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

Rule 255-1 – Change of Location of a Regulated Marijuana Business

Rule 260-1 – Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Rule 265-1 – Application Denial/Voluntary Withdrawal

Rule 270-1 – Temporary Appointee Registrations for Court Appointees

Rule 275-1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

Revised and Repealed Retail Marijuana Rules, 1 CCR 212-2

R 100 Series – General Applicability

Rule R 103 – Definitions (**Revised**)

R 200 Series Rules – Licensing and Interests (Entire Series Repealed)

New Retail Marijuana Rules, 1 CCR 212-2

Rule 200-1 Series – Applications and Licenses (New Rule Series)

Rule 201-1 – Applicability

Rule 205-1 – Fees

Rule 210-1 – Duties of All Applicants and Licensees

Rule 215-1 – All Application Requirements

Rule 220-1 – Initial Application Requirements for Regulated Marijuana Businesses

Rule 225-1 – Renewal Application Requirements for All Licensees

Rule 230-1 – Disclosure of Financial Interests in a Regulated Marijuana Business

Rule 235-1 – Suitability

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

Rule 245-1 – Change of Controlling Beneficial Owner Application or Notification

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

Rule 255-1 – Change of Location of a Regulated Marijuana Business

Rule 260-1 – Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Rule 265-1 – Application Denial/Voluntary Withdrawal

Rule 270-1 – Temporary Appointee Registrations for Court Appointees

Rule 275-1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

Statement of Emergency Justification and Adoption

Pursuant to sections 24-4-103, 44-11-202, and 44-12-202, C.R.S., I, Lu Córdova, Executive Director of the Department of Revenue and State Licensing Authority, hereby adopt the aforementioned Medical Marijuana and Retail Marijuana Rules, which are attached hereto.

Section 24-4-103(6), C.R.S., authorizes the State Licensing Authority to issue an emergency rule if the State Licensing Authority finds that the immediate adoption of the rule is imperatively necessary to comply with a state law or for the preservation of public health, safety, or welfare and compliance with the requirements of section 24-4-103, C.R.S., would be contrary to the public interest.

I find: (1) the immediate adoption of these rules is necessary to comply with the statutory mandates of the Medical Marijuana Code, sections 44-11-101 to -1102, C.R.S., and Retail Marijuana Code, sections 44-12-101 to -1101, C.R.S.; (2) the immediate adoption of these revised rules is necessary to preserve the public health, safety, and welfare; and (3) compliance with the notice and public hearing requirements of section 24-4-103, C.R.S., would be contrary to the public interest.

Statutory Authority

The statutory authority for the attached repealed, revised and new Medical Marijuana Rules is identified in the statement of basis and purpose preceding each rule.

The statutory authority for the attached repealed, revised and new Retail Marijuana Rules is identified in the statement of basis and purpose preceding each rule.

Purpose

The purpose of the revisions to these rules on an emergency basis is as follows:

The State Licensing Authority adopted Emergency Medical Rules M 103, and 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1 and Retail Rules R 103, and 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1, on August 1, 2019 (“August Emergency Rules”). The purpose of the August Emergency Rules is to implement HB19-1090, Concerning Measures to Allow Greater Investment Flexibility in Marijuana Businesses. There is insufficient time to undergo a permanent rulemaking process for the implementation of House Bill 19-1090, as the act became effective immediately upon the Governor’s signature pursuant to a safety clause. However, significant stakeholder input was received during two stakeholder work groups completed prior to adoption of the August Emergency Rules.

The State Licensing Authority anticipates filing a permanent rulemaking notice for all of the aforementioned rules, as well as other rules on or before August 30, 2019, with an expected effective date of January 1, 2020. The permanent rulemaking process will include the opportunity for additional stakeholder and public participation. The re-adoption of the August Emergency Medical Rules will be necessary prior to permanent rules because the August Emergency rules expire on November 29, 2019, prior to the conclusion of permanent rulemaking proceedings.

House Bill 19-1090

On May 29, 2019 Governor Jared Polis signed into law HB 19-1090. HB 19-1090 permits certain publicly traded company ownership in marijuana businesses (prior law expressly prohibited such ownership). The act limits publicly traded company ownership to those organized under and with a principle place of business in the U.S. or a country that authorizes the sale of marijuana and that satisfies one of the following:

1. Have registered securities that constitute “Covered Securities” or are listed on the OTCQX or OTCQB Tier and in compliance with SEC filing and certain corporate governance obligations; or
2. Is a “foreign private issuer” listed on CSE, TSE or TSXVE (Canadian exchanges), and for the preceding 365 days demonstrated compliance with all governance and reporting obligations imposed by the relevant exchange.

The act prohibits certain “ineligible issuers”. In addition to the publicly traded company provisions, HB19-1090 permits the use of certain private investment vehicles including private equity and venture capital funds. The bill also creates new ownership and investment categories, Controlling Beneficial Owner, Passive Beneficial Owner, Indirect Financial Interest Holder, Qualified Institutional Investor, and Qualified Private Fund.

The act limits the scope of disclosure and suitability requirements for marijuana business owners and investors. It requires disclosure and suitability findings for persons owning 10% or more of the securities or owner’s interest in a marijuana business or otherwise in control of the business, and provides exemptions to disclosure and suitability findings for those owning less than 10% of the securities or owner’s interest and not in control of the marijuana business. The act also requires disclosure of persons with more than one indirect financial interest in the same marijuana business, persons contributing over 50% of the marijuana business’s operating capital, and persons with less than a controlling ownership interest in a marijuana business upon a showing of “reasonable cause”.

HB19-1090 provides rulemaking authority for ownership and financial procedures/requirements; records required to be maintained regarding owners and indirect financial interest holders; procedures/requirements for findings of suitability; procedures/requirements for divestiture of a person found unsuitable; procedures, processes and requirements for transfers of ownership involving a publicly traded corporation (e.g. investments, mergers and public offerings); designation of persons who are a controlling beneficial owner by virtue of common control; modification of the percentage of owner’s interests held by controlling or passive beneficial owners; designation of persons that qualify for an exemption from a finding of suitability; and designation of indirect financial interest holders and qualified institutional investors. HB19-1090 includes a safety clause and applies to applications made on or after November 1, 2019.

Effective Date of Emergency Rules and Permanent Rulemaking

The attached emergency rules are effectively immediately upon adoption.

1. The M 200 Series Rules, 1 CCR 212-1 and the R 200 Series Rules, 1 CCR 212-2, are hereby repealed.
2. The prior versions of Medical Rule M 103, 1 CCR 212-1 and Retail Rule M 103, 1 CCR 212-2 are hereby amended.
3. Medical Rules 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1, 1 CCR 212-1 and Retail Rules 201-1, 205-1, 210-1, 215-1, 220-1, 225-1, 230-1, 235-1, 240-1, 245-1, 250-1, 255-1, 260-1, 265-1, 270-1, and 275-1, 1 CCR 212-2 are hereby adopted.

Continues on Next Page

The attached emergency rules remain in effect until their expiration date, 120 from the date of adoption, or until replaced rules promulgated pursuant to the emergency or permanent rulemaking process.



Lu Córdova

Executive Director

Colorado Department of Revenue

State Licensing Authority

August 1, 2019
Date



COLORADO
Department of Revenue

**Emergency Rule Adoption
Retail Marijuana Rules (Revised, Repealed and New)
1 CCR 212-2**

Implementation of HB19-1090
("Measures to Allow for Greater Investment Flexibility")

- Rule R 103 – Definitions (Revised)
- Rule R 200 Series – Licensing and Interests (Entire Rule Series Repealed)
- Rule 200-1 Series – Applications and Licenses (New Rule Series)

August 1, 2019

Questions:

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COLORADO DEPARTMENT OF REVENUE

Marijuana Enforcement Division

1 CCR 212-2

RETAIL MARIJUANA RULES

R 100 Series – General Applicability

Basis and Purpose – R 103

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b) and 44-12-202(3)(c)(VIII), 44-12-103, C.R.S., and all of the Retail Code. The purpose of this rule is to provide necessary definitions of terms used throughout the rules. Defined terms are capitalized where they appear in the rules, to let the reader know to refer back to these definitions. When a term is used in a conventional sense, and is not intended to be a defined term, it is not capitalized. The statutory authority for this rule includes but is not limited to sections 44-11-104, 44-11-202(10)(b), 44-11-202(2)(a), 44-11-202(2)(a)(XXIV), 44-12-103, 44-12-202(2)(b), and 44-12-202(3)(c)(VIII), C.R.S., and all of the Medical Code and Retail Code. The purpose of this rule is to provide necessary definitions of terms used throughout the rules. Defined terms are capitalized where they appear in the rules, to let the reader know to refer back to these definitions. When a term is used in a conventional sense, and not intended to be a defined term, it is not capitalized.~~

R 103 – Definitions

~~Definitions. The following definitions of terms, in addition to those set forth in section 44-12-103, C.R.S., shall apply to all rules promulgated pursuant to the Retail Code, unless the context requires otherwise:~~

~~“Advertising” means the act of providing consideration for the publication, dissemination, solicitation, or circulation, of visual, oral, or written communication, to induce directly or indirectly any Person to patronize a particular Retail Marijuana Establishment, or to purchase particular Retail Marijuana, Retail Marijuana Concentrate, or a Retail Marijuana Product. “Advertising” includes marketing, but does not include packaging and labeling. “Advertising” proposes a commercial transaction or otherwise constitutes commercial speech.~~

~~“Additive” means any substance added to Retail Marijuana Product that is not a common baking or cooking item.~~

~~“Affiliated Interest” means any Business Interest related to a Retail Marijuana Establishment that does not rise to the level of a Financial Interest in a Retail Marijuana Establishment license. An Affiliated Interest may include, but shall not be limited to, an Indirect Beneficial Interest Owner that is not a Financial Interest, an indirect financial interest, a lease agreement, secured or unsecured loan, or security interest in fixtures or equipment with a direct nexus to the cultivation, manufacture, Transfer, transportation, or testing of Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products. Except as otherwise provided by these rules, an Affiliated Interest holder shall neither exercise control of nor be positioned so as to enable the exercise of control over the Retail Marijuana Establishment or its operations. A Retail Marijuana Establishment shall report each of its Affiliated Interests to the Division with each application for initial licensure, renewal, change of ownership or change of corporate structure.~~

~~“Agreement” means any unsecured convertible debt option, option agreement, warrant, or at the Division’s discretion, other document that establishes a right for a person to obtain a Permitted Economic Interest that might convert to an ownership interest in a Retail Marijuana Establishment or Medical Marijuana Business.~~

~~“Alarm Installation Company” means a Person engaged in the business of selling, providing, maintaining, servicing, repairing, altering, replacing, moving or installing a Security Alarm System in a Licensed Premises.~~

~~“Alternative Use Designation” means a designation approved by the State Licensing Authority, permitting a Retail Marijuana Products Manufacturing Facility to manufacture and Transfer Alternative Use Product.~~

~~“Alternative Use Product” means Retail Marijuana Concentrate or Retail Marijuana Product that has at least one intended use that is not included in the list of intended uses in Rule R 1003-1(B). Alternative Use Product may raise public health concerns that outweigh approval of the Alternative Use Product, or that require additional safeguards and oversight. Alternative Use Product shall not be Transferred except as permitted by Rule R 607 after obtaining an Alternative Use Designation. Rule R 607 permits a Retail Marijuana Products Manufacturing Facility to Transfer Alternative Use Product to a Retail Marijuana Testing Facility prior to receiving an Alternative Use Designation. Except where the context otherwise clearly requires, rules applying to Retail Marijuana Concentrate or Retail Marijuana Product apply to Alternative Use Product.~~

~~“Applicant” means a Person that has submitted an application for licensure or registration, or for renewal of licensure or registration, pursuant to these rules that was accepted by the Division for review but has not been approved or denied by the State Licensing Authority.~~

~~“Approved Training Program” means a responsible vendor program that received approval from the Division prior to being offered to a Licensee.~~

~~“Associated Key License” means an Occupational License for an individual who is a Direct Beneficial Interest Owner of the Retail Marijuana Establishment, other than a Qualified Limited Passive Investor, and any Person who controls or is positioned so as to enable the exercise of control over a Retail Marijuana Establishment. Each shareholder, officer, director, member, or partner of a Closely Held Business Entity that is a Direct Beneficial Interest Owner and any Person who controls or is positioned so as to enable the exercise of control over a Retail Marijuana Establishment must hold an Associated Key License.~~

~~“Audited Product” means a Retail Marijuana Product with an intended use of: (1) metered dose nasal spray, (2) pressurized metered dose inhaler, (3) vaginal administration, or (4) rectal administration. Audited Product types may raise public health concerns requiring additional safeguards and oversight. These product types may only be manufactured and Transferred by a Retail Marijuana Products Manufacturing Facility in strict compliance with Rule R 607. Prior to the first Transfer of an Audited Product to a Retail Marijuana Store or Retail Marijuana Cultivation Facility that has obtained a Centralized Distribution Permit, the Retail Marijuana Products Manufacturing Facility shall submit to the Division and, if applicable, to the local jurisdiction an independent third-party audit verifying compliance with Rule R 607. All rules regarding Retail Marijuana Product apply to Audited Product except where Rules R 607, 712, 1002-1, and 1003-1 apply different requirements.~~

~~“Batch Number” means any distinct group of numbers, letters, or symbols, or any combination thereof, assigned by a Retail Marijuana Cultivation Facility or Retail Marijuana Products Manufacturer to a specific Harvest Batch or Production Batch of Retail Marijuana.~~

~~“Business Interest” means any Person that holds a Financial Interest or an Affiliated Interest in a Retail Marijuana Establishment.~~

~~“Cannabinoid” means any of the chemical compounds that are the active principles of marijuana.~~

~~“Centralized Distribution Permit” means a permit issued to a Retail Marijuana Cultivation Facility pursuant to section 44-12-403, C.R.S., authorizing temporary storage of Retail Marijuana Concentrate and Retail Marijuana Product received from a Retail Marijuana Products Manufacturing Facility for the sole purpose of Transfer to commonly owned Retail Marijuana~~

Stores. For purposes of a Centralized Distribution Permit only, the term “commonly-owned” means at least one natural person has a minimum of five percent ownership in both the Retail Marijuana Cultivation Facility possessing the Centralized Distribution Permit and the Retail Marijuana Store.

“Child-Resistant” means special packaging that is:

- a. ~~Designed or constructed to be significantly difficult for children under five years of age to open and not difficult for normal adults to use properly as defined by 16 C.F.R. 1700.15 (1995) and 16 C.F.R. 1700.20 (1995). Note that this rule does not include any later amendments or editions to the Code of Federal Regulations. The Division has maintained a copy of the applicable federal regulations, which is available to the public;~~
- b. ~~Opaque so that the packaging does not allow the product to be seen without opening the packaging material; and~~
- c. ~~Resealable for any product intended for more than a single use or containing multiple servings.~~

“Closely Held Business Entity” means an “entity” as defined in section 7-90-102, C.R.S., that has no more than fifteen shareholders, officers, directors, members, partners or owners, each of whom are natural persons, each of whom holds an Associated Key License, and each of whom is a United States citizen prior to the date of application. There must be no publicly traded market for interests in the entity. A Closely Held Business Entity and each of the natural persons who are its shareholders, officers, directors, members, partners or owners, are Direct Beneficial Interest Owners. A Closely Held Business Entity is an associated business of the Retail Marijuana Establishment for which it is a Direct Beneficial Interest Owner.

“Commercially Reasonable Royalty” means a right to compensation in the form of a royalty payment for the use of intellectual property with a direct nexus to the cultivation, manufacture, Transfer or testing of Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product. A Commercially Reasonable Royalty must be limited to specific intellectual property the Commercially Reasonable Royalty Interest Holder owns or is otherwise authorized to license or to a product or line of products. A Commercially Reasonable Royalty that could cause reasonable consumer confusion or violate any federal copyright, trademark or patent law or regulation will not be approved. The Commercially Reasonable Royalty shall provide for compensation to the Commercially Reasonable Royalty Holder as a percentage of gross revenue or gross profit. The royalty payment must be at a reasonable percentage rate. To determine whether the percentage rate is reasonable, the Division will consider the totality of the circumstances, including but not limited to the following factors:

- a. ~~The percentage of royalties received by the recipient for the licensing of the intellectual property.~~
- b. ~~The rates paid by the Licensee for the use of other intellectual property.~~
- c. ~~The nature and scope of the license, as exclusive or non-exclusive; or as restricted or non-restricted in terms of territory or with respect to whom the product may be sold.~~
- d. ~~The licensor’s established policy and marketing program to maintain his intellectual property monopoly by not licensing others or by granting licenses under special conditions designed to preserve that monopoly.~~
- e. ~~The commercial relationship between the recipient and Licensee, such as, whether they are competitors in the same territory in the same line of business.~~

- f. ~~_____ The effect of selling the intellectual property in promoting sales of other products of the Licensee; the existing value of the intellectual property to the recipient as a generator of sales of his non-intellectual property items; and the extent of such derivative sales.~~
- g. ~~_____ The duration of the term of the license for use of the intellectual property.~~
- h. ~~_____ The established or projected profitability of the product made using the intellectual property; its commercial success; and its current popularity.~~
- i. ~~_____ The utility and advantages of the intellectual property over products or businesses without the intellectual property.~~
- j. ~~_____ The nature of the intellectual property; the character of the commercial embodiment of it as owned and produced by the licensor; and the benefits to those who have used the intellectual property.~~
- k. ~~_____ The portion of the profit or of the selling price that may be customary in the particular business or in comparable businesses to allow for the use of the intellectual property.~~
- l. ~~_____ The portion of the realizable profit that should be credited to the intellectual property as distinguished from non-intellectual property elements, the manufacturing process, business risks, or significant features or improvements added by the Licensee.~~

~~“Commercially Reasonable Royalty Interest Holder” means a Person that receives a Commercially Reasonable Royalty in exchange for a Licensee’s use of the Commercially Reasonable Royalty Interest Holder’s intellectual property. A Commercially Reasonable Royalty Interest Holder is an Indirect Beneficial Interest Owner.~~

~~“Container” means the receptacle directly containing Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product that is labeled according to the requirements in Rules R 1001-1 et seq.~~

~~“Court Appointee” means a Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person; acting in accordance with section 44-12-401(1.5), C.R.S., and these rules; and authorized by court order to take possession of, operate, manage, or control a licensed Retail Marijuana Establishment.~~

~~“Denied Applicant” means any Person whose application for licensure pursuant to the Retail Code has been denied, any Person whose application for a responsible vendor program has been denied, or any Licensee whose application for any of the following non-exhaustive list has been denied: a change or transfer of ownership pursuant to Rule R 205; a change of location of the Licensed Premises pursuant to Rule R 206; a change, alteration, or modification of the Licensed Premises pursuant to Rule R 303; or a production management tier increase request pursuant to Rule R 506..~~

~~“Department” means the Colorado Department of Revenue.~~

~~“Direct Beneficial Interest Owner” means a natural person or a Closely Held Business entity that owns a share or shares of stock in a licensed Retail Marijuana Establishment, including the officers, directors, members, or partners of the licensed Retail Marijuana Establishment or Closely Held Business Entity, or a Qualified Limited Passive Investor. Each natural person that is a Direct Beneficial Interest Owner must hold an Associated Key License. Except that a Qualified Limited Passive Investor need not hold an Associated Key License and shall not engage in activities for which an Occupational License is required.~~

~~“Director” means the Director of the Marijuana Enforcement Division.~~

~~“Division” means the Marijuana Enforcement Division.~~

~~“Edible Retail Marijuana Product” means any Retail Marijuana Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.~~

~~“Executive Director” means the Executive Director of the Department of Revenue.~~

~~“Exit Package” means an Opaque bag or other similar Opaque covering provided at the retail point of sale, in which Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product already in a Container is placed. If Retail Marijuana flower, trim or seeds are placed into a Container that is not Child-Resistant, then the Exit Package must be Child-Resistant. The Exit Package is not required to be labeled in accordance with Rules R 1001 et seq. or Rules R 1001-1 et seq.~~

~~“Fibrous Waste” means any roots, stalks, and stems from a Retail Marijuana plant.~~

~~“Final Agency Order” means an Order of the State Licensing Authority issued in accordance with the Retail Code and the State Administrative Procedure Act. The State Licensing Authority will issue a Final Agency Order following review of the Initial Decision and any exceptions filed thereto or at the conclusion of the declaratory order process. A Final Agency Order is subject to judicial review.~~

~~“Financial Interest” means any Direct Beneficial Interest Owner, a Commercially Reasonable Royalty Interest Holder who receives more than 30 percent of the gross revenue or gross profit, a Permitted Economic Interest holder, and any other Person who controls or is positioned so as to enable the exercise of control over the Retail Marijuana Establishment.~~

~~“Flammable Solvent” means a liquid that has a flash point below 100 degrees Fahrenheit.~~

~~“Flowering” means the reproductive state of the cannabis plant in which there are physical signs of flower budding out of the nodes of the stem.~~

~~“Food-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of propylene glycol, glycerin, butter, olive oil or other typical cooking fats.~~

~~“Good Cause” for purposes of denial of an initial, renewal, or reinstatement of a license application, means:~~

- ~~a. The Licensee or Applicant has violated, does not meet, or has failed to comply with any of the terms, conditions, or provisions of the Retail Code, any rules promulgated pursuant to it, or any supplemental relevant state or local law, rule, or regulation;~~
- ~~b. The Licensee or Applicant has failed to comply with any special terms or conditions that were placed upon the license pursuant to an order of the State Licensing Authority or the relevant local jurisdiction; or~~
- ~~c. The Licensee's Licensed Premises have been operated in a manner that adversely affects the public health or welfare or the safety of the immediate neighborhood in which the establishment is located.~~

~~“Good Moral Character” means having a criminal history that demonstrates honesty, fairness, and respect for the rights of others and for the law.~~

~~“Harvest Batch” means a specifically identified quantity of processed Retail Marijuana that is uniform in strain, cultivated utilizing the same Pesticide and other agricultural chemicals and harvested at the same time.~~

~~“Harvested Marijuana” means post-Flowering Retail Marijuana not including trim, concentrate or waste that remains on the premises of the Retail Marijuana Cultivation Facility or its off-premises storage location beyond 60 days from harvest.~~

~~“Heat/Pressure-Based Retail Marijuana Concentrate” means Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of heat and/or pressure. This method of extraction may be used by only a Retail Marijuana Products Manufacturing Facility and can be used alone or on a Production Batch that also includes Water-Based Retail Marijuana Concentrate or Solvent-Based Retail Marijuana Concentrate.~~

~~“Identity Statement” means the name of the business as it is commonly known and used in any Advertising.~~

~~“Immature plant” means a nonflowering Retail Marijuana plant that is no taller than eight inches and no wider than eight inches produced from a cutting, clipping or seedling and is in a cultivating container. Plants meeting these requirements are not attributable to a Licensee’s maximum allowable plant count, but must be fully accounted for in the Inventory Tracking System.~~

~~“Indirect Beneficial Interest Owner” means a holder of a Permitted Economic Interest, a recipient of a Commercially Reasonable Royalty associated with the use of intellectual property by a Licensee, a Profit-Sharing Plan Employee, a Qualified Institutional Investor, or another similarly situated Person as determined by the State Licensing Authority. An Indirect Beneficial Interest Owner is not a Licensee. The Licensee must obtain Division approval for an Indirect Beneficial Interest Owner that constitutes a Financial Interest before such Indirect Beneficial Interest Owner may exercise any of the privileges of the ownership or interest with respect to the Licensee.~~

~~“Industrial Fiber Products” means intermediate or finished products made from Fibrous Waste that are not intended for human or animal consumption and are not usable or recognizable as Retail Marijuana. Industrial Fiber Products include, but are not limited to, cordage, paper, fuel, textiles, bedding, insulation, construction materials, compost materials, and industrial materials.~~

~~“Industrial Fiber Products Producer” means a Person who produces Industrial Fiber Products using Fibrous Waste.~~

~~“Industrial Hemp” means a plant of the genus Cannabis and any part of the plant, whether growing or not, containing a delta-9 tetrahydrocannabinol (THC) concentration of no more than three-tenths of one percent (0.3%) on a dry weight basis.~~

~~“Industrial Hygienist” means an individual who has obtained a baccalaureate or graduate degree in industrial hygiene, biology, chemistry, engineering, physics, or a closely related physical or biological science from an accredited college or university.~~

- a. ~~_____ The special studies and training of such individuals shall be sufficient in the cognate sciences to provide the ability and competency to:~~
 1. ~~_____ Anticipate and recognize the environmental factors and stresses associated with work and work operations and to understand their effects on individuals and their well-being;~~
 2. ~~_____ Evaluate on the basis of training and experience and with the aid of quantitative measurement techniques the magnitude of such environmental factors and stresses in terms of their ability to impair human health and well-being;~~

3. ~~Prescribe methods to prevent, eliminate, control, or reduce such factors and stresses and their effects.~~

b. ~~Any individual who has practiced within the scope of the meaning of industrial hygiene for a period of not less than five years immediately prior to July 1, 1997, is exempt from the degree requirements set forth in the definition above.~~

c. ~~Any individual who has a two-year associate of applied science degree in environmental science from an accredited college or university and in addition not less than four years practice immediately prior to July 1, 1997, within the scope of the meaning of industrial hygiene is exempt from the degree requirements set forth in the definition above.~~

~~“Initial Decision” means a decision of a hearing officer in the Department following a licensing, disciplinary, or other administrative hearing. Either party may file exceptions to the Initial Decision. The State Licensing Authority will review the Initial Decision and any exceptions filed thereto, and will issue a Final Agency Order.~~

~~“Inventory Tracking System” means the required seed-to-sale tracking system that tracks Retail Marijuana from either the seed or immature plant stage until the Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product is sold to a customer at a Retail Marijuana Store, Transferred to a Retail Marijuana Testing Facility, Transferred to a Sampling Manager, Transferred to an Industrial Fiber Products Producer, Transferred to a Medical Research Facility, Transferred to a Pesticide Manufacturer, or destroyed.~~

~~“Inventory Tracking System Trained Administrator” means an Associated Key Licensee of a Retail Marijuana Establishment or an occupationally licensed employee of a Retail Marijuana Establishment, each of whom has attended and successfully completed Inventory Tracking System training and has completed any additional training required by the Division.~~

~~“Inventory Tracking System User” means an Associated Key Licensee of a Retail Marijuana Establishment or an occupationally licensed Retail Marijuana Establishment employee, who is granted Inventory Tracking System User account access for the purposes of performing inventory tracking functions in the Inventory Tracking System. Each Inventory Tracking System User must have been successfully trained by an Inventory Tracking System Trained Administrator in the proper and lawful use of Inventory Tracking System.~~

~~“Key License” means an Occupational License for an individual who performs duties that are central to the Retail Marijuana Establishment's operation. An individual holding a Key License has the highest level of responsibility but is not an Owner. An example of a Key Licensee includes, but is not limited to, managers.~~

~~“Kief” means the resinous crystal-like trichomes that are found on Retail Marijuana flower and that are accumulated, resulting in a higher concentration of cannabinoids.~~

~~“Licensed Premises” means the premises specified in an application for a license pursuant to the Retail Code that are owned or in possession of the Licensee and within which the Licensee is authorized to cultivate, manufacture, distribute, sell, store, transport, or test Retail Marijuana in accordance with the provisions of the Retail Code and these rules. Not all areas of the Licensed Premises are Limited Access Areas or Restricted Access Areas.~~

~~“Licensed Research Business” means a Marijuana Research and Development Facility or a Marijuana Research and Development Cultivation.~~

~~“Licensee” means any Person licensed or registered pursuant to the Retail Code or, in the case of an Occupational License Licensee, any individual licensed pursuant to the Retail Code or Medical Code.~~

~~“Limited Access Area” means a building, room, or other contiguous area upon the Licensed Premises where Retail Marijuana is grown, cultivated, stored, weighed, packaged, Transferred, or processed for Transfer, under control of the Licensee.~~

~~“Limit of Detection” or “LOD” means the lowest quantity of a substance that can be distinguished from the absence of that substance (a blank value) within a stated confidence limit (generally 1%).~~

~~“Limit of Quantitation” or “LOQ” means the lowest concentration at which the analyte can not only be reliably detected but at which some predefined goals for bias and imprecision are met.~~

~~“Liquid Edible Retail Marijuana Product” means an Edible Retail Marijuana Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.~~

~~“Marijuana-Based Workforce Development Training Program” means a program designed to train individuals to work in the legal Medical or Retail Marijuana industry operated by an entity licensed under the Medical Code and/or Retail Code or by a school that is authorized by the Division of Private Occupational Schools.~~

~~“Marketing Layer” means packaging in addition to the Container that is the outermost layer visible to the consumer at the point of sale. The Marketing Layer is optional, but if used by a Licensee in addition to the required Container, it must be labeled according to the requirements Rules R 1001-1 et seq.~~

~~“Marijuana Research and Development Cultivation” means a Person that is licensed pursuant to the Medical Code to grow, cultivate, and possess Medical Marijuana, and to Transfer Medical Marijuana to a Marijuana Research and Development Facility or another Medical Research and Development Cultivation, all for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Cultivation is a Licensed Research Business.~~

~~“Marijuana Research and Development Facility” means a Person that is licensed pursuant to the Medical Code to possess Medical Marijuana for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Facility is a Licensed Research Business.~~

~~“Material Change” means any change that would require a substantive revision to a Retail Marijuana Establishment’s standard operating procedures for the cultivation of Retail Marijuana or the production of a Retail Marijuana Concentrate or Retail Marijuana Product.~~

~~“Medical Code” means the Colorado Medical Marijuana Code found at sections 44-11-101 et seq., C.R.S.~~

~~“Medical Marijuana” means marijuana that is grown and sold pursuant to the Medical Code and includes seeds and Immature Plants. Unless the context otherwise requires, Medical Marijuana Concentrate is considered Medical Marijuana and is included in the term “Medical Marijuana” as used in these rules.~~

~~“Medical Marijuana Business” means a Medical Marijuana Center, a Medical Marijuana-Infused Product Manufacturer, an Optional Premises Cultivation Operation, a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator, or a Medical Marijuana Transporter, a Marijuana Research and Development Facility, or a Marijuana Research and Development Cultivation.~~

~~“Medical Marijuana Business Operator” means an entity that holds a registration or license from the State Licensing Authority to provide professional operational services to one or more Medical Marijuana Businesses, other than Licensed Research Businesses, for direct remuneration from the Medical Marijuana Business(es), which may include compensation based upon a percentage~~

~~of the profits of the Medical Marijuana Business(es) being operated. A Medical Marijuana Business Operator may contract with Medical Marijuana Business(es) to provide operational services. A Medical Marijuana Business Operator's contract with a Medical Marijuana Business does not in and of itself constitute ownership. The Medical Code and rules apply to all Medical Marijuana Business Operators regardless of whether such operator holds a registration or license. Any reference to "license" or "licensee" shall mean "registration" or "registrant" when applied to a Medical Marijuana Business Operator that holds a registration issued by the State Licensing Authority.~~

~~"Medical Marijuana Center" means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-402, C.R.S., and sells Medical Marijuana to registered patients or primary caregivers as defined in Article XVIII, Section 14 of the Colorado Constitution, but is not a primary caregiver.~~

~~"Medical Marijuana Concentrate" means a specific subset of Medical Marijuana that was produced by extracting Cannabinoids from Medical Marijuana. Categories of Medical Marijuana Concentrate include Water-Based Medical Marijuana Concentrate, Food-Based Medical Marijuana Concentrate, Solvent-Based Medical Marijuana Concentrate, and Heat/Pressure-Based Medical Marijuana Concentrate.~~

~~"Medical Marijuana Infused Product" means a product infused with Medical Marijuana that is intended for use or consumption other than by smoking, including but not limited to edible product, ointments, and tinctures. Such products shall not be considered a food or drug for purposes of the "Colorado Food and Drug Act," part 4 of Article 5 of Title 25, C.R.S.~~

~~"Medical Marijuana Infused Products Manufacturer" means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-404, C.R.S.~~

~~"Medical Marijuana Testing Facility" means a public or private laboratory licensed and certified, or approved by the Division, to perform testing and research on Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana Infused Products.~~

~~"Medical Marijuana Transporter" means a Person that is licensed to transport Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana Infused Products from one Medical Marijuana Business to another Medical Marijuana Business or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana Infused Products at its licensed premises, but is not authorized to sell, give away, buy, or receive complimentary Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana Infused Products under any circumstances. A Medical Marijuana Transporter does not include a Licensee that transports its own Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana Infused Products.~~

~~"Medical Research Facility" means a Person approved and grant-funded by the State Board of Health pursuant to section 25-1.5-106.5, C.R.S., to conduct Medical Marijuana research. A Medical Research Facility is neither a Medical Marijuana Business, a Retail Marijuana Establishment, nor a Licensee.~~

~~"Monitoring" means the continuous and uninterrupted attention to potential alarm signals that could be transmitted from a Security Alarm System located at a Retail Marijuana Establishment Licensed Premises, for the purpose of summoning a law enforcement officer to the premises during alarm conditions.~~

~~"Monitoring Company" means a person in the business of providing security system Monitoring services for the Licensed Premises of a Retail Marijuana Establishment.~~

~~"Multiple-Serving Edible Retail Marijuana Product" means an Edible Retail Marijuana Product unit for sale to consumers containing more than 10mg of active THC and no more than 100mg of active THC. If the overall Edible Retail Marijuana Product unit for sale to the consumer consists of~~

~~multiple pieces where each individual piece may contain less than 10mg active THC, yet in total all pieces combined within the unit for sale contain more than 10mg of active THC, then the Edible Retail Marijuana Product shall be considered a Multiple-Serving Edible Retail Marijuana Product.~~

~~“Notice of Denial” means a written statement from the State Licensing Authority, articulating the reasons or basis for denial of a license application.~~

~~“Occupational License” means a license granted to an individual by the State Licensing Authority pursuant to section 44-11-401 or 44-12-401, C.R.S. An Occupational License may be an Associated Key License, a Key License or a Support License.~~

~~“Opaque” means that the packaging does not allow the product to be seen without opening the packaging material.~~

~~“Optional Premises Cultivation Operation” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-403, C.R.S.~~

~~“Order to Show Cause” means a document from the State Licensing Authority alleging the grounds for imposing discipline against a Licensee’s license.~~

~~“Owner” means, except where the context otherwise requires, a Direct Beneficial Interest Owner.~~

~~“Permitted Economic Interest” means an Agreement to obtain an ownership interest in a Retail Marijuana Establishment or Medical Marijuana Business when the holder of such interest is a natural person who is a lawful United States resident and whose right to convert into an ownership interest is contingent on the holder qualifying and obtaining a license as a Direct Beneficial Interest Owner under the Retail Code or Medical Code. A Permitted Economic Interest holder is an Indirect Beneficial Interest Owner.~~

~~“Person” means a natural person, partnership, association, company, corporation, limited liability company, or organization, or a manager, agent, owner, director, servant, officer, or employee thereof; except that “Person” does not include any governmental organization.~~

~~“Pesticide” means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any pest or any substance or mixture of substances intended for use as a plant regulator, defoliant or desiccant; except that the term “pesticide” shall not include any article that is a “new animal drug” as designated by the United States Food and Drug Administration.~~

~~“Pesticide Manufacturer” means a Person who (1) manufactures, prepares, compounds, propagates, or processes any Pesticide or device or active ingredient used in producing a Pesticide; (2) who possesses an establishment registration number with the U.S. Environmental Protection Agency pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. §§ 136 et seq.; (3) who conducts research to establish safe and effective protocols, including but not limited to establishing efficacy and toxicity, for the use of Pesticides on Medical Marijuana; (4) who has applied for and received any necessary license, registration, certifications, or permits from the Colorado Department of Agriculture, pursuant to the Pesticide Act, sections 35-9-101 et seq., C.R.S. and/or the Pesticide Applicators’ Act, sections 35-10-101 et seq., C.R.S.; (5) who is authorized to conduct business in the State of Colorado; and (6) who has physical possession of the location in the State of Colorado where its research activities occur. A Pesticide Manufacturer is neither a Medical Marijuana Business, a Retail Marijuana Establishment, nor a Licensee.~~

~~“Production Batch” means (a) any amount of Retail Marijuana Concentrate of the same category and produced using the same extraction methods, standard operating procedures and an identical group of Harvest Batch(es) of Retail Marijuana; or (b) any amount of Retail Marijuana Product of the same exact type, produced using the same ingredients, standard operating procedures and the same Production Batch(es) of Retail Marijuana Concentrate.~~

~~“Professional Engineer” means an individual who is licensed by the State of Colorado as a professional engineer pursuant to sections 12-25-101 et seq., C.R.S.~~

~~“Proficiency Testing” means an assessment of the performance of a Retail Marijuana Testing Facility’s methodology and processes. Proficiency Testing is also known as inter-laboratory comparison. The goal of Proficiency Testing is to ensure results are accurate, reproducible, and consistent.~~

~~“Profit-Sharing Plan” means a profit-sharing plan that is qualified pursuant to 26 U.S.C. § 401 of the Internal Revenue Code and subject to the Employee Retirement Income Security Act, and which provides for employer contributions in the form of cash, but not in the form of stock or other equity interests in a Retail Marijuana Establishment.~~

~~“Profit-Sharing Plan Employee” means an employee holding an Occupational License who receives a share of a Retail Marijuana Establishment’s profits through a Profit-Sharing Plan. A Profit-Sharing Plan Employee is an Indirect Beneficial Interest Owner.~~

~~“Propagation” means the reproduction of Retail Marijuana plants by seeds, cuttings or grafting.~~

~~“Public Institution” means any entity established or controlled by the federal government, a state government, or a local government or municipality, including but not limited to an institution of higher education or a public higher education research institution.~~

~~“Public Money” means any funds or money obtained by the holder from any governmental entity, including but not limited to research grants.~~

~~“Qualified Institutional Investor” means:~~

- ~~a. — A bank as defined in Section 3(a) (6) of the Federal Securities Exchange Act of 1934, as amended;~~
- ~~b. — An insurance company as defined in Section 2(a) (17) of the Investment Company Act of 1940, as amended;~~
- ~~c. — An investment company registered under Section 8 of the Investment Company Act of 1940, as amended;~~
- ~~d. — An investment adviser registered under Section 203 of the Investment Advisers Act of 1940, as amended;~~
- ~~e. — Collective trust funds as defined in Section 3(c) (11) of the Investment Company Act of 1940, as amended;~~
- ~~f. — An employee benefit plan or pension fund that is subject to the Employee Retirement Income Security Act of 1974, as amended, excluding an employee benefit plan or pension fund sponsored by a licensed or an intermediary or holding company licensee which directly or indirectly owns five percent or more of a licensee;~~
- ~~g. — A state or federal government pension plan; or~~
- ~~h. — A group comprised entirely of persons specified in (a) through (g) of this definition.~~

~~A Qualified Institutional Investor is an Indirect Beneficial Interest Owner.~~

~~“Qualified Limited Passive Investor” means a natural person who is a United States citizen and is a passive investor who owns less than a five percent share or shares of stock in a licensed Retail Marijuana Establishment. A Qualified Limited Passive Investor is a Direct Beneficial Interest Owner.~~

~~“R&D Co-Location Permit” means a permit issued to a Licensed Research Business authorizing it to co-locate with a commonly owned Medical Marijuana-Infused Products Manufacturer, Retail Marijuana Products Manufacturing Facility, Optional Premises Cultivation Operation, or Retail Marijuana Cultivation Facility pursuant to Rule M 1901. A separate R&D Co-Location Permit is required for each location at which a Licensed Research Business seeks to share a single Licensed Premises.~~

~~“RFID” means Radio Frequency Identification.~~

~~“Remediation” means the process by which Retail Marijuana flower and trim, which has failed microbial testing, is processed into a Solvent-Based Retail Marijuana Concentrate and retested as required by these rules.~~

~~“Resealable” means that the Container maintains its Child-Resistant effectiveness for multiple openings.~~

~~“Research Project” means a discrete scientific endeavor to answer a research question or a set of research questions. A Research Project must include a description of a defined protocol, clearly articulated goal(s), defined methods and outputs, and a defined start and end date. The description must demonstrate that the Research Project will comply with all requirements in the M 1900 Series—Licensed Research Businesses. All research and development conducted by a Licensed Research Business must be conducted in furtherance of an approved Research Project.~~

~~“Respondent” means a Person who has filed a petition for declaratory order that the State Licensing Authority has determined needs a hearing or legal argument or a Licensee who is subject to an Order to Show Cause.~~

~~“Responsible Vendor Program Provider” means a Person offering an Approved Training Program, in accordance with section 44-11-1101, C.R.S., to Licensees seeking to be designated a responsible vendor.~~

~~“Restricted Access Area” means a designated and secure area within a Licensed Premises in a Retail Marijuana Store where Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product are sold, possessed for sale, and displayed for sale, and where no one under the age of 21 is permitted.~~

~~“Retail Code” means the Colorado Retail Marijuana Code found at sections 44-12-101 et seq., C.R.S.~~

~~“Retail Marijuana” means all parts of the plant of the genus cannabis whether growing or not, the seeds thereof, the resin extracted from any part of the plant, and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds, or its resin, including but not limited to Retail Marijuana Concentrate, that is cultivated, manufactured, distributed, or sold by a licensed Retail Marijuana Establishment. “Retail Marijuana” does not include industrial hemp, nor does it include fiber produced from stalks, oil, or cake made from the seeds of the plant, sterilized seed of the plant which is incapable of germination, or the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink, or other product. Unless the context otherwise requires, Retail Marijuana Concentrate is considered Retail Marijuana and is included in the term “Retail Marijuana” as used in these rules.~~

~~“Retail Marijuana Concentrate” means a specific subset of Retail Marijuana that was produced by extracting cannabinoids from Retail Marijuana. Categories of Retail Marijuana Concentrate include Water-Based Retail Marijuana Concentrate, Food-Based Retail Marijuana Concentrate~~

~~Solvent-Based Retail Marijuana Concentrate, and Heat/Pressure-Based Retail Marijuana Concentrate.~~

~~“Retail Marijuana Cultivation Facility” means an entity licensed to cultivate, prepare, and package Retail Marijuana and Transfer Retail Marijuana to Retail Marijuana Establishments, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.~~

~~“Retail Marijuana Establishment” means a Retail Marijuana Store, a Retail Marijuana Cultivation Facility, a Retail Marijuana Products Manufacturing Facility, a Retail Marijuana Testing Facility, a Retail Marijuana Establishment Operator or a Retail Marijuana Transporter.~~

~~“Retail Marijuana Establishment Operator” means an entity that holds a license from the State Licensing Authority to provide professional operational services to one or more Retail Marijuana Establishments for direct remuneration from the Retail Marijuana Establishment(s), which may include compensation based upon a percentage of the profits of the Retail Marijuana Establishment(s) being operated. A Retail Marijuana Establishment Operator contracts with Retail Marijuana Establishment(s) to provide operational services. A Retail Marijuana Establishment Operator’s contract with a Retail Marijuana Establishment does not in and of itself constitute ownership.~~

~~“Retail Marijuana Product” means a product that is comprised of Retail Marijuana and other ingredients and is intended for use or consumption, such as, but not limited to, edible product, ointments and tinctures.~~

~~“Retail Marijuana Products Manufacturing Facility” means an entity licensed to purchase Retail Marijuana; manufacture, prepare, and package Retail Marijuana Product; and Transfer Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product only to other Retail Marijuana Products Manufacturing Facilities, Retail Marijuana Stores, Medical Research Facilities, and Pesticide Manufacturers.~~

~~“Retail Marijuana Store” means an entity licensed to purchase Retail Marijuana and Retail Marijuana Concentrate from a Retail Marijuana Cultivation Facility and to purchase Retail Marijuana Product and Retail Marijuana Concentrate from a Retail Marijuana Products Manufacturing Facility and to Transfer Retail Marijuana, Retail Marijuana Concentrate and Retail Marijuana Product to consumers.~~

~~“Retail Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to perform testing and research on Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products.~~

~~“Retail Marijuana Transporter” means a Person that is licensed to transport Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products from one Retail Marijuana Establishment to another Retail Marijuana Establishment or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products at its Licensed Premises, but is not authorized to sell, give away, buy, or receive complimentary Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products under any circumstances. A Retail Marijuana Transporter does not include a Licensee that transports and distributes its own Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.~~

~~“Sample” means any item collected from a Retail Marijuana Establishment that is provided to a Retail Marijuana Testing Facility for testing. The following is a non-exhaustive list of types of Samples: Retail Marijuana, Retail Marijuana Concentrate, Retail Marijuana Product, soil, growing medium, water, solvent or swab of a counter or equipment.~~

~~“Sampling Manager” means an Associated Key Licensee or a Key Licensee designated by a Retail Marijuana Cultivation Facility or a Retail Marijuana Products Manufacturing Facility to~~

~~receive Transfers of Sampling Units of Retail Marijuana, Retail Marijuana Product, or Retail Marijuana Concentrate pursuant to Rule R 507 and R 606.~~

~~"Sampling Unit" means a unit of Retail Marijuana, Retail Marijuana Product, or Retail Marijuana Concentrate Transferred to a Sampling Manager for purposes of quality control and product development pursuant to Rule R 507 and R 606, and sections 44-11-403(4) and 44-12-404(12), C.R.S..~~

~~"Security Alarm System" means a device or series of devices, intended to summon law enforcement personnel during, or as a result of, an alarm condition. Devices may include hard-wired systems and systems interconnected with a radio frequency method such as cellular or private radio signals that emit or transmit a remote or local audible, visual, or electronic signal; motion detectors, pressure switches, duress alarms (a silent system signal generated by the entry of a designated code into the arming station to indicate that the user is disarming under duress); panic alarms (an audible system signal to indicate an emergency situation); and hold-up alarms (a silent system signal to indicate that a robbery is in progress).~~

~~"Shipping Container" means a hard-sided container with a lid or other enclosure that can be secured in place. A Shipping Container is used solely for the transport of Retail Marijuana, Retail Marijuana Concentrate or Retail Marijuana Product between Retail Marijuana Establishments, a Medical Research Facility, or a Pesticide Manufacturer.~~

~~"Single Serving Edible Retail Marijuana Product" means an Edible Retail Marijuana Product unit for sale to consumers containing no more than 10mg of active THC.~~

~~"Solvent-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of a solvent approved by the Division pursuant to Rule R 605.~~

~~"Standardized Graphic Symbol" means a graphic image or small design adopted by a Licensee to identify its business.~~

~~"Standardized Serving Of Marijuana" means a standardized single serving of active THC. The size of a Standardized Serving Of Marijuana shall be no more than 10mg of active THC.~~

~~"State Licensing Authority" means the authority created for the purpose of regulating and controlling the licensing of the cultivation, manufacture, distribution, and sale of Medical Marijuana and Retail Marijuana in Colorado, pursuant to section 44-11-201, C.R.S.~~

~~"Support License" means a license for an individual who performs duties that support the Retail Marijuana Establishment's operations. A Support Licensee is a person with less decision-making authority than a Key Licensee and who is reasonably supervised by a Key Licensee or an Associated Key Licensee. Examples of individuals who need this type of license include, but are not limited to, sales clerks or cooks.~~

~~"Temporary Appointee Registration" means a registration issued to a Court Appointee pursuant to section 44-12-401(1.5)(b), C.R.S.~~

~~"THC" means tetrahydrocannabinol.~~

~~"THCA" means tetrahydrocannabinolic acid.~~

~~"Test Batch" means a group of Samples that are derived from a single Harvest Batch, Production Batch, or Inventory Tracking System package, and that are collectively submitted to a Retail Marijuana Testing Facility for testing purposes.~~

~~“Total THC” means the sum of the percentage by weight of THCA multiplied by 0.877 plus the percentage by weight of THC i.e., Total THC = (%THCA x 0.877) + % THC.~~

~~“Transfer(s)(ed)(ing)” means to grant, convey, hand over, assign, sell, exchange, donate, or barter, in any manner or by any means, with or without consideration, any Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product from one Licensee to another Licensee or to a consumer. A Transfer includes the movement of Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product from one licensed premises to another, even if both premises are contiguous, and even if both premises are owned by a single entity or individual or group of individuals and also includes a virtual transfer that is reflected in the Inventory Tracking System, even if no physical movement of the Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product occurs.~~

~~“Universal Symbol” means the image established by the Division and made available to Licensees through the Division’s website indicating the Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product contains marijuana.~~

~~“Unrecognizable” means marijuana or Cannabis plant material rendered indistinguishable from any other plant material.~~

~~“Vegetative” means the state of the Cannabis plant during which plants do not produce resin or flowers and are bulking up to a desired production size for Flowering.~~

~~“Water-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of only water, ice or dry ice.~~

Definitions. The following definitions of terms, in addition to those set forth in section 44-11-104, C.R.S., apply to all rules promulgated pursuant to the Medical Code, unless the context requires otherwise:

“Acquire,” when used in connection with the acquisition of an Owner’s Interest of a Regulated Marijuana Business, means obtaining ownership, Control, power to vote, or sole power of disposition of the Owner’s Interest, directly or indirectly through one or more transactions or subsidiaries, through purchase, assignment, transfer, exchange, succession or other means.

“Acting in Concert” means knowing participation in a joint activity or interdependent conscious parallel action toward a common goal, whether or not pursuant to an express agreement.

“Advertising” means the act of providing consideration for the publication, dissemination, solicitation, or circulation, of visual, oral, or written communication, to induce directly or indirectly any Person to patronize a particular Regulated Marijuana Business, or to purchase particular Regulated Marijuana or a Regulated Marijuana Product. “Advertising” includes marketing, but does not include packaging and labeling. “Advertising” proposes a commercial transaction or otherwise constitutes commercial speech.

“Affiliate” of, or Person affiliated with, a specified Person, means a Person that directly or indirectly through one or more intermediaries, Controls or is Controlled by, or is under common Control with, the Person specified.

“Alarm Installation Company” means a Person engaged in the business of selling, providing, maintaining, servicing, repairing, altering, replacing, moving or installing a Security Alarm System in a Licensed Premises.

“Alternative Use Designation” means a designation approved by the State Licensing Authority, permitting a Medical Marijuana-Infused Products Manufacturer to manufacture and Transfer Alternative Use Product.

“Alternative Use Product” means Regulated Marijuana or Regulated Marijuana Product that has at least one intended use that is not included in the list of intended uses in Rule M 1003-1(B) and Rule R 1003-1(B). Alternative Use Product may raise public health concerns that outweigh approval of the Alternative Use Product, or that require additional safeguards and oversight. Alternative Use Product cannot be Transferred except as permitted by Rule M 607 or Rule R 607 after obtaining an Alternative Use Designation. Rule M 607 permits a Medical Marijuana-Infused Products Manufacturer to Transfer Alternative Use Product to a Medical Marijuana Testing Facility prior to receiving an Alternative Use Designation. Rule R 607 permits a Retail Marijuana Products Manufacturer to Transfer Alternative Use Product to a Retail Marijuana Testing Facility prior to receiving an Alternative Use Designation. Except where the context otherwise clearly requires, rules applying to Medical Marijuana Concentrate, Retail Marijuana Concentrate, or Regulated Marijuana Product apply to Alternative Use Product.

“Applicant” means a Person that has submitted an application for licensure, registration, or permit, or for renewal of licensure, registration, or permit, pursuant to these rules that was accepted by the Division for review but has not been approved or denied by the State Licensing Authority.

“Approved Training Program” means a responsible vendor program that received approval from the Division prior to being offered to a Licensee.

“Audited Product” means a Regulated Marijuana Product with an intended use of: (1) metered dose nasal spray, (2) pressurized metered dose inhaler, (3) vaginal administration, or (4) rectal administration. Audited Product types may raise public health concerns requiring additional safeguards and oversight. These product types may only be manufactured and Transferred by a Medical Marijuana-Infused Products Manufacturer in strict compliance with Rule M 607 and by a Retail Marijuana Products Manufacturer in strict compliance with Rule R 607. Prior to the first Transfer of an Audited Product to a Medical Marijuana Center, Retail Marijuana Store, or Optional Premises Cultivation Operation or Retail Marijuana Cultivation Facility that has obtained a Centralized Distribution Permit, the Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Products Manufacturer must submit to the Division and to the local licensing authority an independent third-party audit verifying compliance with Rule M 607 or Rule R 607. All rules regarding Regulated Marijuana Product apply to Audited Product except where Rules M 607, 712, 1002-1, and 1003-1, and Rules R 607, 712, 1002-1, and 1003-1 apply different requirements.

“Bad Actor” means a Person who:

- a. Has been convicted, within the previous ten years (or five years, in the case of issuers, their predecessors and affiliated issuers), of any felony or misdemeanor:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filing with the Federal Securities Exchange Commission; or
 - iii. Arising out of the conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- b. Is subject to any order, judgment or decree of any court of competent jurisdiction, entered within the previous five years, that restrains or enjoins such Person from engaging or continuing to engage in any conduct or practice:
 - i. In connection with the purchase or sale of any Security;
 - ii. Involving the making of any false filings with the Federal Securities Exchange Commission; or

- iii. Arising out of conduct of the business of an underwriter, broker, dealer, municipal securities dealer, investment adviser or paid solicitor of purchasers of Securities;
- c. Is subject to a final order of a state securities commission (or an agency or officer of a state performing like functions); a state authority that supervises or examines banks, savings associations, or credit unions; a state insurance commission (or an agency or officer of a state performing like functions); an appropriate federal banking agency; the U.S. Commodity Futures Trading Commission; or the National Credit Union Administration that:
 - i. Bars the Person from:
 - A. Association with an Entity regulated by such commission, authority, agency, or officer;
 - B. Engaging in the business of Securities, insurance or banking; or
 - C. Engaging in savings association or credit union activities; or
 - ii. Constitutes a final order based on a violation of any law or regulation that prohibits fraudulent, manipulative, or deceptive conduct entered within the previous ten years;
- d. Is subject to an order of the Federal Securities Exchange Commission entered pursuant to section 15(b) or 15B(c) of the Securities Exchange Act of 1934, or section 203(e) or (f) of the Investment Advisers Act of 1940 that:
 - i. Suspends or revokes such Person's registration as a broker, dealer, municipal securities dealer or investment adviser;
 - ii. Places limitations on the activities, functions or operations of such Person; or
 - iii. Bars such Person from being associated with any Entity, or from participating in the offering of any Penny Stock;
- e. Is subject to any order of the Federal Securities Exchange Commission entered within the previous five years that orders the Person to cease and desist from committing or causing a violation or future violation of:
 - i. Any scienter-based anti-fraud provision of the federal securities laws, including without limitations section 17(a)(1) of the Securities Act of 1933, section 10(b) of the Securities Exchange Act of 1934 and 17 C.F.R. 240.10b-5, section 15(c)(1) of the Securities Exchange Act of 1934 and section 206(1) of the Investment Advisers Act of 1940, or any other rule or regulation thereunder; or
 - ii. Section 5 of the Securities Act of 1933.
- f. Is suspended or expelled from membership in, or suspended or barred from association with a member of, a registered national securities exchange or a registered national or affiliated securities association for any act or omission to act constituting conduct inconsistent with just and equitable principles of trade;
- g. Has filed (as a registrant or issuer), or was named as an underwriter in, any registration statement or Regulation A offering statement filed with the federal

Securities Exchange Commission that, within the previous five years, was the subject of a refusal order, stop order, or order suspending the Regulation A exemption, or is the subject of an investigation or proceeding to determine whether a stop order or suspension order should be issued; or

- h. Is subject to a United States Postal Service false representation order entered with the previous five years, or is subject to a temporary restraining order or preliminary injunction with respect to conduct alleged by the United States Postal Service to constitute a scheme or device for obtaining money or property through the mail by means of false representations.

"Batch Number" means any distinct group of numbers, letters, or symbols, or any combination thereof, assigned by a Medical Marijuana Optional Premises Cultivation Operation or Medical Marijuana-Infused Products Manufacturer to a specific Harvest Batch or Production Batch of Medical Marijuana, or by a Retail Marijuana Cultivation Facility or Retail Marijuana Products Manufacturer to a specific Harvest Batch or Production Batch of Retail Marijuana.

"Beneficial Owner" includes the terms "beneficial ownership", or "beneficially owns" and means:

- a. any Person who, directly or indirectly, through any contract, arrangement, understanding, relationship, or otherwise has or shares:
- i. Voting power which includes the power to vote, or to direct the voting of, an Owner's Interest; and/or,
- ii. Investment power which includes the power to dispose, or to direct the disposition of, an Owner's Interest.
- b. Any Person who, directly or indirectly, creates or uses a trust, proxy, power of attorney, pooling arrangement or any other contract, arrangement, or device with the purpose or effect of divesting such Person of beneficial ownership of an Owner's Interest or preventing the vesting of such beneficial ownership as part of a plan or scheme to evade the reporting requirements of section 13(d) or (g) of the Securities Act of 1933 shall be deemed for purposes of such sections to be the beneficial owner of such Owner's Interest.
- c. All Owner's Interests of the same class beneficially owned by a Person, regardless of the form which such beneficial ownership takes, shall be aggregated in calculating the number of shares beneficially owned by such Person.
- d. Notwithstanding the provisions of paragraphs (a) and (c) of this rule:
- i.
- A. A Person shall be deemed to be the beneficial owner of an Owner's Interest, subject to the provisions of paragraph (b) of this rule, if that Person has the right to acquire beneficial ownership of such Owner's Interest, as defined in Rule 13d-3(a) (§ 240.13d-3(a)) within sixty days, including but not limited to any right to acquire: (1) Through the exercise of any option, warrant or right; (2) through the conversion of an Owner's Interest; (3) pursuant to the power to revoke a trust, discretionary account, or similar arrangement; or (4) pursuant to the automatic termination of a trust, discretionary account or similar arrangement; provided, however, any person who acquires an Owner's Interest or power specified in paragraphs (d)(i)(A)(1), (2) or (3), of this section, with the purpose or effect of changing or influencing the

control of the issuer, or in connection with or as a participant in any transaction having such purpose or effect, immediately upon such acquisition shall be deemed to be the beneficial owner of the Owner's Interests which may be acquired through the exercise or conversion of such Owner's Interests or power. Any Owner's Interests not outstanding which are subject to such options, warrants, rights or conversion privileges shall be deemed to be outstanding for the purpose of computing the percentage of outstanding Owner's Interests of the class owned by such Person but shall not be deemed to be outstanding for the purpose of computing the percentage of the class by any other Person.

B. Paragraph (d)(i)(A) of this section remains applicable for the purpose of determining the obligation to file with respect to the underlying Owner's Interests even though the option, warrant, right or convertible Owner's Interests is of a class of equity Owner's Interest, as defined in § 240.13d-1(i), and may therefore give rise to a separate obligation to file.

ii. A member of a national securities exchange shall not be deemed to be a beneficial owner of an Owner's Interest held directly or indirectly by it on behalf of another Person solely because such member is the record holder of such Owner's Interests and, pursuant to the rules of such exchange, may direct the vote of such Owner's Interests, without instruction, on other than contested matters or matters that may affect substantially the rights or privileges of the holders of the Owner's Interests to be voted, but is otherwise precluded by the rules of such exchange from voting without instruction.

iii. A person who in the ordinary course of his business is a pledgee of Owner's Interests under a written pledge agreement shall not be deemed to be the beneficial owner of such pledged Owner's Interests until the pledgee has taken all formal steps necessary which are required to declare a default and determines that the power to vote or to direct the vote or to dispose or to direct the disposition of such pledged Owner's Interests will be exercised, provided, that:

A. The pledgee agreement is bona fide and was not entered into with the purpose nor with the effect of changing or influencing the control of the issuer, nor in connection with any transaction having such purpose or effect, including any transaction subject to Rule 13d-3(b);

B. The pledgee is a Person specified in Rule 13d-1(b)(ii), including Persons meeting the conditions set forth in paragraph (G) thereof; and

C. The pledgee agreement, prior to default, does not grant to the pledgee;

1. The power to vote or to direct the vote of the pledged Owner's Interests; or

2. The power to dispose or direct the disposition of the pledged Owner's Interests, other than the grant of such power(s) pursuant to a pledge agreement under which credit is extended subject to regulation T (12 CFR 220.1

to 220.8) and in which the pledgee is a broker or dealer registered under section 15 of the Securities Act of 1933.

- iv. A Person engaged in business as an underwriter of Owner's Interests who acquires Owner's Interests through his participation in good faith in a firm commitment underwriting registered under the Securities Act of 1933 shall not be deemed to be the beneficial owner of such Owner's Interests until the expiration of forty days after the date of such acquisition.

"Blank Check Company" means an Entity that:

- a. Is a development stage company that has no specific business plan or purpose or has indicated that its business plan is to engage in a merger or acquisition with an unidentified company or companies, or other Entity or Person; and
- b. Is issuing Penny Stock.

"Cannabinoid" means any of the chemical compounds that are the active principles of marijuana.

"Centralized Distribution Permit" means a permit issued to an Optional Premises Cultivation Operation pursuant to section 44-11-403, C.R.S., or a Retail Marijuana Cultivation Facility pursuant to section 44-12-403, C.R.S., authorizing temporary storage of Medical Marijuana Concentrate and Medical Marijuana-Infused Product received from a Medical Marijuana-Infused Products Manufacturer or Retail Marijuana Concentrate and Retail Marijuana Product received from a Retail Marijuana Products Manufacturer for the sole purpose of Transfer to commonly owned Medical Marijuana Centers or Retail Marijuana Stores. For purposes of a Centralized Distribution Permit only, the term "commonly owned" means at least one natural person has a minimum of five percent ownership in both the Optional Premises Cultivation Operation possessing the Centralized Distribution Permit and the Medical Marijuana Center, or in both the Retail Marijuana Cultivation Facility possessing the Centralized Distribution Permit.

"Child-Resistant" means special packaging that is:

- a. Designed or constructed to be significantly difficult for children under five years of age to open and not difficult for normal adults to use properly as defined by 16 C.F.R. 1700.15 (1995) and 16 C.F.R. 1700.20 (1995). Note that this rule does not include any later amendments or editions to the Code of Federal Regulations. The Division has maintained a copy of the applicable federal regulations, which is available to the public;
- b. Opaque so that the packaging does not allow the product to be seen without opening the packaging material; and
- c. Resealable for any product intended for more than a single use or containing multiple servings.

"Commercially Reasonable Royalty" means a right to compensation in the form of a royalty payment for the use of intellectual property with a direct nexus to the cultivation, manufacture, Transfer, or testing of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product. A Commercially Reasonable Royalty must be limited to specific intellectual property the Commercially Reasonable Royalty holder owns or is otherwise authorized to license or to a product or line of products. A Commercially Reasonable Royalty must not cause reasonable consumer confusion or violate any federal copyright, trademark, or patent law or regulation. To determine whether the Commercially Reasonable Royalty is reasonable, the Division will consider the totality of the circumstances, including but not limited to the following factors:

- a. The percentage of royalties received by the recipient for the licensing of the intellectual property.
- b. The rates paid by the Licensee for the use of other intellectual property.
- c. The nature and scope of the license, as exclusive or non-exclusive; or as restricted or non-restricted in terms of territory or with respect to whom the product may be sold.
- d. The licensor's established policy and marketing program to maintain his intellectual property monopoly by not licensing others or by granting licenses under special conditions designed to preserve that monopoly.
- e. The commercial relationship between the recipient and Licensee, such as, whether they are competitors in the same territory in the same line of business.
- f. The effect of selling the intellectual property in promoting sales of other products of the Licensee; the existing value of the intellectual property to the recipient as a generator of sales of his non-intellectual property items; and the extent of such derivative sales.
- g. The duration of the term of the license for use of the intellectual property.
- h. The established or projected profitability of the product made using the intellectual property; its commercial success; and its current popularity.
- i. The utility and advantages of the intellectual property over products or businesses without the intellectual property.
- j. The nature of the intellectual property; the character of the commercial embodiment of it as owned and produced by the licensor; and the benefits to those who have used the intellectual property.
- k. The portion of the profit or of the selling price that may be customary in the particular business or in comparable businesses to allow for the use of the intellectual property.
- l. The portion of the realizable profit that should be credited to the intellectual property as distinguished from non-intellectual property elements, the manufacturing process, business risks, or significant features or improvements added by the Licensee.

"Container" means the receptacle directly containing Regulated Marijuana or Regulated Marijuana Product that is labeled according to the requirements in Rules M 1001-1 *et seq.* or Rules R 1001-1 *et seq.*

"Control" means the possession, direct or indirect, of the power to direct or cause the direction of the management or policies of a Person, whether through the ownership of voting Owner's Interests, by contract, or otherwise. This definition of Control includes Controls, Controlled, Controlling, Controlled by, and under common Control with.

"Controlling Beneficial Owner" means a Person that satisfies one or more of the following criteria:

- a. A natural person, an Entity that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia, a Publicly Traded Corporation, or a Qualified Private Fund that is not a Qualified Institutional Investor;

- i. Acting alone or Acting In Concert, that owns or Acquires Beneficial Ownership of ten percent or more of the Owner's Interest of a Regulated Marijuana Business;
- ii. That is an Affiliate that Controls a Regulated Marijuana Business and includes, without limitation, any Manager; or
- iii. That is otherwise in a position to Control the Regulated Marijuana Business except as authorized in section 44-11-407 or 44-12-407, C.R.S.; or
- b. A Qualified Institutional Investor acting alone or Acting In Concert that owns or Acquires Beneficial Ownership of more than thirty percent of the Owner's Interest of a Regulated Marijuana Business.
- c. Unless the context otherwise requires, the defined term Controlling Beneficial Owner includes Direct Beneficial Interest Owner.

"Court Appointee" means a Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person; acting in accordance with section 44-11-401(1.5), C.R.S., and these rules; and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

"Covered Securities" means:

- a. A Security designated as qualified for trading in the national market system pursuant to section 78k-1(a)(2) of the Securities Act of 1933 that is listed, or authorized for listing, on a national securities exchange (or tier or segment thereof); or a Security of the same issuer that is equal in seniority or that is a senior Security to a Security designated as qualified for trading in the national market system.
- b. A Security issued by an investment company that is registered, or that has filed a registration statement under the federal Investment Company Act of 1940.
- c. A Security as defined by the Federal Securities Exchange Commission by rule pursuant to 15 U.S.C. §77r(b)(3).
- d. A Security pursuant to 15 U.S.C. §77r(b)(4).

"Denied Applicant" means any Person whose application for licensure, permit, or registration pursuant to the Medical Code or the Retail Code has been denied, any Person whose application for a responsible vendor program has been denied, or any Licensee whose application for any of the following non-exhaustive list has been denied: An initial license application pursuant to Rule 220-1, a renewal application pursuant to Rule 225-1, the request for a finding of suitability pursuant to Rule 235-1, a change of owner pursuant to Rule 245-1, a change of location of the Licensed Premises pursuant to Rule 255-1, or a change, alteration, or modification of the Licensed Premises pursuant to Rule M 303 or Rule R 303; or a production management class increase application pursuant to Rule M 507 or Rule R 506.

"Department" means the Colorado Department of Revenue.

"Director" means the Director of the Marijuana Enforcement Division.

"Division" means the Marijuana Enforcement Division.

“Edible Medical Marijuana-Infused Product” means any Medical Marijuana-Infused Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

“Edible Retail Marijuana Product” means any Retail Marijuana Product for which the intended use is oral consumption, including but not limited to, any type of food, drink, or pill.

“Employee License” means a license granted by the State Licensing Authority pursuant to sections 44-11-401 or 44-12-401 to a natural person who is not a Controlling Beneficial Owner. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products, who is authorized to input data into a Regulated Marijuana Business’s Inventory Tracking System or point-of-sale system, or who has unescorted access in the Restricted Access Area or Limited Access Area must hold an Employee License. Employee License includes both Key Licenses and Support Licenses.

“Entity” means a domestic or foreign corporation, cooperative, general partnership, limited liability partnership, limited liability company, limited partnership, limited liability limited partnership, limited partnership association, nonprofit association, nonprofit corporation, or any other organization or association that is formed under a statute or common law of the state of Colorado or any other jurisdiction as to which the laws of this state of Colorado or the laws of any other jurisdiction governs relations among owners and between the owners and the organization or association and that is recognized under the laws of the state of Colorado or the other jurisdiction as a separate legal entity.

“Executive Officer” means the president, any vice president in charge of a principal business unit, division or function (such as sales, administration or finance), any other officer who performs a policy making function, or any other person who performs similar policy making functions for the Regulated Marijuana Business.

“Exit Package” means an Opaque bag or other similar Opaque covering provided at the point of sale, in which Regulated Marijuana or Regulated Marijuana Product already in a Container is placed. If Regulated Marijuana flower, trim, or seeds are placed into a Container that is not Child-Resistant, then the Exit Package must be Child-Resistant. The Exit Package is not required to be labeled in accordance with Rules R 1001-1 *et seq.*

“Fibrous Waste” means any roots, stalks, and stems from a Regulated Marijuana plant.

“Final Agency Order” means an Order of the State Licensing Authority issued in accordance with the Medical Code or the Retail Code and the State Administrative Procedure Act. The State Licensing Authority will issue a Final Agency Order following review of the Initial Decision and any exceptions filed thereto or at the conclusion of the declaratory order process. A Final Agency Order is subject to judicial review.

“Finished Marijuana” means post-harvest Medical Marijuana including flower and trim that has been harvested for more than 90 days or that has completed the curing and drying process according to the Optional Premises Cultivation Operation’s written standard operating procedures that were last submitted to the Division. Standard operating procedures for curing and drying may provide a curing and drying period that is longer than 90 days but any such period must be commercially reasonable and cannot exceed 12 months. Among other factors, the Division may consider the Optional Premises Cultivation Operation’s prior business years’ business transactions to determine whether the Optional Premises Cultivation Operation’s standard operating procedures are commercially reasonable.

“Flammable Solvent” means a liquid that has a flash point below 100 degrees Fahrenheit.

“Flowering” means the reproductive state of the Cannabis plant in which there are physical signs of flower or budding out of the nodes in the stem.

“Food-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of propylene glycol, glycerin, butter, olive oil or other typical cooking fats.

“Food-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of propylene glycol, glycerin, butter, olive oil, or other typical cooking fats.

“Foreign Private Issuer” means any foreign issuer other than a foreign government except an issuer meeting the following conditions as of the last business day of its most recently completed second fiscal quarter:

- a. More than 50 percent of the outstanding voting Securities of such issuer are directly or indirectly owned of record by residents of the United States; and
- b. Any of the following:
 - i. The majority of the executive officers or directors are United States citizens or residents;
 - ii. More than 50 percent of the assets of the issuer are located in the United States; or
 - iii. The business of the issuer is administered principally in the United States.

“Good Cause” for purposes of denial of an initial, renewal or reinstatement license, registration, or permit application or certification, or for purposes of discipline of a license or certification, means:

- a. The Licensee or Applicant has violated, does not meet, or has failed to comply with any of the terms, conditions, or provisions of the Medical Code, the Retail Code, any rules promulgated pursuant to the Medical Code or Retail Code, or any supplemental relevant state or local law, rule, or regulation;
- b. The Licensee or Applicant has failed to comply with any special terms or conditions that were placed upon the license pursuant to an order of the State Licensing Authority or the relevant local licensing authority; or
- c. The Licensee's or the Applicant's Licensed Premises have been operated in a manner that adversely affects the public health or welfare or the safety of the immediate neighborhood in which the establishment is located.

“Good Moral Character” means having a criminal history that demonstrates honesty, fairness, and respect for the rights of others and for the law.

“Harvest Batch” means a specifically identified quantity of processed Regulated Marijuana that is uniform in strain, cultivated utilizing the same Pesticide and other agricultural chemicals and harvested at the same time.

“Harvested Marijuana” means post-Flowering Retail Marijuana not including trim, concentrate, or waste that remains on the premises of the Retail Marijuana Cultivation Facility or its off-premises storage location beyond 60 days from harvest.

“Heat/Pressure-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of heat and/or pressure. The method of extraction may be used by only a Medical Marijuana-infused

Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Medical Marijuana Concentrate or Solvent-Based Medical Marijuana Concentrate.

“Heat/Pressure-Based Retail Marijuana Concentrate” means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of heat and/or pressure. This method of extraction may be used by only a Retail Marijuana Products Manufacturer and can be used alone or on a Production Batch that also includes Water-Based Retail marijuana Concentrate or Solvent-Based Retail Marijuana Concentrate.

“Identification Badge” means a physical badge issued to any natural person possessing an Owner License or Employee License, used to verify the identity of the natural persons on the Licensed Premises of a Regulated Marijuana Business.

“Identity Statement” means the name of the business as it is commonly known and used in any Advertising.

“Immature plant” means a nonflowering Regulated Marijuana plant that is no taller than eight inches and no wider than eight inches produced from a cutting, clipping or seedling and that is in a growing container that is no larger than two inches wide and two inches tall that is sealed on the sides and bottom. Plants meeting these requirements are not attributable to a Licensee’s maximum allowable plant count, but must be fully accounted for in the Inventory Tracking System.

“Indirect Financial Interest Holder” means a Person that is not an Affiliate, a Controlling Beneficial Owner, or a Passive Beneficial Owner of a Regulated Marijuana Business and that:

- a. Holds a Commercially Reasonable Royalty in exchange for a Regulated Marijuana Business’s use of the Person’s intellectual property;
- b. Holds a Permitted Economic Interest that was issued prior to January 1, 2020, and that has not been converted into an Owner’s Interest or holds any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business obtained after January 1, 2020;
- c. Is a contract counterparty with a Regulated Marijuana Business, other than a customary employment agreement, that has a direct nexus to the cultivation, manufacture, sale, or testing of Regulated Marijuana, including, but not limited to, a lease of real property on which the Regulated Marijuana Business operates, a lease of equipment used in the cultivation, manufacture, or testing of Regulated Marijuana, a secured or unsecured financing agreement with the Regulated Marijuana Business, a security contract with the Regulated Marijuana Business, or a management agreement with the Regulated Marijuana Business, provided that no such contract compensates the contract counterparty with a percentage of revenue for profits of the Regulated Marijuana Business.
- d. Unless the context otherwise requires, the defined term Indirect Financial Interest Holder includes Indirect Beneficial Interest Owner.

“Industrial Fiber Products” means intermediate or finished products made from Fibrous Waste that are not intended for human or animal consumption and are not usable or recognizable as Regulated Marijuana. Industrial Fiber Products include, but are not limited to, cordage, paper, fuel, textiles, bedding, insulation, construction materials, compost materials, and industrial materials.

“Industrial Fiber Products Producer” means a Person who produces Industrial Fiber Products using Fibrous Waste.

"Industrial Hemp" means a plant of the genus Cannabis and any part of the plant, whether growing or not, containing a delta-9 tetrahydrocannabinol (THC) concentration of no more than three-tenths of one percent (0.3%) on a dry weight basis.

"Industrial Hygienist" means a natural person who has obtained a baccalaureate or graduate degree in industrial hygiene, biology, chemistry, engineering, physics, or a closely related physical or biological science from an accredited college or university.

- a. The special studies and training of such persons must be sufficient in the cognate sciences to provide the ability and competency to:
 - i. Anticipate and recognize the environmental factors and stresses associated with work and work operations and to understand their effects on individuals and their well-being;
 - ii. Evaluate on the basis of training and experience and with the aid of quantitative measurement techniques the magnitude of such environmental factors and stresses in terms of their ability to impair human health and well-being;
 - iii. Prescribe methods to prevent, eliminate, control, or reduce such factors and stresses and their effects.
- b. Any person who has practiced within the scope of the meaning of industrial hygiene for a period of not less than five years immediately prior to July 1, 1997, is exempt from the degree requirements set forth in the definition above.
- c. Any person who has a two-year associate of applied science degree in environmental science from an accredited college or university and in addition not less than four years practice immediately prior to July 1, 1997, within the scope of the meaning of industrial hygiene is exempt from the degree requirements set forth in the definition above.

"Ineligible Issuer" means:

- a. Any issuer that is required to file reports pursuant to section 13 or 15(d) of the Securities Exchange Act of 1934 that has not filed all reports and other materials required to be filed during the preceding 12 months, other than reports on Form 8-K required solely pursuant to an item specified in General Instruction I.A.3(b) of Form S-3;
- b. The issuer is, or during the past three years the issuer or any of its predecessors was:
 - i. A Blank Check Company;
 - ii. A Shell Company;
 - iii. An issuer of an offering of Penny Stock;
- c. The issuer is a limited partnership that is offering and selling its Securities other than through a firm commitment underwriting;
- d. Within the past three years, a petition under the federal bankruptcy laws or any state insolvency law was filed by or against the issuer, or a court appointed a receiver, fiscal agent or similar officer with respect to the business or property of the issuer subject to the following:

- i. In the case of an involuntary bankruptcy in which a petition was filed against the issuer, ineligibility will occur upon the earlier to occur of:
 - A. 90 days following the date of the filing of the involuntary petition (if the case has not been earlier dismissed); or
 - B. The conversion of the case to a voluntary proceeding under federal bankruptcy or state insolvency laws; and
- ii. Ineligibility will terminate if an issuer has filed an annual report with audited financial statements subsequent to its emergence from that bankruptcy, insolvency, or receivership process;
- e. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was convicted of any felony or misdemeanor described in paragraphs (i) through (iv) of section 15(b)(4)(B) of the Securities Exchange Act of 1934;
- f. Within the past three years, the issuer or any Entity that at the time was a subsidiary of the issuer was made the subject of any judicial or administrative decree or order arising out of a governmental action that:
 - i. Prohibits certain conduct or activities regarding, including future violations of, the anti-fraud provisions of the federal securities laws;
 - ii. Requires that the Person cease and desist from violating the anti-fraud provisions of the federal securities laws; or
 - iii. Determines that the Person violated the anti-fraud provisions of the federal securities laws;
- g. The issuer has filed a registration statement that is the subject of any pending proceeding or examination under section 8 of the Securities Act of 1933 or has been the subject of any refusal order or stop order under section 8 of the Securities Act of 1933 within the past three years; or
- h. The issuer is the subject of any pending proceeding under section 8A of the Securities Act of 1933 in connection with an offering.

"Initial Decision" means a decision of a hearing officer in the Department following a licensing, disciplinary, or other administrative hearing.

"Inventory Tracking System" means the required seed-to-sale tracking system that tracks Regulated Marijuana from either the seed or immature plant stage until the Regulated Marijuana or Regulated Marijuana Product is sold to a patient at a Medical Marijuana Center, sold to a consumer at a Retail Marijuana Store, Transferred to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility, Transferred to a Sampling Manager, Transferred to an Industrial Fiber Products Producer, Transferred to a Medical Research Facility, Transferred to a Pesticide Manufacturer, destroyed by a Regulated Marijuana Business, or used in a Research Project by a Licensed Research Business.

"Inventory Tracking System Trained Administrator" means an Owner Licensee of a Regulated Marijuana Business or an Employee Licensee employed by a Regulated Marijuana Business, each of whom has attended and successfully completed Inventory Tracking System training and has completed any additional training required by the Division.

“Inventory Tracking System User” means an Owner Licensee of a Regulated Marijuana Business or an Employee Licensee employed by a Regulated Marijuana Business who is granted Inventory Tracking System User account access for the purposes of conducting inventory tracking functions in the Inventory Tracking System. Each Inventory Tracking System User must have been successfully trained by Inventory Tracking System Trained Administrator(s) in the proper and lawful use of the Inventory Tracking System, and who has completed any additional training required by the Division.

“Key License” means an Employee License for a natural person who performs duties that are central to the Regulated Marijuana Business’ operation. A person holding a Key License has the highest level of responsibility. An example of a Key Licensee includes, but is not limited to, managers.

“Kief” means the resinous crystal-like trichomes that are found on Regulated Marijuana flower and that are accumulated, resulting in a higher concentration of cannabinoids.

“Licensed Premises” means the premises specified in an application for a license pursuant to the Medical Code or Retail Code that are owned or in possession of the Licensee and within which the Licensee is authorized to cultivate, manufacture, distribute, sell, store, transport, test, or research Medical Marijuana in accordance with the provisions of the Medical Code, or to cultivate, manufacture, distribute, sell, store, transport, or test Retail Marijuana in accordance with the provision of the Retail Code, and these rules. Not all areas of the Licensed Premises are Limited Access Areas or Restricted Access Areas.

“Licensed Research Business” means a Marijuana Research and Development Facility or a Marijuana Research and Development Cultivation.

“Licensee” means any Person licensed, registered, or permitted pursuant to the Medical Code or Retail Code, including an Owner Licensee and an Employee Licensee.

“Limited Access Area” means a building, room, or other contiguous area upon the Licensed Premises where Regulated Marijuana is grown, cultivated, stored, weighed, packaged, Transferred, or processed for Transfer, under control of the Licensee.

“Limit of Detection” or “LOD” means the lowest quantity of a substance that can be distinguished from the absence of that substance (a blank value) within a stated confidence limit (generally 1%).

“Limit of Quantitation” or “LOQ” means the lowest concentration at which the analyte can not only be reliably detected but at which some predefined goals for bias and imprecision are met.

“Liquid Edible Medical Marijuana-Infused Product” means an Edible Medical Marijuana-Infused Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

“Liquid Edible Retail Marijuana Product” means an Edible Retail Marijuana Product that is a liquid beverage or liquid food-based product for which the intended use is oral consumption, such as a soft drink or cooking sauce.

“Manager” means:

- a. A member of a limited liability company in which management is not vested in managers rather than members;
- b. A manager of a limited liability company in which management is vested in managers rather than members;

- c. A member of a limited partnership association in which management is not vested in managers rather than members;
- d. A manager of a limited partnership association in which management is vested in managers rather than members;
- e. A general partner;
- f. An officer or director of a corporation, a nonprofit corporation, a cooperative, or a limited partnership association; or
- g. Any Person whose position with respect to an Entity, as determined under the constituent documents and organic statutes of the Entity, without regard to the Person's title, is the functional equivalent of any of the positions described in this definition.

"Marijuana-Based Workforce Development Training Program" means a program designed to train individuals to work in the legal Medical or Retail Marijuana industry operated by an entity licensed under the Medical Code and/or the Retail Code or by a school that is authorized by the Division of Private Occupational Schools.

"Marketing Layer" means that packaging in addition to the Container that is the outermost layer visible to the consumer at the point of sale. The Marketing Layer is optional, but if used by a Licensee in addition to the required Container, it must be labeled according to the requirements in Rules M 1001-1 *et seq.*, or Rules R 1001-1 *et seq.*

"Marijuana Research and Development Cultivation" means a Person that is licensed pursuant to the Medical Code to grow, cultivate, and possess Medical Marijuana, and to Transfer Medical Marijuana to a Medical Research and Development Facility or another Medical Research and Development Cultivation, all for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Cultivation is a Licensed Research Business.

"Marijuana Research and Development Facility" means a Person that is licensed pursuant to the Medical Code to possess Medical Marijuana for limited research purposes authorized pursuant to section 44-11-408, C.R.S. A Marijuana Research and Development Facility is a Licensed Research Business.

"Material Change" means any change that would require a substantive revision to a Regulated Marijuana Business's standard operating procedures for the cultivation of Regulated Marijuana or the production of a Regulated Marijuana- Product.

"Medical Code" means the Colorado Medical Marijuana Code found at sections 44-11-101 *et seq.*, C.R.S.

"Medical Marijuana" means marijuana that is grown and sold pursuant to the Medical Code and includes seeds and Immature Plants. Unless the context otherwise requires, Medical Marijuana Concentrate is considered Medical Marijuana and is included in the term Medical Marijuana as used in these rules.

"Medical Marijuana Business" means a licensed Medical Marijuana Center, a Medical Marijuana-Infused Products Manufacturer, an Optional Premises Cultivation Operation, a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator, a Medical Marijuana Transporter, a Marijuana Research and Development Facility, or a Marijuana Research and Development Cultivation.

"Medical Marijuana Business Operator" means an entity that holds a registration, license, or permit from the State Licensing Authority to provide professional operational services to one or more Medical Marijuana Businesses, other than Licensed Research Businesses, for direct remuneration from the Medical Marijuana Business(es), which may include compensation based upon a percentage of the profits of the Medical Marijuana Business(es) being operated. A Medical Marijuana Business Operator may contract with Medical Marijuana Business(es) to provide operational services. A Medical Marijuana Business Operator's contract with a Medical Marijuana Business does not in and of itself constitute ownership. The Medical Code and rules apply to all Medical Marijuana Business Operators regardless of whether such operator holds a registration or license. Any reference to "license" or "licensee" means "registration" or "registrant" when applied to a Medical Marijuana Business Operator that holds a registration issued by the State Licensing Authority.

"Medical Marijuana Center" means a Person that is licensed pursuant to the Medical Code to operate a business as described in section 44-11-402, C.R.S., and that sells Medical Marijuana to registered patients or primary caregivers as defined in Article XVIII, Section 14 of the Colorado Constitution, but is not a primary caregiver.

"Medical Marijuana Concentrate" means a specific subset of Medical Marijuana that was produced by extracting Cannabinoids from Medical Marijuana. Categories of Medical Marijuana Concentrate include Water-Based Medical Marijuana Concentrate, Food-Based Medical Marijuana Concentrate, Solvent-Based Medical Marijuana Concentrate, and Heat/Pressure-Based Medical Marijuana Concentrate.

"Medical Marijuana-Infused Product" means a product infused with Medical Marijuana that is intended for use or consumption other than by smoking, including but not limited to edible products, ointments, and tinctures. Such products shall not be considered a food or drug for purposes of the "Colorado Food and Drug Act," part 4 of Article 5 of Title 25, C.R.S.

"Medical Marijuana-Infused Products Manufacturer" means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-404, C.R.S.

"Medical Marijuana Testing Facility" means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product.

"Medical Marijuana Transporter" means a Person that is licensed to transport Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product from one Medical Marijuana Business to another Medical Marijuana Business or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Medical Marijuana and Medical Marijuana-Infused Product at its licensed premises, but is not authorized to sell, give away, buy, or receive complimentary Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product under any circumstances. A Medical Marijuana Transporter does not include a Licensee that transports its own Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product.

"Medical Research Facility" means a Person approved and grant-funded by the State Board of Health pursuant to section 25-1.5-106.5, C.R.S., to conduct Medical Marijuana research. A Medical Marijuana Research Facility is neither a Regulated Marijuana Business nor a Licensee.

"Monitoring" means the continuous and uninterrupted attention to potential alarm signals that could be transmitted from a Security Alarm System located at a Regulated Marijuana Business Licensed Premises, for the purpose of summoning a law enforcement officer to the premises during alarm conditions.

"Monitoring Company" means a Person in the business of providing Monitoring services for a Regulated Marijuana Business.

“Multiple-Serving Edible Retail Marijuana Product” means an Edible Retail Marijuana Product unit for sale to consumers containing more than 10mg of active THC and no more than 100mg of active THC. If the overall Edible Retail Marijuana Product unit for sale to the consumer consists of multiple pieces where each individual piece may contain less than 10mg active THC, yet in total all pieces combined within the unit for sale contain more than 10mg of active THC, then the Edible Retail Marijuana Product will be considered a Multiple-Serving Edible Retail Marijuana Product.

“Non-objecting Beneficial Owner” means a Beneficial Owner who gives permission to a financial intermediary to release their name and address to the company(ies) or issuer(s) in which they have bought Securities.

“Notice of Denial” means a written statement from the State Licensing Authority, articulating the reasons or basis for denial of a license application.

“Opaque” means that the packaging does not allow the product to be seen without opening the packaging material.

“Optional Premises Cultivation Operation” means a Person licensed pursuant to the Medical Code to operate a business as described in section 44-11-403, C.R.S.

“Order to Show Cause” means a document from the State Licensing Authority alleging the grounds for imposing discipline against a Licensee’s license.

“Owner’s Interest” means the shares of stock in a corporation, a membership in a nonprofit corporation, a membership interest in a limited liability company, the interest of a member in a cooperative or in a limited cooperative association, a partnership interest in a limited partnership, a partnership interest in a partnership, and the interest of a member in a limited partnership association.

“Owner License” means a license issued to a Person who is a Controlling Beneficial Owner of a Regulated Marijuana Business or who is a Passive Beneficial Owner electing to be subject to licensure.

“Passive Beneficial Owner” means any Person Acquiring any Owner’s Interest in a Regulated Marijuana Business that is not otherwise a Controlling Beneficial Owner or in Control.

“Penny Stock” means any equity security other than a Security:

a. That is an National Market System stock, provided that:

i. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange that has been continuously registered as a national securities exchange since April 20, 1992; and the national securities exchange has maintained quantitative listing standards that are substantially similar to or stricter than those listing standards that were in place on that exchange on January 8, 2004; or

ii. The Security is registered, or approved for registration upon notice of issuance, on a national securities exchange, or is listed, or approved for listing upon notice of issuance on, an automated quotation system sponsored by a registered national securities association, that:

A. Has established initial listing standards that meet or exceed the following criteria:

1. The issuer shall have: (a) stockholders' equity of \$5,000,000; (b) market value of listed Securities of \$50 million for 90 consecutive days prior to applying for a listing (market value means the closing bid price multiplied by the number of Securities listed); or (c) net income of \$750,000 (excluding non-recurring items) in the most recently completed fiscal year or in two of the last three most recently completed fiscal years;
2. The issuer shall have an operating history of at least one year or a market value of listed Securities of \$50 million (market value means the closing bid price multiplied by the number of Securities listed);
3. The issuer's stock, common or preferred, shall have a minimum bid price of \$4 per share;
4. In the case of common stock, there shall be at least 300 round lot holders of the Security (a round lot holder means a holder of a normal unit of trading);
5. In the case of common stock, there shall be at least 1,000,000 publicly held shares and such shares shall have a market value of at least \$5 million (market value means the closing bid price multiplied by the number of publicly held shares, and shares held directly or indirectly by an officer or director of the issuer and by any Person who is the Beneficial Owner of more than 10 percent of the total shares outstanding are not considered to be publicly held);
6. In the case of a convertible debt security, there shall be a principal amount outstanding of at least \$10 million;
7. In the case of rights and warrants, there shall be at least 100,000 issued and the underlying security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;
8. In the case of put warrants (that is, instruments that grant the holder the right to sell to the issuing company a specified number of shares of the company's common stock, at a specified price until a specified period of time), there shall be at least 100,000 issued and the underlying Security shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the requirements of paragraphs (a) or (e) of this definition;
9. In the case of units (that is, two or more Securities traded together), all component parts shall be registered on a national securities exchange or listed on an automated quotation system sponsored by a registered national securities association and shall satisfy the

requirements of paragraphs (a) or (e) of this definition;
and

10. In the case of equity Securities (other than common and preferred stock, convertible debt securities, rights and warrants, put warrants, or units), including hybrid products and derivative products, the national securities exchange or registered national securities association shall establish quantitative listing standards that are substantially similar to those found in paragraph (a)(ii) of this definition; and

B. Has established quantitative continued listing standards that are reasonable related to the initial listing standards set forth in paragraph (a)(ii) of this definition, and that are consistent with the maintenance of fair and orderly markets;

b. That is issued by an investment company registered under the Federal Investment Company Act of 1940;

c. That is a put or call option issued by the Options Clearing Corporation;

d. That has a price of five dollars or more;

i. For purposes of this paragraph (d):

A. A Security has a price of five dollars or more for a particular transaction if the Security is purchased or sold in that transaction at a price of five dollars or more, excluding any broker or dealer commission, commission equivalent, mark-up, or mark-down; and

B. Other than in connection with a particular transaction, a Security has a price of five dollars or more at a given time if the inside bid quotation is five dollars or more; provided, however, that if there is no such inside bid quotation, a Security has a price of five dollars or more at a given time if the average of three or more interdealer bid quotations at specified prices displayed at that time in an interdealer quotation system, by three or more market makers in the Security, is five dollars or more.

C. The term "inside bid quotation" shall mean the highest bid quotation for the Security displayed by a market maker in the Security on an automated interdealer quotation system that has the characteristics set forth in section 17B(b)(2) of the Federal Securities Exchange Act of 1934, or such other automated interdealer quotation system designated by the Federal Securities Exchange Commission for purposes of this definition, at any time in which at least two market makers are contemporaneously displaying on such system bid and offer quotation for the Security at specified prices.

ii. If a Security is a unit composed of one or more Securities, the unit price divided by the number of shares of the unit that are not warrants, options, rights, or similar Securities must be five dollars or more as determined in accordance with paragraph (d)(i), and any share of the unit that is a warrant, option, right, or similar security, or a convertible

security, must have an exercise price or conversion price of five dollars or more;

- e. That is registered, or approved for registration upon notice of issuance, on a national securities exchange that makes transaction reports available provided that:
 - i. Price and volume of information with respect to transactions in that security is required to be reported on a current and continuing basis and is made available to vendors of market information pursuant to the rules of the national securities exchange;
 - ii. The Security is purchased or sold in a transaction that is effected on or through the facilities of the national securities exchange, or that is part of the distribution of the Security; and
 - iii. The Security satisfies the requirements of paragraphs (a)(i) or (a)(ii);
- f. That is a security futures product listed on a national securities exchange or an automated quotation system sponsored by a registered national securities association; or
- g. Whose issuer has:
 - i. Net tangible assets in excess of \$2,000,000, if the issuer has been in continuous operation for at least three years, or \$5,000,000 if the issuer has been in continuous operation for less than three years; or
 - ii. Average revenue of at least \$6,000,000 for the last three years.

“Permitted Economic Interest” means an any unsecured convertible debt option, option agreement or warrant that establishes a right for a Person to obtain an interest that might convert to an ownership interest in a Regulated Marijuana Business issued prior to January 1, 2020 where the holder is a natural person who is a lawful United States resident and whose right to convert into an ownership interest is contingent on the holder qualifying as a Controlling Beneficial Owner or Passive Beneficial Owner under the Retail Code or Medical Code. This definition is repealed effective January 1, 2020.

“Person” means a natural person, an estate, a trust, an Entity, or a state or other jurisdiction.

“Pesticide” means any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any pest or any substance or mixture of substances intended for use as a plant regulator, defoliant or desiccant; except that the term “pesticide” does not include any article that is a “new animal drug” as designated by the United States Food and Drug Administration.”

“Pesticide Manufacturer” means a Person who: (1) manufactures, prepares, compounds, propagates, or processes any Pesticide or device or active ingredient used in producing a Pesticide; (2) who possesses an establishment number with the U.S. Environmental Protection Agency pursuant to the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. §§ 136 *et seq.*; (3) who conducts research to establish safe and effective protocols, including but not limited to establishing efficacy and toxicity, for the use of Pesticides on Regulated Marijuana; (4) who has applied for and received any necessary license, registration, certifications, or permits from the Colorado Department of Agriculture pursuant to the Pesticide Act, section 35-9-101 *et seq.*, C.R.S., and/or the Pesticide Applicators’ Act, sections 35-10-101 *et seq.*, C.R.S.; (5) who is authorized to conduct business in the State of Colorado; and (6) who has physical possession of the location in the State of Colorado where its research activities occur. A Pesticide Manufacturer is neither a Regulated Marijuana Business nor a Licensee.

"Production Batch" means (a) any amount of Medical Marijuana Concentrate or Retail Marijuana Concentrate of the same category and produced using the same extraction methods, standard operating procedures and an identical group of Harvest Batch(es) of Medical Marijuana or Retail Marijuana; or (b) any amount of Medical Marijuana Product or Retail Marijuana Product of the same exact type, produced using the same ingredients, standard operating procedures and the same Production Batch(es) of Medical Marijuana Concentrate or Retail Marijuana Concentrate.

"Professional Engineer" means a natural person who is licensed by the State of Colorado as a professional engineer pursuant to sections 12-25-101 *et seq.*, C.R.S.

"Proficiency Testing" means an assessment of the performance of a Medical Marijuana Testing Facility's or Retail Marijuana Testing Facility's methodology and processes. Proficiency Testing is also known as inter-laboratory comparison. The goal of Proficiency Testing is to ensure results are accurate, reproducible, and consistent.

"Propagation" means the reproduction of Regulated Marijuana plants by seeds, cuttings or grafting.

"Public Institution", for purposes of the 1900 Series, means any entity established or controlled by the federal government, a state government, or a local government or municipality, including but not limited to institutions of higher education or public higher education research institutions.

"Public Money", for purposes of the 1900 Series, means any funds or money obtained by the holder from any governmental entity, including but not limit to research grants.

"Publicly Traded Corporation" means any Person other than an individual that is organized under the laws of and for which its principal place of business is located in one of the states or territories of the United States or District of Columbia or another country that authorizes the sale of marijuana that:

- a. Has a class of Securities registered pursuant to section 12 of the Securities Exchange Act of 1934, as amended, that:
 - i. Constitutes Covered Securities; or
 - ii. Is qualified and quoted on the OTCQX or OTCQB tier of the OTC markets if:
 - A. The Person is then required to file reports and is filing reports on a current basis with the Federal Securities Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities; and
 - B. The Person has established and is in compliance with corporate governance measures pursuant to corporate governance obligations imposed on Securities qualified and quoted on the OTCQX tier of the OTC markets.
- b. Is an Entity that has a class of Securities listed on the Canadian Securities Exchange, Toronto Stock Exchange, TSX Venture Exchange, or NEO Exchange, if:
 - i. The Entity constitutes a Foreign Private Issuer whose Securities are exempt from registration pursuant to section 12 of the Federal Securities Exchange Act of 1934, as amended, pursuant to Rule 12g3-2(b)

promulgated pursuant to the federal Securities Exchange Act of 1934, as amended; and

ii. The Entity has been, for the preceding three hundred sixty-five days or since the formation of the Entity, in compliance with all governance and reporting obligations imposed by the relevant exchange on such Entity; or

c. Publicly Traded Corporation does not include:

i. An Ineligible Issuer, unless such Publicly Traded Corporation satisfies the definition of Ineligible Issuer solely because it is one or more of the following, and the Person is filing reports on a current basis with the Federal Securities and Exchange Commission pursuant to the Federal Securities Exchange Act of 1934, as amended, as if the Securities constituted Covered Securities, and prior to becoming a Publicly Traded Corporation, the Person for at least two years was licensed by the State Licensing Authority as a Regulated Marijuana Business with a demonstrated history of operations in the state of Colorado, and during such time was not subject to suspension or revocation of the business license:

A. a Blank Check Company;

B. an issuer in an offering of Penny Stock; or

C. a Shell Company.

ii. A Person disqualified as a Bad Actor.

“Qualified Institutional Investor” means:

a. A bank as defined in Section 3(a) (6) of the Federal Securities Exchange Act of 1934, as amended, if the bank is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;

b. A bank holding company as defined in the Federal Bank Holding Company Act of 1956, as amended, if the bank holding company is registered and current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;

c. An insurance company as defined in Section 2(a) (17) of the Federal Investment Company Act of 1940, as amended, if the insurance company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;

d. An investment company registered under Section 8 of the Federal Investment Company Act of 1940, as amended, and subject to 15 U.S.C. Sec. 80a-1 to 80a-64, if the investment company is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder;

e. An employee benefit plan or pension fund subject to the Federal Employee Retirement Income Security Act of 1974, excluding an employee benefit plan or pension fund sponsored by a licensee or an intermediary or holding company licensee which directly or indirectly owns ten percent or more of a licensee;

f. A state or federal government pension plan; or

g. A group comprised entirely of persons specified in (a) through (g) of this definition.

“Qualified Private Fund” means an issuer that would be an investment company, as defined in section 3 of the Federal Investment Company Act of 1940, but for the exclusions provided under sections 3(c)(1) or 3(c)(7) of that Act, and that:

- a. Is advised or managed by an investment adviser as defined and registered under sections 80b-1-21, title 15 of the Federal Investment Advisors Act of 1940, and for which the registered investment adviser is current in all applicable reporting and record-keeping requirements under such act and rules promulgated thereunder; and
- b. Satisfies one or more of the following:
 - i. Is organized under the law of a state or the United States;
 - ii. Is organized, operated, or sponsored by a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended; or
 - iii. Sells Securities to a U.S. person, as defined under subsection 17 CFR 230.902(k), as amended.

“R&D Co-Location Permit” means a permit issued to a Licensed Research Business authorizing it to co-locate with a commonly owned Medical Marijuana-Infused Products Manufacturer, Retail Marijuana Products Manufacturing Facility, Optional Premises Cultivation Operation, or Retail Marijuana Cultivation Facility pursuant to Rule M 1901. A separate R&D Co-Location Permit is required for each location at which a Licensed Research Business seeks to share a single Licensed Premises.

“Reasonable Cause” means just or legitimate grounds based in law and in fact to believe that the particular requested action furthers the purposes of the Medical Code and Retail Code or protects the public safety.

“Regulated Marijuana” means Medical Marijuana and Retail Marijuana. If the context requires, Regulated Marijuana includes Medical Marijuana Concentrate, Medical Marijuana-Infused Products, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Regulated Marijuana Business” means Medical Marijuana Businesses and Retail Marijuana Establishments.

“Regulated Marijuana Products” means Medical Marijuana-Infused Products and Retail Marijuana Products.

“Remediation” means the process by which Regulated Marijuana flower or trim, which has failed microbial testing, is processed into Solvent-Based Medical Marijuana Concentrate, or into Solvent-Based Retail Marijuana Concentrate, and retested as required by these rules.

“Resealable” means that the Container maintains its Child-Resistant effectiveness for multiple openings.

“Research Project” means a discrete scientific endeavor to answer a research question or a set of research questions. A Research Project must include a description of a defined protocol, clearly articulated goal(s), defined methods and outputs, and a defined start and end date. The description must demonstrate that the Research Project will comply with all requirements in the M 1900 Series. All research and development conducted by a Licensed Research Business must be conducted in furtherance of an approved Research Project.

“Respondent” means a person who has filed a petition for declaratory order that the State Licensing Authority has determined needs a hearing or legal argument or a Licensee who is subject to an Order to Show Cause.

“Responsible Vendor Program Provider” means a Person offering an Approved Training Program, in accordance with sections 44-11-1101, C.R.S., to Licensees seeking to be designated a responsible vendor.

“Restricted Access Area” means a designated and secure area within a Licensed Premises in 1) a Medical Marijuana Center where Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product are sold, possessed for sale, and displayed for sale, and where no one without a valid patient registry card is permitted, and 2) in a Retail Marijuana Store where Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product are sold, possessed for sale, and displayed for sale, and where no one under the age of 21 is permitted..

“Retail Code” means the Colorado Retail Marijuana Code, found at sections 44-12-101 *et seq.*, C.R.S.

“Retail Marijuana” means all parts of the plant of the genus cannabis whether growing or not, the seeds thereof, the resin extracted from any part of the plant, and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds, or its resin, including but not limited to Retail Marijuana Concentrate that is cultivated, manufactured, distributed, or sold by a licensed Retail Marijuana Establishment. “Retail Marijuana” does not include industrial hemp, nor does it include fiber produced from stalks, oil, or cake made from the seeds of the plant, sterilized seed of the plant which is incapable of germination, or the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink, or other product. Unless the context otherwise requires, Retail Marijuana Concentrate is considered Retail Marijuana and is included in the term “Retail Marijuana” as used in these rules.

“Retail Marijuana Concentrate” means a specific subset of Retail Marijuana that was produced by extracting Cannabinoids from Retail Marijuana. Categories of Retail Marijuana Concentrate include Water-Based Retail Marijuana Concentrate, Food-Based Retail Marijuana Concentrate, Solvent-Based Retail Marijuana Concentrate, and Heat/Pressure-Based Retail Marijuana Concentrate.

“Retail Marijuana Cultivation Facility” means an entity licensed to cultivate, prepare, and package Retail Marijuana and Transfer Retail Marijuana to Retail Marijuana Establishments, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Establishment” means a Retail Marijuana Store, a Retail Marijuana Cultivation Facility, a Retail Marijuana Products Manufacturing Facility, a Retail Marijuana Testing Facility, a Retail Marijuana Establishment Operator, or a Retail Marijuana Transporter.

“Retail Marijuana Establishment Operator” means an entity that holds a license from the State Licensing Authority to provide professional operational services to one or more Retail Marijuana Establishments for direct remuneration from the Retail Marijuana Establishment(s), which may include compensation based upon a percentage of the profits of the Retail Marijuana Establishment(s) being operated. A Retail Marijuana Establishment Operator contracts with Retail Marijuana Establishment(s) to provide operational services. A Retail Marijuana Establishment Operator’s contract with a Retail Marijuana Establishment does not in and of itself constitute ownership.

“Retail Marijuana Product” means a product that is comprised of Retail Marijuana and other ingredients and is intended for use or consumption, such as, but not limited to, edible product, ointments and tinctures.

“Retail Marijuana Products Manufacturing Facility” means an entity licensed to purchase Retail Marijuana; manufacture, prepare, and package Retail Marijuana Product; and Transfer Retail

Marijuana and Retail Marijuana Product to other Retail Marijuana Products Manufacturing Facilities, Retail Marijuana Stores, Medical Research Facilities, and Pesticide Manufacturers, but not to consumers.

“Retail Marijuana Store” means an entity licensed to purchase Retail Marijuana from a Retail Marijuana Cultivation Facility and to purchase Retail Marijuana Product from a Retail Marijuana Products Manufacturing Facility and to Transfer Retail Marijuana and Retail Marijuana Product to consumers.

“Retail Marijuana Testing Facility” means a public or private laboratory licensed and certified, or approved by the Division, to conduct testing and research on Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products.

“Retail Marijuana Transporter” means a Person that is licensed to transport Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products from one Retail Marijuana Establishment to another Retail Marijuana Establishment or to a Medical Research Facility or Pesticide Manufacturer, and to temporarily store the transported Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Products at its Licensed Premises, but is not authorized to sell, give away, buy, or receive complimentary Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products under any circumstances. A Retail Marijuana Transporter does not include a Licensee that transports and distributes its own Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.

“RFID” means Radio Frequency Identification.

“Sample” means any item collected from a Regulated Marijuana Business and provided to a Medical Marijuana Testing Facility or Retail Marijuana Testing Facility for testing. The following is a non-exhaustive list of types of Samples: Medical Marijuana, Medical Marijuana-Infused Product, Medical Marijuana Concentrate, Retail Marijuana, Retail Marijuana Concentrate, Retail Marijuana Product, soil, growing medium, water, solvent or swab of a counter or equipment.

“Sampling Manager” means an Owner Licensee or Key Licensee designated by an Optional Premises Cultivation Operation, a Medical Marijuana-Infused Products Manufacturer, a Retail Marijuana Cultivation Facility, or a Retail Marijuana Products Manufacturer to receive Transfers of Sampling Units pursuant to Rules M 508 and 606, and Rules R 507 and 606.

“Sampling Unit” means a unit of Regulated Marijuana or Regulated Marijuana Products to a Sampling Manager for purposes of quality control and product development pursuant to Rules M 508 and 606, sections 44-11-403(4) and 44-11-404(12), C.R.S., and Rules R 507 and 606, sections 44-12-403(6) and 44-12-404(10), C.R.S.

“Security(ies)” means any note, stock, treasury stock, security future, security-based swap, bond, debenture, evidence of indebtedness, certificate of interest or participation in any profit-sharing agreement, collateral-trust certificate, preorganization certificate or subscription, transferable share, investment contract, voting-trust certificate, certificate of deposit for a security, fractional undivided interest in oil, gas, or other mineral rights, any put, call, straddle, option, or privilege on any security, certificate of deposit, or group index of securities (including any interest therein or based on the value thereof), or any put, call, straddle, option, or privilege entered into on a national securities exchange relating to foreign currency, or, in general, any interest or instrument commonly known as a “security,” or any certificate of interest or participation in, temporary or interim certificate for, receipt for, guarantee of, or warrant or right to subscribe to or purchase, any of the foregoing.

“Security Alarm System” means a device or series of devices, intended to summon law enforcement personnel during, or as a result of, an alarm condition. Devices may include hard-wired systems and systems interconnected with a radio frequency method such as cellular or private radio signals that emit or transmit a remote or local audible, visual, or electronic signal; motion detectors, pressure switches, duress alarms (a silent system signal generated by the entry

of a designated code into the arming station to indicate that the user is disarming under duress); panic alarms (an audible system signal to indicate an emergency situation); and hold-up alarms (a silent system signal to indicate that a robbery is in progress).

"Shell Company" means a registrant, other than an asset-backed issuer as defined in Item 1101(b) of Regulation AB, that has:

- a. No or nominal operations; and
- b. Either:
 - i. No or nominal operations;
 - ii. Assets consisting solely of cash and cash equivalents; or
 - iii. Assets consisting of any amount of cash and cash equivalents and nominal other assets.

"Shipping Container" means a hard-sided container with a lid or other enclosure that can be secured in place. A Shipping Container is used solely for the transport of Regulated Marijuana or Regulated Marijuana Product between Regulated Marijuana Businesses, a Medical Research Facility, or a Pesticide Manufacturer.

"Single-Serving Edible Retail Marijuana Product" means an Edible Retail Marijuana Product unit for sale to consumers containing no more than 10mg of active THC.

"Solvent-Based Medical Marijuana Concentrate" means a Medical Marijuana Concentrate that was produced by extracting Cannabinoids from Medical Marijuana through the use of a solvent approved by the Division pursuant to Rule M 605.

"Solvent-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of a solvent approved by the Division pursuant to Rule R 605.

"Standardized Graphic Symbol" means a graphic image or small design adopted by a Licensee to identify its business.

"State Licensing Authority" means the authority created for the purpose of regulating and controlling the licensing of the cultivation, manufacture, distribution, and Transfer of Medical Marijuana and Retail Marijuana in Colorado, pursuant to section 44-11-201, C.R.S.

"Support License" means a license for an natural person who performs duties that support the Regulated Marijuana Business' operations. A Support Licensee is a person with less decision-making authority than a Key Licensee. Examples of persons who need this type of license include, but are not limited to, sales clerks or cooks.

"Temporary Appointee Registration" means a registration issued to a Court Appointee pursuant to section 44-11-401(1.5)(b), C.R.S.

"THC" means tetrahydrocannabinol.

"THCA" means tetrahydrocannabinolic acid.

"Test Batch" means a group of Samples that are derived from a single Harvest Batch, Production Batch, or Inventory Tracking System package, and that are collectively submitted to a Medical Marijuana Testing Facility or a Retail Marijuana Testing Facility for testing purposes.

“Total THC” means the sum of the percentage by weight of THCA multiplied by 0.877 plus the percentage by weight of THC, i.e., Total THC = (% THCA x 0.877) + % THC.

“Transfer(s)(ed)(ing)” means to grant, convey, hand over, assign, sell, exchange, donate, or barter, in any manner or by any means, with or without consideration, any Regulated Marijuana or Regulated Marijuana Product from one Licensee to another Licensee, to a patient, or to a consumer. A Transfer includes the movement of Regulated Marijuana or Regulated Marijuana Product from one Licensed Premises to another, even if both premises are contiguous, and even if both premises are owned by a single Person or group of Persons, and also includes a virtual Transfer that is reflected in the Inventory Tracking System, even if no physical movement of the Regulated Marijuana or Regulated Marijuana Product occurs.

“Universal Symbol” means the image established by the Division and made available to Licensees through the Division’s website indicating the Regulated Marijuana or Regulated Marijuana Product contains marijuana.

“Unrecognizable” means marijuana or *Cannabis* plant material rendered indistinguishable from any other plant material.

“U.S. Person” means:

- a. Any natural person resident in the United States;
- b. Any partnership or corporation organized or incorporated under the laws of the United States;
- c. Any estate of which any executor or administrator is a U.S. natural person;
- d. Any trust of which any trustee is a U.S. natural person;
- e. Any agency or branch of a foreign entity located in the United States;
- f. Any non-discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary for the benefit or account of a U.S. natural person;
- g. Any discretionary account or similar account (other than an estate or trust) held by a dealer or other fiduciary organized, incorporated, or (if a natural person) resident in the United States; and
- h. Any partnership or corporation if:
 - i. Organized or incorporated under the laws of any foreign jurisdiction; and
 - ii. Formed by a U.S. natural person principally for the purpose of investing in Owner’s Interests not registered under the Securities Act of 1933, unless it is organized or incorporated, and owned, by accredited investors (as defined in § 230.501(a)) who are not natural persons, estates or trusts.

Vegetative” means the state of the *Cannabis* plant during which plants do not produce resin or flowers and are bulking up to a desired production size for Flowering.

“Water-Based Medical Marijuana Concentrate” means a Medical Marijuana Concentrate that was produced by extracting cannabinoids from Medical Marijuana through the use of only water, ice, or dry ice.

"Water-Based Retail Marijuana Concentrate" means a Retail Marijuana Concentrate that was produced by extracting Cannabinoids from Retail Marijuana through the use of only water, ice, or dry ice.

R 200 Series – Licensing and Interests (Repealed effective August 1, 2019)

Basis and Purpose – R 201

~~The statutory authority for this rule includes but is not limited to sections 44-12-102(2)(a), 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a)(XXI), 44-12-202(3)(c)(VIII), 44-12-303(1), 44-12-103, 44-12-306, 44-12-309, 44-12-312, 44-12-401, and 24-76.5-101, et seq., C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(III). The purpose of this rule is to establish that only materially complete applications for licenses, accompanied by all required fees, will be accepted and processed by the Division. The purpose of the rule is also to clarify that when an initial application is materially complete and accepted, but the Division determines further information is required before the application can be fully processed, the Applicant must provide the additional requested information within the time frame provided by the Division. Otherwise, the Division cannot act on the application in a timely manner, and the application may be denied.~~

R 201 – Application Process

A. General Requirements

- ~~1. All applications for licenses authorized pursuant to subsections 44-12-401(1) and (1.5), C.R.S., shall be made upon current forms prescribed by the Division.~~
- ~~2. A license issued to a Retail Marijuana Establishment or an individual constitutes a revocable privilege. The burden of proving an Applicant's qualifications for licensure rests at all times with the Applicant.~~
- ~~3. Each application shall identify the relevant local jurisdiction.~~
- ~~4. Applicants must submit a complete application to the Division before it will be accepted or considered.~~
 - ~~a. All applications must be complete and accurate in every material detail.~~
 - ~~b. All applications must include all attachments or supplemental information required by the current forms supplied by the Division.~~
 - ~~c. All applications must be accompanied by a full remittance of the application and relevant license fees for each applicant and each premise. See Rules R 207 – Schedule of Application Fees: Retail Marijuana Establishments, R 208 – Schedule of Business License Fees: Retail Marijuana Establishments, R 209 – Schedule of Business License Renewal Fees: Retail Marijuana Establishments, R 210 – Schedule of Other Application Fees: All Licensees, R 234 – Schedule of License Fees: Individuals, and R 235 – Schedule of Renewal Fees: Individuals.~~
 - ~~d. All applications must include all information required by the Division related to the Applicant's proposed Direct Beneficial Interest Owners, Indirect Beneficial Interest Owners and Qualified Limited Passive Investors, and all other direct and indirect financial interests in the Applicant.~~
 - ~~e. At a minimum, each Applicant for a new license shall provide, at the time of application, the following information:~~

- i. ~~For each Associated Key License Applicant, evidence of proof of lawful presence, citizenship, if applicable, residence, if applicable, and Good Moral Character as required by the current forms prescribed by the Division;~~
- ii. ~~For each Retail Marijuana Establishment Applicant and each Associated Key License Applicant, all requested information concerning financial and management associations and interests of other Persons in the business;~~
- iii. ~~If the Applicant for any license pursuant to the Retail Code is a Closely Held Business Entity it shall submit with the application:~~
 - A. ~~The Associated Key License applications for all of its shareholders, members, partners, officers and directors who do not already hold an Associated Key License;~~
 - B. ~~If the Closely Held Business Entity is a corporation, a copy of its articles of incorporation or articles of organization; evidence of authorization from the Colorado Secretary of State to do business within this State, and for each shareholder: his or her name, mailing address, state of residence and certification of Colorado residency for at least one officer and all officers with day-to-day operational control over the business;~~
 - C. ~~If the Closely Held Business Entity is a limited liability company, a copy of its articles of organization and its operating agreement; evidence of authorization from the Colorado Secretary of State to do business within this State, and for each member: his or her name, mailing address, state of residence and certification of Colorado residency for at least one officer and all officers with day-to-day operational control over the business; and~~
 - D. ~~If the Closely Held Business Entity is a general partnership, limited partnership, limited liability partnership, or limited liability limited partnership, a copy of the partnership agreement and, for each partner, his or her name, mailing address, state of residency and certification of Colorado residency for at least one officer and all officers with day-to-day operational control over the business.~~
- iv. ~~For each Retail Marijuana Establishment Applicant and each Associated Key License Applicant, documentation establishing compliant return filing and payment of taxes related to any Medical Marijuana Business or Retail Marijuana Establishment in which such Applicant is, or was, required to file and pay taxes;~~
- v. ~~For each Retail Marijuana Establishment Applicant and each Associated Key License Applicant, documentation verifying and confirming the funds used to start and/or sustain the operation of the Medical Marijuana Business or Retail Marijuana Establishment were lawfully earned or obtained;~~
- vi. ~~Accurate floor plans for the premises to be licensed; and~~
- viii. ~~The deed, lease, sublease, contract, or other document(s) governing the terms and conditions of occupancy of the premises to be licensed.~~

f. ~~At a minimum, each Applicant for a Court Appointee finding of suitability required by Rule R 253(A)(2), shall provide, at the time of application, the following information:~~

i. ~~A copy of the court order appointing the Court Appointee;~~

ii. ~~A statement affirming the Court Appointee complied with the certification required by section 44-12-401(1.5)(a), C.R.S.;~~

iii. ~~If the Court Appointee is an entity, a complete list of all individuals responsible for taking possession of, operating, managing, or controlling the Retail Marijuana Establishment; and~~

iv. ~~A complete list of all Medical Marijuana Businesses and Retail Marijuana Establishments for which the Court Appointee was appointed and the respective dates during which the Court Appointee is currently serving, or has previously served, as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person.~~

5. ~~All applications to reinstate a license will be deemed applications for new licenses. This includes, but is not limited to, Associated Key licenses that have expired, Retail Marijuana Establishment licenses that have been expired for more than 90 days, licenses that have been voluntarily surrendered, licenses for which local licensing approval was not obtained within 12 months, and licenses that have been revoked.~~

6. ~~The Division may refuse to accept or consider an incomplete application.~~

B. ~~Additional Information May Be Required~~

1. ~~Upon request by the Division, an Applicant shall provide any additional information required to process and fully investigate the application. The additional information must be provided to the Division no later than seven days after the request is made unless otherwise specified by the Division.~~

2. ~~An Applicant's failure to provide the requested information by the Division deadline may be grounds for denial of the application.~~

C. ~~Information Must Be Provided Truthfully. All Applicants shall submit information to the Division in a full, faithful, truthful, and fair manner. The Division may recommend denial of an application where the Applicant made misstatements, omissions, misrepresentations or untruths in the application or in connection with the Applicant's background investigation. This type of conduct may be considered as the basis for additional administrative action against the Applicant and it may also be the basis for criminal charges against the Applicant.~~

D. ~~Application Forms Accessible. All application forms supplied by the Division and filed by an Applicant for a license, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code or for any other state or local law enforcement purpose or as otherwise required by law.~~

E. ~~Division Application Management and Local Licensure~~

1. ~~The Division will either approve or deny a complete application between 45 days and 90 days of its receipt.~~

2. ~~For each application for a new Retail Marijuana Establishment, the Applicant shall submit the original application and one identical copy. The Division will retain the original~~

application for a new Retail Marijuana Establishment and will send the copy and half the application fee to the relevant local jurisdiction within seven days of receiving the application.

3. If the Division grants a license before the relevant local jurisdiction approves the application or grants a local license, the license will be conditioned upon local approval. Such a condition will not be viewed as a denial pursuant to the Administrative Procedure Act. If the local jurisdiction denies the application, the state license will be revoked.
4. The Applicant has one year from the date of licensing by the State Licensing Authority to obtain approval or licensing through the relevant local jurisdiction. Should the Applicant fail to obtain local jurisdiction approval or licensing within the specified period, the state license shall expire and may not be renewed.
5. An Applicant is prohibited from operating a Retail Marijuana Establishment prior to obtaining all necessary licenses or approvals from both the State Licensing Authority and the relevant local jurisdiction.
6. Each Financial Interest is void and of no effect unless and until approved by the Division. A Financial Interest shall not exercise any privilege associated with the proposed interest until approved by the Division. Any violation of this requirement may be considered a license violation affecting public safety.

~~R 201.5 — Repealed Effective January 1, 2017.~~

~~R 202 — Repealed Effective January 1, 2017.~~

~~Basis and Purpose — R 202.1~~

The statutory authority for this rule includes but is not limited to sections, 44-12-104(2)(a), 44-12-202(2)(a), 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a)(XXI), 44-12-202(3)(c)(VIII), 44-12-306, 44-12-309(2), 44-12-103 and 44-12-312, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(III). The purpose of this rule is to clarify the process to be followed when a Retail Marijuana Establishment applies to obtain financing or otherwise have a relationship with an Indirect Beneficial Interest Owner. The rule establishes that only materially complete Retail Marijuana Establishment applications for Indirect Beneficial Interest Owners, accompanied by all required fees, will be accepted and processed by the Division. The rule also clarifies that when an initial application is materially complete and accepted, but the Division determines further information is required before the application can be fully processed, the Retail Marijuana Establishment Applicant must provide the additional requested information within the time frame provided by the Division. Otherwise, the Division cannot act on the application in a timely manner, and the Retail Marijuana Establishment's application may be denied. The rule sets forth requirements for the contents of the contract or Agreement between Retail Marijuana Establishments and Indirect Beneficial Interest Owners, which reflect basic legal requirements surrounding the relationship between the parties.

~~R 202.1 — Applications, Agreements, Contracts and Certifications Required for Indirect Beneficial Interest Owners: Retail Marijuana Establishments~~

- A. ~~Retail Marijuana Establishment Initiates Process.~~ The Retail Marijuana Establishment seeking to obtain financing or otherwise establish any type of relationship with an Indirect Beneficial Interest Owner, including a Permitted Economic Interest, a Commercially Reasonable Royalty Interest Holder, a Profit Sharing Plan Employee, or a Qualified Institutional Investor, must file all required documents with the Division, including any supplemental documents requested by the Division in the course of its review of the application.
- B. ~~General Requirements.~~ The Retail Marijuana Establishment seeking approval of an Indirect Beneficial Interest Owner must meet the following requirements:

1. ~~All applications for approval of an Indirect Beneficial Interest Owner shall be made upon current forms prescribed by the Division.~~
2. ~~The burden of proving that a proposed Indirect Beneficial Interest Owner is qualified to hold such an interest rests at all times with the Retail Marijuana Establishment submitting the application.~~
3. ~~The Retail Marijuana Establishment applying for approval of any type of Indirect Beneficial Interest Owner must submit a complete application to the Division before it will be accepted or considered.~~
4. ~~All applications must be complete and accurate in every material detail.~~
5. ~~All applications must include all attachments or supplemental information required by the current forms supplied by the Division.~~
6. ~~All applications must be accompanied by a full remittance of the required fees.~~
7. ~~The Division may refuse to accept an incomplete application.~~
8. ~~The proposed holder of the Indirect Beneficial Interest is not a publicly traded company.~~
9. ~~Additional Information May Be Required~~
 - a. ~~Upon request by the Division, a Retail Marijuana Establishment applying to have any type of Indirect Beneficial Interest Owner shall provide any additional information required to process and fully investigate the application. The additional information must be provided to the Division no later than seven days after the request is made unless otherwise specified by the Division.~~
 - b. ~~Failure to provide the requested information by the Division's deadline may be grounds for denial of the application.~~
- C. ~~Information Must Be Provided Truthfully. A Retail Marijuana Establishment applying for approval of any type of Indirect Beneficial Interest Owner shall submit information to the Division in a full, faithful, truthful, and fair manner. The Division may recommend denial of an application where any party made misstatements, omissions, misrepresentations or untruths in the application or in connection with the background investigation of the proposed Indirect Beneficial Interest Owner. This type of conduct may be considered as the basis for additional administrative action against the Retail Marijuana Establishment and it may also be the basis for criminal charges against either the Retail Marijuana Establishment Applicant or the Indirect Beneficial Interest Owner.~~
- D. ~~Application Forms Accessible. All application forms supplied by the Division and filed by an Applicant for a license, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code or for any other state or local law enforcement purpose or as otherwise required by law.~~
- E. ~~Approval of Financial Interest. Each Financial Interest in a Retail Marijuana Establishment is void and of no effect unless and until approved by the Division. Any amendment of a Financial Interest is also void and of no effect unless and until approved by the Division.~~
- F. ~~Ongoing Qualification and Violation Affecting Public Safety. If at any time the Division finds any Indirect Beneficial Interest Owner is not qualified, or is no longer qualified, the Division may require the Retail Marijuana Establishment to terminate its relationship with and financial ties to the Indirect Beneficial Interest Owner within a specified time period. Failure to terminate such relationship and financial ties within the specified time period may constitute a violation affecting public safety and be a basis for administrative action against the Retail Marijuana Establishment.~~

- ~~G. Permitted Economic Interest Holder Requirements. At the time of application, a Retail Marijuana Establishment seeking to obtain approval of a Permitted Economic Interest shall provide evidence to establish that the natural person seeking to become a Permitted Economic Interest holder is a lawful resident of the United States and shall provide documentation verifying and confirming the funds used for the Permitted Economic Interest were lawfully earned or obtained.~~
- ~~H. Permitted Economic Interest Agreement Requirements. The Retail Marijuana Establishment Applicant seeking to obtain financing from a Permitted Economic Interest must submit a copy of the Agreement between the Retail Marijuana Establishment and the person seeking to hold a Permitted Economic Interest. The following requirements apply to all Agreements:~~
- ~~1. The Agreement must be complete, and must fully incorporate all terms and conditions.~~
 - ~~2. The following provisions must be included in the Agreement:~~
 - ~~a. Any interest in a Retail Marijuana Establishment, whether held by a Permitted Economic Interest or any other person, must be acquired in accordance with the provisions of the Medical Code and/or Retail Code, as applicable, and the rules promulgated thereunder. The issuance of any Agreement or other interest in violation thereof shall be void. The Permitted Economic Interest holder shall not provide funding to the Retail Marijuana Establishment until the Permitted Economic Interest is approved by the Division.~~
 - ~~b. No Agreement or other interest issued by the Retail Marijuana Establishment and no claim or charge therein or thereto shall be transferred except in accordance with the provisions of the Medical Code and/or Retail Code as applicable, and the rules promulgated thereunder. Any transfer in violation thereof shall be void.~~
 - ~~c. The Retail Marijuana Establishment and the Permitted Economic Interest holder must sign an affirmation of passive investment on a form approved by the Division.~~
 - ~~d. The Retail Marijuana Establishment must initiate any process to convert a Permitted Economic Interest to a Direct Beneficial Interest Owner and the process to convert the Permitted Economic Interest into a Direct Beneficial Interest Owner must be completed prior to the expiration or termination of the Agreement. The holder of the Permitted Economic Interest must meet all qualifications for licensure and ownership pursuant to the Medical Code and/or Retail Code and any rules promulgated thereunder prior to conversion of the Permitted Economic Interest to a Direct Beneficial Interest Owner.~~
 - ~~e. At the election of the Retail Marijuana Establishment, if the holder of the Permitted Economic Interest is not qualified for licensure as a Direct Beneficial Interest Owner but is qualified as a holder of the Permitted Economic Interest, and the Permitted Economic Interest is also approved by the Division then the Permitted Economic Interest may remain in force and effect for as long as it remains approved by the Division under the Medical Code and/or Retail Code as applicable, and any rules promulgated thereunder.~~
 - ~~f. The Permitted Economic Interest holder shall disclose in writing to the Division and to the Retail Marijuana Establishment any and all disqualifying events, within ten days after occurrence of the event, that could lead to a finding that the holder no longer qualifies to hold the Permitted Economic Interest and/or that could lead to a denial of licensure pursuant to the Medical Code and/or Retail Code and any rules promulgated thereunder.~~
 - ~~g. The Retail Marijuana Establishment shall disclose in writing to the Division any and all disqualifying events, within ten days after receiving notice of the event,~~

which could lead to a finding that the holder is no longer qualified to hold the Permitted Economic Interest and/or that could lead to a denial of licensure pursuant to the Medical Code and/or Retail Code as applicable, and any rules promulgated thereunder.

- h. ~~A Permitted Economic Interest holder's or a Retail Marijuana Establishment's failure to make required disclosures may be grounds for administrative action including but not limited to denial of a subsequent request to convert the Permitted Economic Interest into an ownership interest in the Retail Marijuana Establishment. Failure to make required disclosures may lead to a finding that the Permitted Economic Interest is no longer approved, and a requirement that the Retail Marijuana Establishment terminate its relationship with the Permitted Economic Interest holder.~~
- i. ~~The Permitted Economic Interest holder agrees and acknowledges that it has no entitlement or expectation of being able to invest in, or have a relationship with, the Retail Marijuana Establishment unless and until the Division determines the Permitted Economic Interest is approved. The Permitted Economic Interest holder agrees and acknowledges that its relationship with the Retail Marijuana Establishment is contingent upon Division approval. The Permitted Economic Interest holder understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, deny approval of the Permitted Economic Interest or find that the Permitted Economic Interest is no longer qualified. The Permitted Economic Interest Holder agrees and acknowledges it has no entitlement to or expectation of the Division approving the Permitted Economic Interest. The Permitted Economic Interest holder further agrees that any administrative or judicial review of a determination by the Division regarding the qualification or approval of the Permitted Economic Interest will only occur through licensing or enforcement proceedings involving the Retail Marijuana Establishment. The Permitted Economic Interest holder further agrees and acknowledges that the Permitted Economic Interest holder shall only be entitled to notice of a denial or administrative action concerning the Retail Marijuana Establishment if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Permitted Economic Interest holder. The Permitted Economic Interest holder also agrees and acknowledges that the Permitted Economic Interest holder may only request leave to intervene in an administrative proceeding against the Retail Marijuana Establishment, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Permitted Economic Interest holder. Furthermore, the Permitted Economic Interest holder agrees and acknowledges that the Permitted Economic Interest holder may only seek judicial review of an action against the Retail Marijuana Establishment, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Permitted Economic Interest Holder. THE PERMITTED ECONOMIC INTEREST HOLDER KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE PERMITTED ECONOMIC INTEREST BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE RETAIL MARIJUANA ESTABLISHMENT, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE QUALIFICATIONS OR ACTIONS OF THE PERMITTED ECONOMIC INTEREST, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A~~

~~LICENSING OR ENFORCEMENT PROCEEDING FOR THE RETAIL
MARIJUANA ESTABLISHMENT.~~

- ~~I. Commercially Reasonable Royalty Contract Requirements. A Retail Marijuana Establishment seeking to utilize the intellectual property of a Commercially Reasonable Royalty Interest Holder must submit a copy of the contract between the Retail Marijuana Establishment and the Person seeking to hold a Commercially Reasonable Royalty. The following requirements apply to all such contracts:~~
- ~~1. The contract must be complete, and must fully incorporate all terms and conditions.~~
 - ~~2. The following provisions must be included in the contract:~~
 - ~~a. Any interest in a Retail Marijuana Establishment, whether held by a Commercially Reasonable Royalty Interest Holder or any other person, must be acquired in accordance with the provisions of the Medical Code and/or Retail Code, as applicable, and the rules promulgated thereunder. The issuance of any contract or other interest in violation thereof shall be void.~~
 - ~~b. No contract, royalty or other interest issued by the Retail Marijuana Establishment and no claim or charge therein or thereto shall be transferred except in accordance with the provisions of the Medical Code and/or Retail Code as applicable, and the rules promulgated thereunder. Any transfer in violation thereof shall be void.~~
 - ~~c. The Retail Marijuana Establishment and the Commercially Reasonable Royalty Interest Holder must sign an affirmation of passive investment on a form approved by the Division.~~
 - ~~d. The Commercially Reasonable Royalty Interest Holder shall disclose in writing to the Division and to the Retail Marijuana Establishment any and all disqualifying events, within ten days after occurrence of the event, that could lead to a finding that the Commercially Reasonable Royalty Interest Holder is not qualified to hold the Commercially Reasonable Royalty.~~
 - ~~e. The Retail Marijuana Establishment shall disclose in writing to the Division any and all disqualifying events, within ten days after receiving notice of the event, which would lead to a finding that the Commercially Reasonable Royalty Interest Holder is not qualified to hold the Commercially Reasonable Royalty.~~
 - ~~f. A Commercially Reasonable Royalty Interest Holder's or a Retail Marijuana Establishment's failure to make required disclosures may lead to a finding that the Commercially Reasonable Royalty is not approved, or is no longer approved, and may lead to a requirement that the Retail Marijuana Establishment terminate its relationship with the Commercially Reasonable Royalty Interest Holder.~~
 - ~~g. The Commercially Reasonable Royalty Interest Holder agrees and acknowledges that its relationship with the Retail Marijuana Establishment is contingent upon Division approval throughout the entire term of its relationship with the Retail Marijuana Establishment. The Commercially Reasonable Royalty Interest Holder understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, find that the Commercially Reasonable Royalty Interest Holder does not qualify or no longer qualifies. The Commercially Reasonable Royalty Interest Holder agrees and acknowledges it has no entitlement to or expectation to approval of the Commercially Reasonable Royalty.~~

h. ~~The Commercially Reasonable Royalty Interest Holder further agrees that any administrative or judicial review of a determination by the Division approving or denying the Commercially Reasonable Royalty will only occur through licensing or enforcement proceedings involving the Retail Marijuana Establishment. The Commercially Reasonable Royalty Interest Holder further agrees and acknowledges that the Commercially Reasonable Royalty Interest Holder shall only be entitled to notice of a denial or administrative action concerning the Retail Marijuana Establishment if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Commercially Reasonable Royalty Interest Holder. The Commercially Reasonable Royalty Interest Holder also agrees and acknowledges that the Commercially Reasonable Royalty Interest Holder may only request leave to intervene in an administrative proceeding against the Retail Marijuana Establishment, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Commercially Reasonable Royalty Interest Holder. Furthermore, the Commercially Reasonable Royalty Interest Holder agrees and acknowledges that the Commercially Reasonable Royalty Interest Holder may only seek judicial review of an action against the Retail Marijuana Establishment, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Commercially Reasonable Royalty Interest Holder. THE COMMERCIALLY REASONABLE ROYALTY INTEREST HOLDER KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE COMMERCIALLY REASONABLE ROYALTY BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE RETAIL MARIJUANA ESTABLISHMENT, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE QUALIFICATIONS OR ACTIONS OF THE COMMERCIALLY REASONABLE ROYALTY INTEREST HOLDER, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE RETAIL MARIJUANA ESTABLISHMENT.~~

i. ~~If the Division determines the Commercially Reasonable Royalty Interest Holder is not in compliance with the Retail Code, the Medical Code or these rules, then the Retail Marijuana Establishment shall discontinue use of such Commercially Reasonable Royalty and associated intellectual property within thirty (30) days of the Division finding. The Retail Marijuana Establishment shall not pay any remuneration to a Commercially Reasonable Royalty Interest Holder that does not qualify under the Retail Code and these rules, including but not limited to Rule R-231.2(B).~~

j. ~~The Commercially Reasonable Royalty Interest Holder shall neither exercise control over nor be positioned so as to enable the exercise of control over the Retail Marijuana Establishment. Notwithstanding the foregoing, a Commercially Reasonable Royalty Interest Holder may influence the marketing, advertising, labeling and display of any product or line of products for which the Commercially Reasonable Royalty exists so long as such influence is not inconsistent with the Retail Code, the Medical Code or these rules.~~

J. ~~Profit-Sharing Plan Documents. A Retail Marijuana Establishment offering licensed employees a share of the profits through a Profit-Sharing Plan must submit a list of all proposed participants in the Profit-Sharing Plan along with their names, addresses and occupational license numbers and submit a copy of all documentation regarding the Profit-Sharing Plan in connection with the Retail Marijuana Establishment's application:~~

1. ~~The documents establishing the Profit-Sharing Plan must be complete and must fully incorporate all terms and conditions.~~

2. ~~The following provisions must be included in the documents establishing the Profit-Sharing Plan:~~
- a. ~~Any interest in a Retail Marijuana Establishment, whether held by a Profit-Sharing Plan Employee or any other person, must be acquired in accordance with the provisions of the Medical Code and/or Retail Code, as applicable, and the rules promulgated thereunder. The issuance of any contract or other interest in violation thereof shall be void.~~
 - b. ~~No contract or other interest issued by the Retail Marijuana Establishment and no claim or charge therein or thereto shall be transferred except in accordance with the provisions of the Medical Code and/or Retail Code as applicable, and the rules promulgated thereunder. Any transfer in violation thereof shall be void. Any distributions from a Profit-Sharing Plan must be made in cash, not in the form of stock or other equity interests in the Retail Marijuana Establishment.~~
 - c. ~~The Retail Marijuana Establishment shall disclose in writing to the Division any and all disqualifying events, within ten days after receiving notice of the event, which would lead to a finding that any Profit-Sharing Plan Employee does not qualify under the Retail Code and these rules, including but not limited to Rule R 231.6(B), to participate in the Profit-Sharing Plan.~~
 - d. ~~A Profit-Sharing Plan Employee shall disclose in writing to the Division and to the Retail Marijuana Establishment any and all disqualifying events, within ten days after occurrence of the event that could lead to a finding that the Profit-Sharing Plan Employee does not qualify or no longer qualifies under the Retail Code and these rules, including but not limited to Rule R 231.2(B), to participate in the Profit-Sharing Plan.~~
 - e. ~~A Retail Marijuana Establishment's or a Profit-Sharing Plan Employee's failure to make required disclosures may lead to a finding that the Profit-Sharing Plan is not approved, and may lead to a requirement that the Retail Marijuana Establishment terminate or modify the Profit-Sharing Plan.~~
 - f. ~~The Profit-Sharing Plan Employee agrees and acknowledges that its relationship with the Retail Marijuana Establishment is contingent upon Division approval throughout the entire term of its relationship with the Retail Marijuana Establishment. The Profit-Sharing Plan Employee understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, deny approval of the Profit-Sharing Plan. The Profit-Sharing Plan Employee agrees and acknowledges he or she has no entitlement to or expectation to Division approval of the Profit-Sharing Plan or the Profit-Sharing Plan Employee's participation in the plan. The Profit-Sharing Plan Employee further agrees that any administrative or judicial review of a determination by the Division approving or denying the Profit-Sharing Plan or the Profit-Sharing Plan Employee will only occur through licensing or enforcement proceedings involving the Retail Marijuana Establishment. Each Profit-Sharing Plan Employee further agrees and acknowledges that the Profit-Sharing Plan Employee shall only be entitled to notice of a denial or administrative action concerning the Retail Marijuana Establishment if the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Profit-Sharing Plan Employee. The Profit-Sharing Plan Employee also agrees and acknowledges that the Profit-Sharing Plan Employee may only request leave to intervene in an administrative proceeding against the Retail Marijuana Establishment, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Profit-Sharing Plan Employee. Furthermore, the Profit-Sharing Plan Employee agrees and acknowledges that the Profit-Sharing Plan Employee~~

may only seek judicial review of an action against the Retail Marijuana Establishment, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Profit-Sharing Plan Employee. THE PROFIT-SHARING PLAN EMPLOYEE KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE PROFIT-SHARING PLAN OR THE PROFIT-SHARING PLAN EMPLOYEE BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE RETAIL MARIJUANA ESTABLISHMENT, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE PROFIT-SHARING PLAN OR THE PROFIT-SHARING PLAN EMPLOYEE'S QUALIFICATIONS OR ACTIONS OF THE PROFIT-SHARING PLAN EMPLOYEE, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE RETAIL MARIJUANA ESTABLISHMENT.

K. ~~Qualified Institutional Investor Requirements. Before a Retail Marijuana Establishment may permit a Qualified Institutional Investor to own any portion of the Retail Marijuana Establishment, the Retail Marijuana Establishment must submit the following documentation to the Division in connection with the Retail Marijuana Establishment's application:~~

1. ~~A description of the Qualified Institutional Investor's business and a statement as to why the Qualified Institutional Investor meets the definition of Qualified Institutional Investor in Rule R-103 and subsection 44-12-306(7), C.R.S.~~
2. ~~A certification made under oath and the penalty of perjury by the Qualified Institutional Investor:~~
 - a. ~~That the ownership interests were acquired and are held for investment purposes only and were acquired and are held in the ordinary course of business as a Qualified Institutional Investor and not for the purposes of causing, directly or indirectly, the election of a majority of the board of directors, any change in the corporate charter, bylaws, management, policies, or operations of a Retail Marijuana Establishment.~~
 - b. ~~That the Qualified Institutional Investor is bound by and shall comply with the Retail Code and the rules adopted pursuant thereto, is subject to the jurisdiction of the courts of Colorado, and consents to Colorado as the choice of forum in the event any dispute, question, or controversy arises regarding the Qualified Institutional Investor's relationship with the Retail Marijuana Establishment or activities pursuant to the Retail Code and rules adopted pursuant thereto.~~
 - c. ~~The Qualified Institutional Investor agrees and acknowledges that its relationship with the Retail Marijuana Establishment is contingent upon Division approval throughout the entire term of its relationship with the Retail Marijuana Establishment. The Qualified Institutional Investor understands and acknowledges that approval by the Division is wholly discretionary and the Division may, at any time, deny approval of the Qualified Institutional Investor. The Qualified Institutional Investor agrees and acknowledges it has no entitlement to or expectation to Division approval of the Qualified Institutional Investor. The Qualified Institutional Investor further agrees that any administrative or judicial review of a determination by the Division approving or denying the Qualified Institutional Investor will only occur through licensing or enforcement proceedings involving the Retail Marijuana Establishment. The Qualified Institutional Investor further agrees and acknowledges that the Qualified Institutional Investor shall only be entitled to notice of a denial or administrative action concerning the Retail Marijuana Establishment if~~

~~the denial or administrative action is based upon, or directly related to, the qualifications or actions of the Qualified Institutional Investor. The Qualified Institutional Investor also agrees and acknowledges that the Qualified Institutional Investor may only request leave to intervene in an administrative proceeding against the Retail Marijuana Establishment, pursuant to subsection 24-4-105(2)(c), C.R.S., if the administrative proceeding is based upon, or directly related to, the qualifications or actions of the Qualified Institutional Investor. Furthermore, the Qualified Institutional Investor agrees and acknowledges that the Qualified Institutional Investor may only seek judicial review of an action against the Retail Marijuana Establishment, pursuant to subsection 24-4-106(4), C.R.S., if the administrative action is based upon, or directly related to, the qualifications or actions of the Qualified Institutional Investor. THE QUALIFIED INSTITUTIONAL INVESTOR KNOWINGLY, FREELY, AND VOLUNTARILY WAIVES ANY RIGHT OR CLAIM TO SEEK ANY INDEPENDENT REVIEW OF APPROVAL OR DENIAL OF THE QUALIFIED INSTITUTIONAL INVESTOR BY THE DIVISION, OR OF AN ADMINISTRATIVE ACTION AGAINST THE RETAIL MARIJUANA ESTABLISHMENT, THAT IS BASED UPON, OR DIRECTLY RELATED TO, THE QUALIFICATIONS OR ACTIONS OF THE QUALIFIED INSTITUTIONAL INVESTOR, AND EXPRESSLY AGREES THAT THE ONLY ADMINISTRATIVE OR JUDICIAL REVIEW OF SUCH A DETERMINATION OR ACTION WILL OCCUR THROUGH A LICENSING OR ENFORCEMENT PROCEEDING FOR THE RETAIL MARIJUANA ESTABLISHMENT.~~

- d. ~~_____ An explanation of the basis of the signatory's authority to sign the certification and to bind the Qualified Institutional Investor to its terms.~~
3. ~~_____ The name, address, telephone number and any other information requested by the Division as required on its approved forms for the officers and directors, or their equivalent, of the Qualified Institutional Investor as well as those Persons that have direct control over the Qualified Institutional Investor's ownership interest in the Retail Marijuana Establishment.~~
4. ~~_____ The name, address, telephone number and any other information requested by the Division as required on its approved forms for each Person who has the power to direct or control the Qualified Institutional Investor's voting of its shares in the Retail Marijuana Establishment.~~
5. ~~_____ The name of each Person that beneficially owns five percent or more of the Qualified Institutional Investor's voting securities or other equivalent.~~
6. ~~_____ A list of the Qualified Institutional Investor's affiliates.~~
7. ~~_____ A list of all regulatory agencies with which the Qualified Institutional Investor files periodic reports, and the name, address, and telephone number of the individual, if known, to contact at each agency regarding the Qualified Institutional Investor.~~
8. ~~_____ A disclosure of all criminal or regulatory sanctions imposed during the preceding ten years and of any administrative or court proceedings filed by any regulatory agency during the preceding five years against the Qualified Institutional Investor, its affiliates, any current officer or director, or any former officer or director whose tenure ended within the preceding 12 months. As to a former officer or director, such information need be provided only to the extent that it relates to actions arising out of or during such person's tenure with the Qualified Institutional Investor or its affiliates.~~

9. ~~A copy of any filing made under 16 U.S.C § 18a with respect to the acquisition or proposed acquisition of an ownership interest in the Retail Marijuana Establishment.~~
10. ~~Any additional information requested by the Division.~~

~~R 202.5 – Repealed Effective January 1, 2017.~~

~~Basis and Purpose – R 203~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(I) and (XV), 44-12-103, and 44-12-310, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(I). The purpose of this rule is to establish how licenses can be renewed.~~

~~R 203 – Process for Renewing a License: Retail Marijuana Establishments~~

~~A. General Process for License Renewal.~~

1. ~~The Division will send a Notice for License Renewal 90 days prior to the expiration of an existing license by first class mail to the Licensee's mailing address of record.~~
2. ~~A Licensee may apply for the renewal of an existing license not less than 30 days prior to the license's expiration date. A renewal application filed not less than 30 days prior to expiration of the license is considered timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until final agency action on the renewal application.~~
3. ~~If the Licensee files a renewal application within less than 30 days prior to expiration, the Licensee must provide a written explanation detailing the circumstances surrounding the untimely filing. If the Division accepts the application, then the application is deemed timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until final agency action on the renewal application.~~
4. ~~An application for renewal will only be accepted if it is accompanied by:~~
 - a. ~~The requisite licensing fees. See Rule R 209 – Schedule of Business License Renewal Fees: Retail Marijuana Establishments; and~~
 - b. ~~A copy of the relevant local jurisdiction's approval.~~
5. ~~Each Direct Beneficial Interest Owner required to have an Associated Key License must be fingerprinted at least every two years, and may be fingerprinted more often at the Division's discretion.~~
6. ~~The Division shall perform a limited background check, which may include fingerprinting, regarding Qualified Limited Passive Investors and other Financial Interests that are Indirect Beneficial Interest Owners. Where warranted by reasonable cause, the Division may require additional investigation.~~
7. ~~For each renewal application, the Licensee shall submit the original application and one identical copy. The Division will retain the original renewal application and will send the copy to the relevant local jurisdiction within seven days of receiving the renewal application.~~

~~B. Failure to Receive a Notice for License Renewal. Failure to receive a Notice for License Renewal does not relieve a Licensee of the obligation to renew all licenses as required.~~

- ~~C. — If License Not Renewed Before Expiration. A license is immediately invalid upon expiration if the Licensee has not filed a renewal application and remitted all of the required fees.~~
- ~~1. — Administratively Continued Retail Marijuana Establishment License. In the event of a renewal application filed after the license expiration date, a Retail Marijuana Establishment may not operate unless and until the Division in its discretion informs the Retail Marijuana Establishment Licensee that the license has been administratively continued. A Retail Marijuana Establishment Licensee whose license has been administratively continued may continue to operate until final agency action on the renewal application. Review of the renewal application will include, among other factors a review of whether the Retail Marijuana Establishment operated with an expired license.~~
 - ~~2. — Repealed effective January 1, 2019.~~
 - ~~3. — The Division will not accept a renewal application filed more than 90 days after the expiration of the license. The Division also will not renew any license that has been voluntarily surrendered, any Retail Marijuana Establishment license for which local licensing approval was not obtained within 12 months, or any license that has been revoked. A Retail Marijuana Establishment license that expired over 90 days prior to submission of the Retail Marijuana Establishment Licensee's renewal application, a license that has been voluntarily surrendered, a Retail Marijuana Establishment license for which local licensing approval was not obtained within 12 months, and a license that has been revoked may only be reinstated via an application for a new license that is subsequently approved by the Division or the State Licensing Authority.~~
- ~~D. — Licenses Subject to Ongoing Discipline and/or Summary Suspension. Licenses that are the subject of a summary suspension, a disciplinary action, and/or any other administrative action are subject to the requirements of this Rule. Licenses that are not timely renewed shall expire. See Rules R 1301—Disciplinary Process: Non-Summary Suspension and R 1302—Disciplinary Process: Summary Suspensions.~~
- ~~E. — Closely Held Business Entity Direct Beneficial Interest Owners. Closely Held Business Entity Direct Beneficial Interest Owners must submit a current Division certification form, signed by all Direct Beneficial Interest Owner(s) of the Retail Marijuana Establishment certifying that each Associated Key License owner of the Closely Held Business Entity has maintained, and currently maintains, United States citizenship.~~
- ~~F. — Indirect Beneficial Interest Owners and Qualified Limited Passive Investors. At the time of renewal, a Retail Marijuana Establishment shall disclose any and all Indirect Beneficial Interest Owners and Qualified Limited Passive Investors that hold an interest in the Retail Marijuana Establishment. Additionally, the Retail Marijuana Establishment must present updated information regarding all Indirect Beneficial Interest Owners and Qualified Limited Passive Investors at the time the Retail Marijuana Establishment submits its renewal materials:~~
- ~~1. — Current Division Indirect Beneficial Interest Owners and Qualified Limited Passive Investors renewal disclosure forms;~~
 - ~~2. — Current Division form allowing the Division to investigate any Indirect Beneficial Interest Owner(s) and/or Qualified Limited Passive Investor(s) if the Division deems such investigation necessary. The form shall be signed by all Direct Beneficial Interest Owner(s) of the Retail Marijuana Establishment;~~
 - ~~3. — Permitted Economic Interest Holder, at the discretion of the Division, may be required to submit new fingerprints;~~
 - ~~4. — Current Division certification form attesting that all Qualified Limited Passive Investor(s) and/or all Indirect Beneficial Interest Owner(s) remain qualified under the Retail Code and~~

these rules. The form shall be signed by all Direct Beneficial Interest Owner(s) of the Retail Marijuana Establishment;

5. ~~For Permitted Economic Interest Holder, current Division certification form, signed by all Direct Beneficial Interest Owner(s) of the Retail Marijuana Establishment and the particular Permitted Economic Interest holder, certifying that he or she has maintained, and currently maintains, lawful residence in the United States; and~~
6. ~~For Qualified Limited Passive Investors, current Division certification form, signed by all Direct Beneficial Interest Owner(s) of the Retail Marijuana Establishment and the particular Qualified Limited Passive Investor, certifying that he or she has maintained, and currently maintains, United States citizenship.~~

~~Basis and Purpose—R 204~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(IX), 44-12-202(3)(a)(XVI), 44-12-202(3)(a)(XXI), 44-12-202(3)(c)(VIII), 44-12-601(1), 44-12-103, 44-12-306, 44-12-309, 44-12-312, 44-12-901, and 24-76.5-101 et seq., C.R.S. The purpose of this rule is to provide clarity regarding the nature of a Direct Beneficial Interest Owner and an Indirect Beneficial Interest Owner, and to clarify what factors the State Licensing Authority generally considers regarding the same. The Division will review all relevant information to determine ownership of a Retail Marijuana Establishment.~~

~~R 204—Ownership Interests of a License: Retail Marijuana Establishments~~

- A. ~~Licenses Held By Direct Beneficial Interest Owners. Each Retail Marijuana Establishment License must be held by its Direct Beneficial Interest Owner(s). Each natural person other than a Qualified Limited Passive Investor must hold an Associated Key license. A Direct Beneficial Interest Owner shall not be a publicly traded company.~~
- B. ~~100% Ownership.~~
 1. ~~The sum of the percentages of ownership of all Direct Beneficial Interest Owners of a Retail Marijuana Establishment and Qualified Institutional Investors must equal 100%.~~
 - a. ~~Qualified Institutional Investors may hold ownership interests, in the aggregate, of 30% or less in the Retail Marijuana Establishment.~~
 - b. ~~A Qualified Limited Passive Investor must be a natural person who is a United States citizen and may hold an ownership interest of less than five percent in the Retail Marijuana Establishment.~~
 - c. ~~Each Direct Beneficial Interest Owner, including but not limited to each officer, director, managing member, or partner of a Retail Marijuana Establishment, must hold a current and valid Associated Key License. See Rule R 233—Retail Code or Medical Code Occupational Licenses Required. Except that this requirement shall not apply to Qualified Limited Passive Investors.~~
 - d. ~~With the exception of Qualified Institutional Investors, only Direct Beneficial Interest Owners may hold a partnership interest, limited or general, a joint venture interest, or ownership of a share or shares in a corporation or a limited liability company which is licensed.~~
 2. ~~Death, Disability, Divestment, Revocation or Suspension of Less than 100% of All Direct Beneficial Interest Owners. In the event of death, disability, divestment, revocation, or suspension of less than one hundred percent of all Direct Beneficial Interest Owners, the following provisions apply.~~

- a. ~~In the event of the death or disability of a Direct Beneficial Interest Owner see Rule R 253—Temporary Appointee Registrations for Court Appointees.~~
- b. ~~A Retail Marijuana Establishment shall submit a change of ownership application within forty five (45) days of entry of a final court order or final arbitration award, or full execution of a settlement agreement that alters the ownership structure of the Retail Marijuana Establishment. Any change of ownership application based on a final court order, final arbitration award, or fully executed settlement agreement and remains subject to approval by the Division. If a change of ownership application is not timely submitted, the Retail Marijuana Establishment and its Associated Key Licensee(s) may be subject to administrative action.~~
- c. ~~In the event of the suspension of the license of a Direct Beneficial Interest Owner, either (i) the Retail Marijuana Establishment shall comply with all requirements of Rule R 1302—Disciplinary Process: Summary Suspensions, or (ii) the non-suspended Associated Key Licensee(s) must control the Retail Marijuana Establishment without any participation by the suspended Direct Beneficial Interest Owner.~~
- d. ~~In the event of revocation of the license of a Direct Beneficial Interest Owner, a Retail Marijuana Establishment shall have forty five (45) days, unless extended after a showing of good cause by the Retail Marijuana Establishment, to submit a change of ownership application to the Division detailing the Licensee's plan for redistribution of ownership among the remaining Direct Beneficial Interest Owners. Such plan is subject to approval by the Division. If a change of ownership application is not timely submitted, the Retail Marijuana Establishment and its remaining Associated Key Licensee(s) may be subject to administrative action.~~
- C. ~~At Least One Associated Key License Required. No Retail Marijuana Establishment may operate or be licensed unless it has at least one Associated Key Licensee that is a Direct Beneficial Interest Owner who has been a Colorado resident for at least one year prior to application. Any violation of this requirement may be considered a license violation affecting public safety.~~
- D. ~~Loss Of Occupational License As An Owner Of Multiple Businesses. If an Associated Key License is suspended or revoked as to one Retail Marijuana Establishment or Medical Marijuana Business, that Associated Key License, shall be suspended or revoked as to any other Retail Marijuana Establishment or Medical Marijuana Business in which that Person possesses an ownership interest. See Rule R 233—Retail Code or Medical Code Occupational Licenses Required.~~
- E. ~~Management Companies. Any Person contracted to manage the overall operation of a Licensed Premises must hold a Retail Marijuana Operator license.~~
- F. ~~Role of Managers. Associated Key Licensees may hire managers, and managers may be compensated on the basis of profits made, gross or net. A Retail Marijuana Establishment license may not be held in the name of a manager who is not a Direct Beneficial Interest Owner. A manager who does not hold an Associated Key License as a Direct Beneficial Interest Owner of the Retail Marijuana Establishment, must hold a Key License as an employee of the Retail Marijuana Establishment. Any change in manager must be reported to the Division within seven (7) days of the change. Additionally, a Retail Marijuana Operator may include management services as part of the operational services provided to a Retail Marijuana Establishment. A Retail Marijuana Establishment and its Direct Beneficial Interest Owners may be subject to license denial or administrative action including, but not limited to, fine, suspension or revocation of their license(s) based on the acts or omissions of any manager, Retail Marijuana Establishment Operator, or agents and employees thereof engaged in the operations of the Retail Marijuana Establishment.~~

~~G. — Prohibited Third-Party Acts. No Licensee may employ, contract with, hire, or otherwise retain any Person, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit if the Licensee is prohibited by law or these rules from engaging in such conduct itself.~~

~~1. — A Licensee may be held responsible for all actions and omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.~~

~~2. — A Licensee may be subject to a license denial or administrative action, including but not limited to fine, suspension or revocation of its license(s), based on the acts and/or omissions of any Person the Licensee employs, contracts with, hires, or otherwise retain, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.~~

Basis and Purpose — R 204.5

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a)(XV), 44-12-202(3)(a)(XXI), 44-12-202(3)(c)(IV), 44-12-202(3)(c)(V), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-103, 44-12-303, 44-12-305, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to clarify the application, review and approval process for various types of Business Interests. The Division will review all relevant information to determine ownership of, interests in, and control of a Retail Marijuana Establishment.~~

R 204.5 — Disclosure, Approval and Review of Business Interests

~~A. — Business Interests. A Retail Marijuana Establishment shall disclose all Business Interests at the time of initial application and at the time of each renewal application. Business Interests include Financial Interests and Affiliated Interests. Any Financial Interest must be pre-approved by the Division. It shall be unlawful to fail to completely report all Business Interests in each license issued. It shall be unlawful for a person other than a Financial Interest holding an Associated Key License to exercise control over a Retail Marijuana Establishment or to be positioned so as to enable the exercise of control over a Retail Marijuana Establishment. Except that a Qualified Institutional Investor and a Qualified Limited Passive Investor may vote his, her or its shares in the Retail Marijuana Establishment.~~

~~B. — Financial Interests. A Retail Marijuana Establishment shall not permit any Person to hold or exercise a Financial Interest in the Retail Marijuana Establishment unless and until such Person's Financial Interest has been approved by the Division. If a Retail Marijuana Establishment wishes to permit a Person to hold or exercise a Financial Interest, and that Person has not been previously approved in connection with an application for the Retail Marijuana Establishment, the Retail Marijuana Establishment shall submit a change of ownership or financial interest form approved by the Division. A Financial Interest shall include:~~

~~1. — Any Direct Beneficial Interest Owner;~~

~~2. — The following types of Indirect Beneficial Interest Owners:~~

~~a. — A Commercially Reasonable Royalty Interest Holder who receives, in the aggregate, a royalty of more than 30 percent; and~~

~~b. — A Permitted Economic Interest holder.~~

~~3. — Control. Any other natural person who exercises control or is positioned so as to enable the exercise of control over the Retail Marijuana Establishment must hold an Associated Key License. To determine if a Person exercises control or is positioned so as to enable~~

the exercise of control over a Retail Marijuana Establishment within the meaning of the Retail Marijuana Rules, the Division will consider the following non-exhaustive factors:

- a. ~~The Person bears the risk of loss and opportunity for profit;~~
- b. ~~The Person has final decision making authority over any material aspect of the operation of the Retail Marijuana Establishment;~~
- c. ~~The Person manages the overall operations of a Retail Marijuana Establishment or its Licensed Premises, or who manages a material portion of the Retail Marijuana Establishment or its Licensed Premises;~~
- d. ~~The Person guarantees the Retail Marijuana Establishment's debts or production levels;~~
- e. ~~The Person is a beneficiary of the Retail Marijuana Establishment's insurance policies;~~
- f. ~~The Person receives the majority of the Retail Marijuana Establishment's profits as compared to other recipients of the Retail Marijuana Establishment's profits; or~~
- g. ~~The Person acknowledges liability for the Retail Marijuana Establishment's federal, state or local taxes.~~

4. ~~Subparagraph 3 of this Rule does not apply where inconsistent with the Rule R-1700 Series — Retail Marijuana Establishment Operators.~~

C. ~~Affiliated Interests. A Retail Marijuana Establishment shall disclose all Affiliated Interests in connection with each application for licensure, renewal or reinstatement of the Retail Marijuana Establishment. The Division may conduct such background investigation as it deems appropriate regarding Affiliated Interests. An Affiliated Interest shall include any Person who does not hold a Financial Interest in the Retail Marijuana Establishment and who has any of the following relationships with the Retail Marijuana Establishment:~~

1. ~~The following Indirect Beneficial Interest Owners:~~
 - a. ~~A Commercially Reasonable Royalty Interest Holder who receives, in the aggregate, a royalty of 30 percent or less;~~
 - b. ~~A Profit-Sharing Plan Employee; and~~
 - c. ~~A Qualified Institutional Investor.~~
2. ~~Any other Person who holds any other disclosable interest in the Retail Marijuana Establishment other than a Financial Interest. Such disclosable interests shall include but shall not be limited to an indirect financial interest, a lease agreement, a secured or unsecured loan, or security interest in fixtures or equipment with a direct nexus to the cultivation, manufacture, Transfer, transportation, or testing of Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.~~
3. ~~If the Division determines any Person disclosed as an Affiliated Interest should have been pre-approved as a Financial Interest, approval and further background investigation may be required. Additionally, the failure to seek pre-approval of a Financial Interest holder may form the basis for license denial or administrative action against the Retail Marijuana Establishment.~~

~~D. Secured Interest In Marijuana Prohibited. No Person shall at any time hold a secured interest in Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Products.~~

Basis and Purpose – R 205

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(III), 44-12-202(3)(a)(XV), 44-12-303, 44-12-305, 44-12-309(2), 44-12-103, 44-12-308, 44-12-406, 44-12-407, and 24-76.5-101, et seq., C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(I). The purpose of this rule is to establish protocol for ownership transfers. In addition, the rule clarifies that a business cannot use the transfer of ownership process in order to circumvent the administrative disciplinary process and that an ongoing investigation or disciplinary action may: (1) constitute grounds to deny a transfer of ownership request; (2) constitute grounds to delay a transfer of ownership request, or (3) mandate that the new business owner is responsible for any imposed sanction.~~

R 205 – Transfer of Ownership and Changes in Business Structure: Retail Marijuana Establishments

A. General Requirements

- ~~1. All applications for transfers of Direct Beneficial Interest Owners or changes in corporate structure by licensed Retail Marijuana Establishments authorized pursuant to section 44-12-401, C.R.S., shall be made upon current forms prescribed by the Division. Each application shall identify the relevant local jurisdiction.~~
- ~~2. All applications for transfers of ownership and changes in Retail Marijuana Establishments must include application fees, be complete in every material detail, and be filled out truthfully.~~
- ~~3. All applications for transfers of ownership and changes in licensed entities by Retail Marijuana Establishments must be reported to the State Licensing Authority or its designee and relevant local jurisdiction at least 30 days prior to any requested transfer or change.~~
- ~~4. Each Applicant for a transfer of ownership shall provide suitable evidence as required by the Division, in accordance with these rules and the Retail Code, of each natural person's proof of lawful presence, citizenship, residence, good character and reputation and verification that funds used to invest in or finance the retail marijuana business were lawfully earned or obtained. Each Applicant shall also provide all requested information concerning financial and management associations and interests of other Persons in the business, Department of Revenue tax payment information, the deed, lease, contract, or other document governing the terms and conditions of occupancy of the Licensed Premises. Nothing in this section is intended to limit the Division's ability to request additional information it deems necessary to determining an Applicant's suitability for licensure.~~
- ~~5. Failure to provide such additional information by the deadline specified by the Division may result in denial of the application.~~
- ~~6. The Applicant shall provide the original and one copy of an application for transfer of ownership to the Division. The Division will retain the original application and send the copy to the relevant local jurisdiction within seven days of receiving the application. See Rule R-1401—Instructions for Local Jurisdictions and Law Enforcement Officers.~~
- ~~7. The Division will not approve a transfer of ownership application without first receiving written notification that the Applicant disclosed the transfer of ownership to the relevant local jurisdiction. If a local jurisdiction elects not to approve or deny a transfer of ownership application, the local jurisdiction must provide written notification~~

acknowledging receipt of the application and the State Licensing Authority shall revoke the state-issued license.

8. ~~The Applicant(s), or proposed transferee(s), for any license shall not operate the Retail Marijuana Establishment identified in the transfer of ownership application until the transfer of ownership request is approved in writing by the State Licensing Authority or its designee. A violation of this requirement shall constitute grounds to deny the transfer of ownership request, may be a violation affecting public safety, and may result in disciplinary action against the Applicant's existing license(s), if applicable.~~
9. ~~All current Direct Beneficial Interest Owner(s), or proposed transferor(s), of the license(s) at issue retain full responsibility for the Retail Marijuana Establishment identified in the transfer of ownership application until the transfer of ownership request is approved in writing by the Division. A violation of this requirement shall constitute grounds to deny the transfer of ownership request, may be a violation affecting public safety, and may result in disciplinary action against the license(s) of the current Direct Beneficial Interest Owners and/or the Retail Marijuana Establishment.~~
10. ~~If a Retail Marijuana Establishment or any of its Direct Beneficial Interest Owners applies to transfer ownership and is involved in an administrative investigation or administrative disciplinary action, the following may apply:~~
 - a. ~~The transfer of ownership may be delayed or denied until the administrative action is resolved; or~~
 - b. ~~If the transfer of ownership request is approved in writing by the Division, the transferee may be responsible for the actions of the Retail Marijuana Establishment and its prior Direct Beneficial Interest Owners, and subject to discipline based upon the same.~~
11. ~~Licensee Initiates Change of Ownership for Permitted Economic Interests. All individuals holding a Permitted Economic Interest who seek to convert to become a Direct Beneficial Interest Owner are subject to this Rule R-205. The Retail Marijuana Establishment must initiate the change of ownership process for an individual holding a Permitted Economic Interest who seeks to convert its interest to become a Direct Beneficial Interest Owner. Permitted Economic Interest holders who are not qualified to become a Direct Beneficial Interest Owner shall not be allowed to convert.~~
12. ~~Retail Marijuana Transporters Not Eligible. Retail Marijuana Transporters are not eligible to apply for change of ownership.~~

~~B. As It Relates to Corporations and Limited Liability Companies~~

1. ~~If the Applicant is a corporation or limited liability company, it shall submit with the application the names, mailing addresses, and background forms of all of its officers, directors, and Direct and Indirect Beneficial Interest Owners; a copy of its articles of incorporation or articles of organization; and evidence of its authorization to do business within this State. In addition, each Applicant shall submit the names, mailing addresses, and, where applicable, certifications of residency or citizenship for all Persons owning any of the outstanding or issued capital stock or holding a membership interest. No publicly traded company may be identified as the proposed recipient of any ownership interest in a Retail Marijuana Establishment.~~
2. ~~Any proposed transfer of capital stock, regardless of the number of shares of capital stock transferred, shall be reported and approved by the State Licensing Authority or its designee and the relevant local jurisdiction at least 30 days prior to such transfer or change. If a local jurisdiction elects not to approve or deny this activity, the local jurisdiction must provide written notification acknowledging receipt of the application.~~

- C. ~~As It Relates to Partnerships.~~ If the Applicant is a general partnership, limited partnership, limited liability partnership, or limited liability limited partnership, it shall submit with the application the names, mailing addresses, background forms and, where applicable, certification of residency or citizenship for all of its partners and a copy of its partnership agreement.
- D. ~~As It Relates to Entity Conversions.~~ Any Licensee that qualifies for an entity conversion pursuant to sections 7-90-201, C.R.S., *et. seq.*, shall not be required to file a transfer of ownership application pursuant to section 44-12-308, C.R.S., upon statutory conversion, but shall submit a report containing suitable evidence of its intent to convert at least 30 days prior to such conversion. Such evidence shall include, but not be limited to, any conversion documents or agreements for conversion at least ten days prior to the date of recognition of conversion by the Colorado Secretary of State. The Licensee shall submit to the Division the names and mailing addresses of any officers, directors, general or managing partners, and all Direct and Indirect Beneficial Owners.
- E. ~~Approval Required.~~ It may be considered a license violation affecting public safety if a Licensee engages in any transfer of ownership without prior approval from the Division and the relevant local jurisdiction.
- F. ~~Applications for Reinstatement Deemed New Applications.~~ The Division will not accept an application for transfer of ownership if the license to be transferred is expired for more than 90 days, is voluntarily surrendered, or is revoked. See Rule R-202—Process for Issuing a New License: Retail Marijuana Establishments.

~~Basis and Purpose—R-206~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(I), 44-12-309(6), 44-12-309(12) and 44-12-303, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(I). The purpose of this rule is to clarify the application process for changing location of a Licensed Premises.~~

~~R-206—Changing Location of Licensed Premises: Retail Marijuana Establishments~~

- A. ~~Application Required to Change Location of Licensed Premises~~
1. ~~A Direct Beneficial Interest Owner of a Retail Marijuana Establishment seeking to change the physical location or address of its Licensed Premises must make application to the Division for permission to change location of its Licensed Premise.~~
 2. ~~Such application shall:~~
 - a. ~~Be made upon current forms prescribed by the Division;~~
 - b. ~~Be complete in every material detail and include remittance of all applicable fees;~~
 - c. ~~Be submitted at least 30 days prior to the proposed change;~~
 - d. ~~Explain the reason for requesting such change;~~
 - e. ~~Be supported by evidence that the application complies with the relevant local jurisdiction requirements; and~~
 - f. ~~Contain a report of the relevant local jurisdiction(s) in which the Retail Marijuana Establishment is to be situated, which report shall demonstrate the approval of the local jurisdiction(s) with respect to the new location. If the relevant local jurisdiction elects not to approve or deny a change of location of Licensed~~

Premises application, the local jurisdiction must provide written notification acknowledging receipt of the application.

B. Permit Required Before Changing Location

1. ~~No change of location shall be permitted until after the Division considers the application, and such additional information as it may require, and issues to the Applicant a permit for such change.~~
2. ~~The permit shall be effective on the date of issuance, and the Licensee shall, within 120 days, change the location of its business to the place specified therein and at the same time cease to operate a Retail Marijuana Establishment at the former location. At no time may a Retail Marijuana Establishment operate or exercise any of the privileges granted pursuant to the license in both locations. For good cause shown, the 120 day deadline may be extended for an additional 120 days. If the Licensee does not change the location of its business within the time period granted by the Division, including any extension, the Licensee shall submit a new application, pay the requisite fees and receive a new permit prior to completing any change of the location of the business.~~
3. ~~The permit shall be conspicuously displayed at the new location, immediately adjacent to the license to which it pertains.~~

C. General Requirements

1. ~~Repealed.~~
2. ~~An Applicant for change of location shall file a change of location application with the Division and pay the requisite change of location fee. See Rule R-210—Schedule of Other Application Fees: All Licensees.~~

Basis and Purpose—R-207

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(a), 44-12-202(2)(b), 44-12-104(1)(a)(I), 44-12-202(3)(a)(II), 44-12-202(3)(a)(XV), 44-12-306(5)(a-b), 44-12-401(1)(a-g), 44-12-103, 44-12-401, 44-11-501, 44-11-502, and 44-12-501, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to clarify the schedules of application fees for new retail business Licensees.

R-207—Schedule of Application Fees: Retail Marijuana Establishments

A. Base Retail Marijuana Application Fees

1. ~~Application Fee for Existing Medical Marijuana Licensees in Good Standing and Qualified Applications.~~
 - a. ~~A Person licensed pursuant to the Medical Code, section 44-11-401, and that meets the requirements of 44-12-104, C.R.S., shall pay a \$500 application fee, for each application submitted, to operate a Retail Marijuana Establishment if the following are met:~~
 - i. ~~The Licensee is operating; and~~
 - ii. ~~The Licensee's license is in good standing. A license in good standing has complied consistently with the provisions of the Medical Code and the regulations adopted pursuant thereto and is not subject to a disciplinary action at the time of the application.~~

2. ~~Application Fee for New Applicants—Retail Marijuana Store, Cultivation Facility, or Product Manufacturer. Applicants that do not meet the criteria in Part A. of this rule are required to pay a \$5000 application fee that must be submitted with each application before it will be considered.~~

3. ~~Retail Marijuana Testing Facility Application Fee—\$1,000.00~~

4. ~~Retail Marijuana Transporter Application Fee—\$1,000.00~~

5. ~~Retail Marijuana Establishment Operator License Application Fee—\$1,000.00~~

~~B. Retail Marijuana Establishment Application Fees for Indirect Beneficial Interest Owners, Qualified Limited Passive Investors and Other Affiliated Interests~~

1. ~~Affiliated Interest that is not an Indirect Beneficial Interest Owner—\$200.00~~

2. ~~Commercially Reasonable Royalty Interest Holder receiving, in the aggregate, a royalty of more than 30 percent—\$400.00~~

3. ~~Commercially Reasonable Royalty Interest Holder receiving, in the aggregate, a royalty of 30 percent or less—\$200.00~~

4. ~~Permitted Economic Interest—\$400.00~~

5. ~~Employee Profit Sharing Plan—\$200.00~~

6. ~~Qualified Limited Passive Investor~~

a. ~~Standard limited initial background check—\$75.00~~

b. ~~Full background check for reasonable cause—\$125.00~~

7. ~~Qualified Institutional Investor—\$200.00~~

~~C. When Application Fees Are Due. All application fees are due at the time a Retail Marijuana Establishment submits an application and/or at the time a Retail Marijuana Establishment submits an application for a new Financial Interest. An Applicant must follow Division policies regarding payment to local jurisdictions.~~

~~Basis and Purpose—R-208~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(a), 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), and 44-12-401(1)(a-g), 44-12-103, 44-11-501, 44-11-502, 44-12-304, and 44-12-501, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish basic requirements for all Division applications and help the regulated community understand procedural licensing requirements.~~

~~R-208—Schedule of Business License Fees: Retail Marijuana Establishments~~

~~A. License Fees—Medical Marijuana Business Converting To or Adding a Retail Marijuana Establishment Pursuant to 44-12-104(1)(a)(I).~~

1. ~~Medical Marijuana Center Applying For A Retail Marijuana Store License—\$2,000.00~~

2. ~~Retail Marijuana Cultivation Facility License (Tier 1: 1—1,800 plants)—\$1,500.00~~

3. ~~Expanded Production Management Fees for Licensees who apply and are approved by the Division pursuant to Rule R 506(E) for an increased production management tier:~~
- a. ~~Expanded Production Management Fee for Tier 2 (1,801 — 3,600 plants) — \$1,000.00~~
 - b. ~~Expanded Production Management Fee for Tier 3 (3,601 — 6,000 plants) — \$2,000.00~~
 - c. ~~Expanded Production Management Fee for Tier 4 (6,001 — 10,200 plants) — \$4,000.00~~
 - d. ~~Expanded Production Management Fee for Tier 5 (10,201 — 13,800 plants) — \$6,000.00~~
 - e. ~~Expanded Production Management Fee for each additional tier of 3,600 plants over Tier 5 — \$6,000.00 plus an additional \$1,000.00 for each tier of 3, 600 plants over Tier 5.~~
4. ~~Retail Marijuana Products Manufacturing License — \$1,500.00~~
- B. ~~Retail Marijuana Transporter License Fee — \$4,400.00~~
- C. ~~Retail Marijuana Establishment Operator License Fee — \$2,200.00~~
- D. ~~License Fees — New Retail Marijuana Establishment Applicants That Have Applied Pursuant To 44-12-104(1)(b):~~
- 1. ~~Retail Marijuana Store License — \$2,000.00~~
 - 2. ~~Retail Marijuana Cultivation Facility License (Tier 1: 1 — 1,800 plants) — \$1,500.00~~
 - 3. ~~Expanded Production Management Fees for Applicants with an increased production management tier approved by the Division pursuant to rule R 506(E):~~
 - a. ~~Expanded Production Management Fee for Tier 2 (1,801 — 3,600 plants) — \$1,000.00~~
 - b. ~~Expanded Production Management Fee for Tier 3 (3,601 — 6,000 plants) — \$2,000.00~~
 - c. ~~Expanded Production Management Fee for Tier 4 (6,001 — 10,200 plants) — \$4,000.00~~
 - d. ~~Expanded Production Management Fee for Tier 5 (10,201 — 13,800 plants) — \$6,000.00~~
 - e. ~~Expanded Production Management Fee for each additional tier of 3,600 plants over Tier 5 — \$1,000.00~~
 - 4. ~~Retail Marijuana Products Manufacturing License — \$1,500.00~~
 - 5. ~~Retail Marijuana Testing Facility License — \$1,500.00~~
- E. ~~When License Fees Are Due. All license fees are due at the time an application is submitted.~~

F. ~~If Application is Denied.~~ If an application is denied, an Applicant may request that the State Licensing Authority refund the license fee after the denial appeal period has lapsed or after the completion of the denial appeal process, whichever is later.

Basis and Purpose—R 209

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(a), 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), 44-12-310(3)(a), 44-12-401(1)(a-g), 44-12-103, 44-12-401, 44-11-501, 44-11-502, 44-12-304, and 44-12-501, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish basic requirements for all Division applications and help the regulated community understand procedural licensing requirements. The purpose of the 2018 modifications are to provide greater clarity regarding how the Division calculates fees due at renewal and not to increase the fees actually paid.

R 209—Schedule of Business License Renewal Fees: Retail Marijuana Establishments

A. ~~Renewal Fee Amount and Due Date.~~ In addition to the Medical Marijuana Business-specific renewal fee, all Licensees shall pay a renewal fee of \$300. Renewal license and processing fees are due at the time the renewal application is submitted.

B. ~~Late Renewal Application and Fee Pursuant to 44-12-310(2)(a), C.R.S.~~ A Licensee whose license has been expired for no more than 90 days may file a late renewal application upon payment of a late renewal fee. The late renewal fee is non-refundable and shall be \$500. This late renewal fee must be paid in addition to the \$300 renewal fee required pursuant to paragraph A of this rule R 209.

C. ~~Renewal Fees.~~

1. ~~Retail Marijuana Store—\$1,500.00~~
2. ~~Retail Marijuana Cultivation Facility License (Tier 1: 1—1,800 plants)—\$1,500.00~~
3. ~~Expanded Production Management Renewal Fees for Applicants with an increased production management tier approved by the Division pursuant to Rule R 506(E). In addition to subparagraph (C)(2), the following fees apply for each expanded production management tier:~~
 - a. ~~Expanded Production Management Renewal Fee for Tier 2 (1,801—3,600 plants)—\$800.00~~
 - b. ~~Expanded Production Management Renewal Fee for Tier 3 (3,601—6,000 plants)—\$1,500.00~~
 - c. ~~Expanded Production Management Renewal Fee for Tier 4 (6,001—10,200 plants)—\$3,000.00~~
 - d. ~~Expanded Production Management Renewal Fee for Tier 5 (10,201—13,800 plants)—\$5,000.00~~
 - e. ~~Expanded Production Management Renewal Fee for each additional tier of 3,600 plants over Tier 5—\$5,000.00 plus an additional \$800.00 for each additional tier of 3,600 plants over Tier 5.~~
4. ~~Retail Marijuana Products Manufacturing License—\$1,500.00~~
5. ~~Retail Marijuana Testing Facility License—\$1,500.00~~

6. ~~Retail Marijuana Transporter License—\$4,400.00~~

7. ~~Retail Marijuana Establishment Operator License—\$2,200.00~~

D. ~~If Renewal Application is Denied.~~ If an application for renewal is denied, an Applicant may request that the State Licensing Authority refund the license fee after the denial appeal period has lapsed or after the completion of the denial appeal process, whichever is later.

~~Basis and Purpose—R 210~~

The statutory authority for this rule includes but is not limited to sections ~~44-12-202(2)(a), 44-11-1101, 44-11-1102, 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), 44-12-103, 44-12-401, 44-11-501, 44-11-502, 44-12-501, and 44-12-202(2)(a)(XXII), C.R.S.~~ Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish basic requirements for all Division applications and help the regulated community understand procedural licensing requirements.

~~R 210—Schedule of Other Application Fees: All Licensees~~

A. ~~Other Application Fees.~~ The following application fees apply:

1. ~~Transfer of Ownership—New Owners—\$1,600.00~~

2. ~~Transfer of Ownership—Reallocation of Ownership—\$1,000.00~~

3. ~~Change of Corporation or LLC Structure—\$800.00~~

4. ~~Change of Trade Name—\$50.00~~

5. ~~Change of Location Application Fee—\$500.00~~

6. ~~Modification of Licensed Premises—\$100.00~~

7. ~~Duplicate Business License—\$20.00~~

8. ~~Duplicate Occupational License—\$20.00~~

9. ~~Off Premises Storage Permit—\$1,500.00~~

10. ~~Retail Marijuana Transporter Off Premises Storage Permit—\$2,200.00~~

11. ~~Responsible Vendor Program Provider Application Fee: \$850.00~~

12. ~~Responsible Vendor Program Provider Renewal Fee: \$350.00~~

13. ~~Responsible Vendor Program Provider Duplicate Certificate Fee: \$50.00~~

14. ~~Temporary Appointee Registration finding of suitability~~

a. ~~Individual—\$225.00~~

b. ~~Entity—\$800.00~~

~~15. Centralized Distribution Permit—\$20.00~~

B. ~~When Other Application Fees Are Due.~~ All other application fees are due at the time the application and/or request is submitted.

Basis and Purpose—R 211

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(I-II), 44-12-202(3)(c)(VIII), 44-12-202(4)(a-b), 44-12-103, 44-12-104, and 44-12-501, C.R.S. The purpose of this rule is to clarify that, with the exception of Medical Marijuana Testing Facilities, Medical Marijuana Business Operators and Medical Marijuana Business Transporters, an existing Medical Marijuana Business may apply to convert a Medical Marijuana Business License to a Retail Marijuana Establishment License or may apply to obtain one additional license to operate a Retail Marijuana Establishment. It is important to note that the State Licensing Authority considers each license issued as separate and distinct. Each license, whether it is in the same location or not, is fully responsible to maintain compliance with all statutes and rules promulgated regardless of whether or not they are located in a shared address.

A Medical Marijuana Business may only obtain one Retail Marijuana Establishment License, whether it converts the Medical Business License or obtains a Retail Marijuana Establishment License, for each Medical Marijuana Business License it holds. In order to ensure all Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product are tracked in the Inventory Tracking System and as a condition of licensure, a Medical Marijuana Business must declare in the Inventory Tracking System all Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana Infused Product that are converted for Transfer as Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product prior to initiating or allowing any Transfers. This declaration may be made only once, in part, due to the excise tax issues that may be implicated if a Licensee makes multiple conversions from Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana Infused Product to Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product. Beginning July 1, 2016, the only allowed Transfer of marijuana between a Medical Marijuana Business and Retail Marijuana Establishment is the Transfer of Medical Marijuana and Medical Marijuana Concentrate that was produced at the Optional Premises Cultivation Operation, from the Optional Premises Cultivation Operation to a Retail Marijuana Cultivation Facility. The marijuana subject to the one-time Transfer is subject to the excise tax upon the first Transfer from the Retail Marijuana Cultivation Facility to another Retail Marijuana Establishment.

The State Licensing Authority received several comments from stakeholders who requested lower fees for Medical Marijuana Businesses that were either converting a Medical Marijuana Business license to a Retail Marijuana Establishment license or obtaining an additional Retail Marijuana Establishment license while retaining the existing Medical Marijuana Business license. The adopted permanent regulations reflect changes to address this concern. Under the rules as adopted Medical Marijuana Businesses that apply to convert to a Retail Marijuana Establishment license will be required to pay an application fee, but no license fees will be charged until such time as the renewal fees would have been due under the Medical Marijuana Business license term. The Retail Marijuana Establishment license, if approved, would assume the balance of the license term from the Medical Marijuana Business license and have the same expiration date.

This rule also informs existing and prospective licensees of production management conditions. The State Licensing Authority intends to replace or revise this rule's production management provisions as early as January 2017 by transitioning to an output-based production management model. Existing and prospective licensees should be on notice that the new or revised regulations may impact the production limits provided for in this rule. Additionally, throughout the rulemaking process stakeholders expressed concern over ensuring an adequate amount of licensed Retail Marijuana Stores exist to Transfer the amount of Retail Marijuana being produced at licensed Retail Marijuana Cultivation Facilities. Scaling the number of interests a person may hold in Retail Marijuana Cultivation Facility licenses relative to the number of controlling interests the person has in Retail Marijuana Store(s) has been incorporated in the production management rules as a means to address this production management concern.

R 211—Conversion—Medical Marijuana Business to Retail Marijuana Establishment Pursuant to 44-12-104(1)(a)(I), C.R.S.

A. ~~Medical Marijuana Business Applying for a Retail Marijuana Establishment License.~~ Except for a Medical Marijuana Testing Facility, a Medical Marijuana Business Operator or a Medical Marijuana Business Transporter, a Medical Marijuana Business in good standing or who had a pending application as of December 10, 2012 that has not yet been denied, and who has paid all applicable fees may apply for a Retail Marijuana Establishment license in accordance with the Retail Code and these rules on or after October 1, 2013. A Medical Marijuana Business meeting these conditions may apply to convert a Medical Marijuana Business license to a Retail Marijuana Establishment license or may apply for a single Retail Marijuana Establishment of the requisite class of license in the Medical Marijuana Code for each Medical Marijuana Business License not converted.

B. ~~Retail Marijuana Establishment Expiration Date.~~

1. ~~A Medical Marijuana Business converting its license to a Retail Marijuana Establishment license shall not be required to pay a license fee at the time of application for conversion.~~
2. ~~If a Medical Marijuana Business licensee is scheduled to renew its license during the processing of its conversion to a Retail Marijuana Establishment license, the Medical Marijuana Business must complete all renewal applications and pay the requisite renewal licensing fees.~~
3. ~~A Retail Marijuana Establishment license that was fully converted from a Medical Marijuana Business license will assume the balance of licensing term previously held by the surrendered Medical Marijuana Business license.~~

C. ~~Retail Marijuana Establishment Licenses Conditioned~~

1. ~~It shall be unlawful for a Retail Marijuana Establishment to operate without being issued a Retail Marijuana Establishment license by the State Licensing Authority and receiving all relevant local jurisdiction approvals. Each Retail Marijuana Establishment license issued shall be conditioned on the Licensee's receipt of all required local jurisdiction approvals and licensing, if required.~~
2. ~~Each Retail Marijuana Establishment license issued shall be conditioned on the Medical Marijuana Business' declaration of the amount of Medical Marijuana, Medical Marijuana Concentrate, or Medical Marijuana-Infused Product it intends to Transfer from the requisite Medical Marijuana Business for sale as Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product. A Licensee that converts to a Retail Marijuana Establishment shall not exercise any of the rights or privileges of a Retail Marijuana Establishment until such time as all such Medical Marijuana, Medical Marijuana Concentrate, and Medical Marijuana-Infused Product are fully Transferred and declared in the Inventory Tracking System as Retail Marijuana, Retail Marijuana Concentrate, and Retail Marijuana Product. See Rule R-309—Inventory Tracking System. Beginning July 1, 2016, the only allowed Transfer of marijuana between a Medical Marijuana Business and Retail Marijuana Establishment is the Transfer of Medical Marijuana and Medical Marijuana Concentrate that was produced at the Optional Premises Cultivation Operation, from the Optional Premises Cultivation Operation to a Retail Marijuana Cultivation Facility.~~

D. ~~One-Time Transfer~~

1. ~~Repealed.~~
- 1.5. ~~Beginning July 1, 2016, the only allowed Transfer of marijuana between a Medical Marijuana Business and a Retail Marijuana Establishment is the Transfer of Medical Marijuana and Medical Marijuana Concentrate that was produced at the Optional Premises Cultivation Operation, from the Optional Premises Cultivation Operation to a Retail Marijuana Cultivation Facility. All other Transfers are prohibited, including but not~~

limited to Transfers from a Medical Marijuana Center or Medical Marijuana-Infused Products Manufacturer to any Retail Marijuana Establishment. Once a Retail Marijuana Establishment has declared Medical Marijuana and Medical Marijuana Concentrate as Retail Marijuana or Retail Marijuana Concentrate in the Inventory Tracking System and begun exercising the rights and privileges of the license, no additional Medical Marijuana or Medical Marijuana Concentrate can be Transferred from the Medical Marijuana Business to the relevant Retail Marijuana Establishment at any time.

E. Additional Application Disclosures.

1. At the time of application for a Retail Marijuana Store license an Applicant must designate the Medical Marijuana Center license intended to be used to obtain the Retail Marijuana Store license, whether or not that license will be converted, by providing its business license number.
2. At the time of application for a Retail Marijuana Products Manufacturing Facility license an Applicant must designate the Medical Marijuana Infused-Products Manufacturing Business license intended to be used to obtain the Retail Marijuana Products Manufacturing license, whether or not that license will be converted, by providing its business license number.
3. At the time of application for a Retail Marijuana Cultivation Facility license an Applicant must designate the Optional Premises Cultivation Operation license intended to be used to obtain the Retail Marijuana Cultivation Facility license, whether or not that license will be converted, by providing its business license number.

F. One Retail Cultivation License per Licensed Premises.

1. Only one Retail Marijuana Cultivation Facility License shall be permitted at each Licensed Premises. Each Licensed Premises must be located at a distinct address recognized by the local jurisdiction. Each Licensed Premises must have its own public entrance and be securely and physically separated from any other address located within the same structure.
2. Existing Retail Marijuana Cultivation Facilities that have Multiple Cultivation Licenses at the Licensed Premises. Upon the first renewal at the Retail Marijuana Cultivation Facility, all of the Retail Marijuana Cultivation Facility's licenses will be collapsed into one surviving license, and fees shall be prorated for the non-expiring licenses. The maximum authorized plant count shall also collapse into the surviving license. See rule R-506—Retail Marijuana Cultivation Facility: Production Management.

G. Authorized Plant Count and Associated Fees.

1. All Retail Marijuana Cultivation Facility licenses granted on or after November 30, 2015 shall be authorized to cultivate no more than 1,800 plants at any given time and are subject to the production management requirements of Rule R-506—Retail Marijuana Cultivation Facility: Production Management.
2. All Retail Marijuana Cultivation Facility licenses granted before November 30, 2015 are subject to the production management requirements of Rule R-506—Retail Marijuana Cultivation Facility: Production Management.
3. As of November 30, 2015, a Retail Marijuana Cultivation Facility license that was associated with a Retail Marijuana Products Manufacturing Facility shall be authorized to cultivate no more than 1,800 plants at any given time. If such a Retail Marijuana Cultivation Facility licensee submitted a plant count waiver application prior to August 31, 2015 and it was subsequently approved, the license shall be authorized to cultivate the maximum number of plants at any given time in the corresponding production

management tier pursuant to Rule R 506—Retail Marijuana Cultivation Facility: Production Management.

4. ~~Upon demonstrating certain conditions, the Direct Beneficial Interest Owner/s of an existing Retail Marijuana Cultivation Facility license may apply to the Division for a production management tier increase to be authorized to cultivate the number of plants in the next highest production management tier. See Rule R 506—Retail Marijuana Cultivation Facility: Production Management. If the application is approved, the Licensee shall pay the applicable expanded production management tier fee prior to cultivating the additional authorized plants. See Rule R 208—Schedule of Business License Fees: Retail Marijuana Establishments.~~
5. ~~At renewal, a Licensee that is authorized to cultivate more than 1,800 plants shall pay the requisite Retail Marijuana Cultivation Facility licensee fee and the applicable expanded production management tier fee. See Rule R 209—Schedule of Business License Renewal Fees: Retail Marijuana Establishments.~~
6. ~~At renewal, the Division will review a Licensee's maximum authorized plant count and may reduce it pursuant to the requirements of Rule R 506.~~
7. ~~The State Licensing Authority, in its sole discretion, may adjust any of the plant limits described in this rule on an industry wide aggregate basis for all Retail Marijuana Cultivation Facility Licensees subject to that limitation.~~

~~H. Maximum Allowed Retail Marijuana Cultivation Facility Licenses.~~

1. ~~A Person that is a Direct Beneficial Interest Owner in Three or More Retail Marijuana Cultivation Facility Licenses. For every multiple of three Retail Marijuana Cultivation Facility licenses in which a Person is a Direct Beneficial Interest Owner in, the Person must also be a Direct Beneficial Interest Owner in at least one Retail Marijuana Store. For example: (1) a Person that is a Direct Beneficial Interest Owner in three, four, or five Retail Marijuana Cultivation Facility licenses also must be a Direct Beneficial Interest Owner in at least one Retail Marijuana Store; (2) a Person that is a Direct Beneficial Interest Owner in six, seven, or eight Retail Marijuana Cultivation Facility licenses also must be a Direct Beneficial Interest Owner in at least two Retail Marijuana Stores; (3) a Person that is a Direct Beneficial Interest Owner in nine, ten, or eleven Retail Marijuana Cultivation Facility licenses also must be a Direct Beneficial Interest Owner in at least three Retail Marijuana Stores; etc.~~
2. ~~A Person that is a Direct Beneficial Interest Owner in Less than Three Retail Marijuana Cultivation Facility Licenses. A Person that is a Direct Beneficial Interest Owner in less than three Retail Marijuana Cultivation Facility licenses shall not be required to be a Direct Beneficial Interest Owner in a Retail Marijuana Store.~~

Basis and Purpose—R 212

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(I-II), 44-12-202(3)(c)(VIII), 44-12-202(4)(a-b), 44-12-103, 44-12-104, and 44-12-501, C.R.S. This rule also informs existing and prospective licensees licensed pursuant to 44-12-104(1)(b), C.R.S. of licensing and production management conditions. The State Licensing Authority intends to replace or revise this rule's production management provisions as early as January 2017 by transitioning to an output-based production management model. Existing and prospective licensees should be on notice that the new or revised regulations may impact the production limits provided for in this rule. Additionally, throughout the rulemaking process stakeholders expressed concern over ensuring an adequate amount of licensed Retail Marijuana Stores exist to Transfer the amount of Retail Marijuana being produced at licensed Retail Marijuana Cultivation Facilities. Scaling the number of interests a Person may hold in Retail Marijuana Cultivation Facility licenses relative to the number of controlling interests the Person has

in Retail Marijuana Store(s) has been incorporated in the production management rules as a means to address this production management concern.

~~R 212 — New Applicant Retail Marijuana Cultivation Facilities Licensed Pursuant To 44-12-104(1)(b), C.R.S.~~

A. ~~Applicability. This Rule R 212 shall apply to all new Applicant Retail Marijuana Cultivation Facility Licenses granted after September 30, 2014 pursuant to 44-12-104(1)(b), C.R.S.~~

B. ~~One Retail Cultivation License per Licensed Premises.~~

1. ~~Only one Retail Marijuana Cultivation Facility License shall be permitted at each Licensed Premises. Each Licensed Premises must be located at a distinct address recognized by the local jurisdiction. Each Licensed Premises must have its own public entrance and be securely and physically separated from any other address located within the same structure.~~
2. ~~Existing Retail Marijuana Cultivation Facilities that have Multiple Cultivation Licenses at the Licensed Premises. Upon the first renewal at the Retail Marijuana Cultivation Facility, all of the Retail Marijuana Cultivation Facility's licenses will be collapsed into one surviving license, and fees shall be prorated for the non-expiring licenses. The maximum authorized plant count shall also collapse into the surviving license. See Rule R 506 — Retail Marijuana Cultivation Facility: Production Management.~~

C. ~~Authorized Plant Count and Associated Fees.~~

1. ~~All Retail Marijuana Cultivation Facility licenses granted on or after November 30, 2015 shall be authorized to cultivate no more than 1,800 plants at any given time and are subject to the production management requirements of Rule R 506 — Retail Marijuana Cultivation Facility: Production Management.~~
2. ~~All Retail Marijuana Cultivation Facility licenses granted before November 30, 2015 are subject to the production management requirements of Rule R 506 — Retail Marijuana Cultivation Facility: Production Management.~~
3. ~~As of November 30, 2015, a Retail Marijuana Cultivation Facility license that was associated with a Retail Marijuana Products Manufacturing Facility shall be authorized to cultivate no more than 1,800 plants at any given time. If such a Retail Marijuana Cultivation Facility licensee submitted a plant count waiver application prior to August 31, 2015 and it was subsequently approved, the license shall be authorized to cultivate the maximum number of plants at any given time in the corresponding production management tier pursuant to Rule R 506 — Retail Marijuana Cultivation Facility: Production Management.~~
4. ~~Upon demonstrating certain conditions, the Direct Beneficial Interest Owner/s of an existing Retail Marijuana Cultivation Facility license may apply to the Division for a production management tier increase to be authorized to cultivate the number of plants in the next highest production management tier. See rule R 506 — Retail Marijuana Cultivation Facility: Production Management. If the application is approved, the Licensee shall pay the applicable expanded production management tier fee prior to cultivating the additional authorized plants. See Rule R 208 — Schedule of Business License Fees: Retail Marijuana Establishments.~~
5. ~~At renewal, a Licensee that is authorized to cultivate more than 1,800 plants shall pay the requisite Retail Marijuana Cultivation Facility licensee fee and the applicable expanded production management tier fee. See Rule R 209 — Schedule of Business License Renewal Fees: Retail Marijuana Establishments.~~

6. ~~At renewal, the Division will review a Licensee's maximum authorized plant count and may reduce it pursuant to the requirements of Rule R 506.~~
7. ~~The State Licensing Authority, at its sole discretion, may adjust any of the plant limits described in this rule on an industry-wide aggregate basis for all Retail Marijuana Cultivation Facility Licensees subject to that limitation.~~

~~D. Maximum Allowed Retail Marijuana Cultivation Facility Licenses.~~

1. ~~A Person with an Interest in Three or More Retail Marijuana Cultivation Facility Licenses. For every multiple of three Retail Marijuana Cultivation Facility licenses a Person has an interest in, the Person must have a controlling interest in at least one Retail Marijuana Store. For example: (1) a Person with an interest in three, four, or five Retail Marijuana Cultivation Facility licenses also must have a controlling interest in at least one Retail Marijuana Store; (2) a Person with an interest in six, seven, or eight Retail Marijuana Cultivation Facility licenses also must have a controlling interest in at least two Retail Marijuana Stores; (3) a Person with an interest in nine, ten, or eleven Retail Marijuana Cultivation Facility licenses also must have a controlling interest in at least three Retail Marijuana Stores; etc.~~
2. ~~A Person with an Interest in Less than Three Retail Marijuana Cultivation Facility Licenses. The Person shall not be required to have an interest in a Retail Marijuana Store.~~

~~R 230 — Repealed Effective January 1, 2017.~~

~~Basis and Purpose — R 231~~

~~The statutory authority for this rule includes but is not limited to sections 44-11-201(3), 44-12-202(2)(b), 44-12-202(3)(a)(III), 24-18-105(3), 44-12-103, 44-12-304, 44-12-305, 44-12-306, and 24-76.5-101, et seq., C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(III). The purpose of this rule is to clarify the qualifications for licensure, including, but not limited to, background investigations for Direct Beneficial Interest Owners, Indirect Beneficial Interest Owners, contractors, employees, and other support staff of licensed entities.~~

~~R 231 — Qualifications for Licensure and Residency~~

- A. ~~Any Applicant may be required to establish his or her identity and age by any document required for a determination of Colorado residency, United States citizenship or lawful presence.~~
- B. ~~Ongoing Licensing Qualification. Failure to maintain the qualifications for licensure may constitute grounds for discipline, including but not limited to suspension, revocation, or fine.~~
 - B.1 ~~Duty to Report Offenses. An Applicant or Licensee shall notify the Division in writing of any felony criminal charge and felony conviction against such Person within ten days of such person's arrest or felony summons, and within ten days of the disposition of any arrest or summons. Failure to make proper notification to the Division may be grounds for disciplinary action. Applicants and Licensees shall notify the Division within ten days of any other event that renders the Applicant or Licensee no longer qualified under these rules. Licensees shall cooperate in any investigation conducted by the Division. This duty to report includes, but is not limited to, deferred sentences or judgments that are not sealed. If the Division lawfully finds a disqualifying event and an Applicant asserts that the record was sealed, the Division may require the Applicant to provide proof from a court evidencing the sealing of the case.~~
- C. ~~Application Forms Accessible to Law Enforcement and Licensing Authorities. All application forms supplied by the Division and filed by an Applicant for licensure shall be accessible by the State Licensing Authority, local jurisdictions, and any state or local law enforcement agent.~~

- ~~D. Associated Key Licenses. Each Direct Beneficial Interest Owner who is a natural person, including but not limited to each officer, director, member or partner of a Closely Held Business Entity, must apply for and hold at all times a valid Associated Key License. Except that these criteria shall not apply to Qualified Limited Passive Investors, who are not required to hold Associated Key Licenses. Each such Direct Beneficial Interest Owner must establish that he or she meets the following criteria before receiving an Associated Key License:~~
- ~~1. The Applicant has paid the annual application and licensing fees;~~
 - ~~2. The Applicant's criminal history indicates that he or she is of Good Moral Character;~~
 - ~~3. The Applicant is not employing, or financed in whole or in part, by any other Person whose criminal history indicates that he or she is not of Good Moral Character;~~
 - ~~4. The Applicant is at least 21 years of age;~~
 - ~~5. The Applicant has paid all taxes, interest, or penalties due the Department of Revenue relating to a Retail Marijuana Establishment or Medical Marijuana Business, if applicable;~~
 - ~~6. The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony in the five years immediately preceding his or her application date;~~
 - ~~7. The Applicant meets qualifications for licensure that directly and demonstrably relate to the operation of a Retail Marijuana Establishment;~~
 - ~~8. The Applicant is not currently subject to or has not discharged a sentence for a conviction of a felony pursuant to any state or federal law regarding the possession, distribution, manufacturing, cultivation, or use of a controlled substance in the ten years immediately preceding his or her application date or five years from May 28, 2013, whichever is longer, except that the State Licensing Authority may grant a license to a Person if the Person has a state felony conviction based on possession or use of marijuana or marijuana concentrate that would not be a felony if the Person were convicted of the offense on the date he or she applied for a license;~~
 - ~~9. The Applicant does not employ another person who does not have a valid Occupational License issued pursuant to either the Retail Code or the Medical Code.~~
 - ~~10. The Applicant is not a sheriff, deputy sheriff, police officer, or prosecuting officer, or an officer or employee of the State Licensing Authority or a local licensing authority;~~
 - ~~11. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for individuals, Retail Marijuana Establishments and/or Medical Marijuana Businesses licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application;~~
 - ~~12. The premises that the Applicant proposes to be licensed is not currently licensed as a retail food establishment or wholesale food registrant;~~
 - ~~13. The Applicant either:~~
 - ~~a. Has been a resident of Colorado for at least one year prior to the date of the application, or~~
 - ~~b. Has been a United States citizen since a date prior to the date of the application and has received a Finding of Suitability from the Division prior to filing the application. See Rule R 231.1—Finding of Suitability, Residency and~~

~~Requirements for Direct Beneficial Interest Owners; Rule R 232—Factors
Considered When Determining Residency and Citizenship: Individuals.~~

- ~~14. For Associated Key Licensees who are owners of a Closely Held Business Entity, the Applicant is a United States citizen.~~
 - ~~15. The Applicant has not failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division received notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.~~
- ~~E. Occupational Licenses. An Occupational License Applicant who is not applying for an Associated Key License must establish that he or she meets the following criteria before receiving an Occupational License:~~
- ~~1. The Applicant has paid the annual application and licensing fees;~~
 - ~~2. The Applicant's criminal history indicates that he or she is of Good Moral Character;~~
 - ~~3. The Applicant is at least 21 years of age;~~
 - ~~4. The Applicant is currently a resident of Colorado. See Rule R 232—Factors Considered When Determining Residency and Citizenship: Individuals;~~
 - ~~5. The Applicant has paid all taxes, interest, or penalties due the Department of Revenue relating to a Medical Marijuana Business or Retail Marijuana Establishment;~~
 - ~~6. The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony in the five years immediately preceding his or her application date;~~
 - ~~7. The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony pursuant to any state or federal law regarding the possession, distribution, manufacturing, cultivation, or use of a controlled substance in the ten years immediately preceding his or her application date or five years from May 28, 2013, whichever is longer, except that the State Licensing Authority may grant a license to a person if the person has a state felony conviction based on possession or use of marijuana or marijuana concentrate that would not be a felony if the person were convicted of the offense on the date he or she applied for a license;~~
 - ~~8. The Applicant is not a sheriff, deputy sheriff, police officer, or prosecuting officer, or an officer or employee of the State Licensing Authority or a local jurisdiction; and~~
 - ~~9. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for occupational licensees, Retail Marijuana Establishments and/or Medical Marijuana Businesses licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.~~
 - ~~10. The Applicant has not failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division received notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.~~
- ~~F. Current Medical Marijuana Occupational Licensees.~~

1. ~~An individual who holds a current, valid Occupational License issued pursuant to the Medical Code may also work in a Retail Marijuana Establishment; no separate Occupational License is required.~~
2. ~~Repealed.~~
- G. ~~Associated Key License Privileges. A person who holds an Associated Key License must associate that license separately with each Retail Marijuana Establishment or Medical Marijuana Business with which the person is associated by submitting a form approved by the Division. A person who holds an Associated Key License may exercise the privileges of a licensed employee in any licensed Retail Marijuana Establishment or Medical Marijuana Business in which they are not an owner so long as the person does not exercise privileges of ownership.~~
- H. ~~Qualified Limited Passive Investor. An Applicant who wishes to be a Qualified Limited Passive Investor and hold an interest in a Retail Marijuana Establishment as a Direct Beneficial Interest Owner must establish that he or she meets the following criteria before the ownership interest will be approved:~~
 1. ~~He or she is a natural person;~~
 2. ~~The Applicant qualifies under Rule R-231.2(B);~~
 3. ~~He or she has been a United States citizen since a date prior to the date of the application, and~~
 4. ~~He or she has signed an affirmation of passive investment.~~
- I. ~~Workforce Training or Development Residency Exempt License. An Applicant who wishes to obtain a workforce development or training exemption to the license residency requirement may only apply for a Support License or a Key License and must:~~
 1. ~~Submit a complete application on the Division's approved forms;~~
 2. ~~Establish he or she meets the licensing criteria of Rule R-231(E)(1)-(3) and 231(E)(5)-(9) for Occupational Licensees;~~
 3. ~~Provide evidence of proof of lawful presence; and~~
 4. ~~Provide a complete Workforce Training or Development Affirmation form executed under penalty of perjury.~~
- J. ~~Evaluating an Individual's Good Moral Character Based on His or Her Criminal History.~~
 1. ~~In evaluating whether a Person is prohibited as a licensee pursuant to section 44-12-306(1)(b) or (c), C.R.S., based on a determination that the individual's criminal history indicates he or she is not of Good Moral Character, the Division will not consider the following:~~
 - a. ~~The mere fact an individual's criminal history contains an arrest(s) or charge(s) of a criminal offense that is not actively pending;~~
 - b. ~~A conviction of a criminal offense in which the Applicant/Licensee received a pardon;~~
 - c. ~~A conviction of a criminal offense which resulted in the sealing or expungement of the record; or~~

- d. ~~A conviction of a criminal offense in which a court issued an order of collateral relief specific to the application for state licensure.~~
2. ~~In evaluating whether a Person is prohibited as a licensee pursuant to section 44-12-306(1)(b) or (c), C.R.S., based on a determination that the individual's criminal history indicates he or she is not of Good Moral Character, the Division may consider the following history:~~
 - a. ~~Any felony conviction(s);~~
 - b. ~~Any conviction(s) of crimes involving moral turpitude;~~
 - c. ~~Pertinent circumstances connected with the conviction(s); and~~
 - d. ~~Conduct underlying arrest(s) or charge(s) or a criminal offense for which the criminal case is not actively pending.~~
3. ~~When considering any criminal history set forth in subparagraphs 1 & 2 above, the Division will consider:~~
 - a. ~~Whether there is a direct relationship between the conviction(s) and the duties and responsibilities of holding a state license issued pursuant to the Medical or Retail Codes;~~
 - b. ~~Any information provided to the Division regarding the individual's rehabilitation, which may include but is not limited to the following non-exhaustive considerations:~~
 - i. ~~Character references;~~
 - ii. ~~Educational, vocational and community achievements, especially those achievements occurring during the time between the individual's most recent criminal conviction and the application for a state license;~~
 - iii. ~~Successful Participation in an alcohol or drug treatment program;~~
 - iv. ~~That the individual truthfully and fully reported the criminal conduct to the Division;~~
 - v. ~~The individual's employment history after conviction or release, including but not limited to whether the individual was vetted and approved to hold a state or out-of-state license for the purposes of employment within a regulated industry;~~
 - vi. ~~The individual's successful compliance with any conditions of parole or probation imposed after conviction or release; or~~
 - vii. ~~Any other facts and circumstances tending to show the Applicant has been rehabilitated and is ready to accept the responsibilities of a law-abiding and productive member of society.~~
- K. ~~Compliance with Child Support Obligations. An Applicant for an Occupational License must be in compliance with all court or administrative orders for current child support, child support debt, retroactive child support, or child support arrearages. An Occupational License application may be denied if the Division receives notice of noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S.~~

Basis and Purpose – R 231.1

The statutory authority for this rule includes but is not limited to sections 44-11-201(3), 44-12-202(2)(b), 44-12-202(3)(a)(III), 24-18-105(3), 44-12-202(3)(a)(XXI), 44-12-103, 44-12-303, 44-12-304, 44-12-306, and 24-76.5-101, *et seq.*, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(III). The purpose of this rule is to clarify the qualifications for Direct Beneficial Interest Owners.

R 231.1 – Finding of Suitability, Residency and Reporting Requirements for Direct Beneficial Interest Owners

~~A. Finding of Suitability – Non-Resident Direct Beneficial Interest Owners. A natural person, owner, shareholder, director, officer, member or partner of an entity that intends to apply to become a Direct Beneficial Interest Owner who has not been a resident of Colorado for at least one year prior to the application shall first submit a request to the State Licensing Authority for a finding of suitability to become a Direct Beneficial Interest Owner as follows:~~

- ~~1. A request for a finding of suitability for a non-resident natural person shall be submitted on the forms prescribed by the Division.~~
- ~~2. A natural person or all owners, shareholders, directors, officers, members or partners of an entity who have not been a resident of Colorado for at least one year shall obtain a finding of suitability prior to submitting an application to become a Direct Beneficial Interest Owner to the State Licensing Authority.~~
- ~~3. A finding of suitability is valid for one year from the date it is issued by the Division. If more than one year has passed since the Division first issued a finding of suitability to a natural person, owner, shareholder, director, officer, member or partner of an entity that intends to apply to become a Direct Beneficial Interest Owner who has not been a resident of Colorado for at least one year prior to the application, then such applicant shall submit a new request for finding of suitability to the State Licensing Authority and obtain a new finding of suitability before submitting any application to become a Direct Beneficial Interest Owner to the State Licensing Authority. All recipients of a finding of suitability shall disclose in writing to the Division any and all disqualifying events within ten days after occurrence of the event that could lead to a finding that the recipient no longer qualifies to become a Direct Beneficial Interest Owner.~~
- ~~4. The failure of a non-Colorado resident, who is not already a Direct Beneficial Interest Owner, to obtain a finding of suitability within the year prior to submission of an application to become a Direct Beneficial Interest Owner to the State Licensing Authority shall be grounds for denial of the application.~~

~~B. Number of Permitted Direct Beneficial Interest Owners.~~

- ~~1. A Retail Marijuana Establishment may be comprised of an unlimited number of Direct Beneficial Interest Owners that have been residents of Colorado for at least one year prior to the date of the application.~~
- ~~2. On and after January 1, 2017, a Retail Marijuana Establishment that is comprised of one or more Direct Beneficial Interest Owners who have not been Colorado residents for at least one year is limited to no more than fifteen Direct Beneficial Interest Owners, each of whom is a natural person. Further, a Retail Marijuana Establishment that is comprised of one or more Direct Beneficial Interest Owners who have not been Colorado residents for at least one year shall have at least one officer who is a Colorado resident. All officers with day-to-day operational control over a Retail Marijuana Establishment must be Colorado residents for at least one year, must maintain their Colorado residency during the period while they have day-to-day operational control over the Retail Marijuana~~

Establishment and shall be licensed as required by the Retail Code. Rule 231—
Qualifications for Licensure and Residency: Individuals.

- C. ~~Notification of Change of Residency. A Retail Marijuana Establishment with more than fifteen Direct Beneficial Interest Owners shall provide thirty days prior notice to the Division of any Direct Beneficial Interest Owners' intent to change their residency to a residency outside Colorado. A Retail Marijuana Establishment with no more than fifteen Direct Beneficial Interest Owners shall notify the Division of the change of residency of any Direct Beneficial Interest Owner at the time of its license renewal. Failure to provide timely notice pursuant to this rule may lead to administrative action against the Retail Marijuana Establishment and its Direct Beneficial Interest Owners.~~
- D. ~~A Direct Beneficial Interest Owner shall not be a publicly traded company.~~

Basis and Purpose—R 231.2

The statutory authority for this rule includes but is not limited to sections 44-11-201(3), 44-12-202(2)(b), 44-12-202(3)(a)(III), 24-18-105(3), 44-12-202(3)(a)(XXI), 44-12-103, 44-12-303, 44-12-304, 44-12-306, and 24-76.5-101, *et seq.*, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(III). The purpose of this rule is to clarify the qualifications for an Indirect Beneficial Interest Owner other than a Permitted Economic Interest.

R 231.2—Qualifications for Indirect Beneficial Interest Owners and Qualified Limited Passive Investors

A. General Requirements

1. ~~An Applicant applying to become a Commercially Reasonable Royalty Interest holder who receives a royalty of more than 30 percent or the holder of a Permitted Economic Interest must be pre-approved by the Division.~~
2. ~~An Applicant applying to become an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor shall submit information to the Division in a full, faithful, truthful, and fair manner. The Division may recommend denial of an application where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application. This type of conduct may be considered as the basis of additional administrative action against the Applicant and the Retail Marijuana Establishment.~~
3. ~~The Division may deny the application when the Applicant fails to provide any requested information by the Division's deadline.~~
4. ~~The Division's determination that an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is qualified constitutes a revocable privilege held by the Retail Marijuana Establishment. The burden of proving the Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is qualified rests at all times with the Retail Marijuana Establishment Applicant. Indirect Beneficial Interest Owners and Qualified Limited Passive Investors are not separately licensed by the Division. Any administrative action regarding an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor may be taken directly against the Retail Marijuana Establishment.~~
5. ~~Permitted Economic Interest Fingerprints Required. Any individual applying to hold his or her first Permitted Economic Interest shall be fingerprinted for a criminal history record check. In the Division's discretion, an individual may be required to be fingerprinted again for additional criminal history record checks.~~
6. ~~No publicly traded company can be an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor.~~

B. ~~Qualification.~~ The Division may consider the following non-exhaustive list of factors to determine whether an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is qualified:

1. ~~The Applicant's criminal history indicates that he or she is of Good Moral Character;~~
2. ~~The Applicant is at least 21 years of age;~~
3. ~~The Applicant has paid all taxes, interest, or penalties due the Department of Revenue relating to a Retail Marijuana Establishment or Medical Marijuana Business, if applicable;~~
4. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony in the five years immediately preceding his or her application date;~~
5. ~~The Applicant is not currently subject to and has not discharged a sentence for a conviction of a felony pursuant to any state or federal law regarding the possession, distribution, manufacturing, cultivation, or use of a controlled substance in the ten years immediately preceding his or her application date or five years from May 28, 2013, whichever is longer, except, in the Division's discretion, a state felony conviction based on possession or use of marijuana or marijuana concentrate that would not be a felony if the Person were convicted of the offense on the date he or she applied may not disqualify an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor;~~
6. ~~The Applicant is not a sheriff, deputy sheriff, police officer, or prosecuting officer, or an officer or employee of the State Licensing Authority or a local jurisdiction;~~
7. ~~The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for individuals, Retail Marijuana Establishments and/or Medical Marijuana Businesses licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.~~
8. ~~The Applicant has provided all documentation requested by the Division to establish qualification to be an Indirect Beneficial Interest Owner.~~

C. ~~Maintaining Qualification:~~

1. ~~An Indirect Beneficial Interest Owner or Qualified Limited Passive Investor shall notify the Division in writing of any felony criminal charge and felony conviction against such person within ten days of such person's arrest or felony summons, and within ten days of the disposition of any arrest or summons. Failure to make proper notification to the Division may be grounds for disciplinary action. This duty to report includes, but is not limited to, deferred sentences, prosecutions, or judgments that are not sealed. If the Division lawfully finds a disqualifying event and the individual asserts that the record was sealed, the Division may require the individual to provide proof from a court evidencing the sealing of the case.~~
2. ~~An Indirect Beneficial Interest Owner, Qualified Limited Passive Investor and Retail Marijuana Establishment shall cooperate in any investigation into whether an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor continues to be qualified that may be conducted by the Division.~~

D. ~~Divestiture of Indirect Beneficial Interest Owner or Qualified Limited Passive Investor.~~ If the Division determines an Indirect Beneficial Interest Owner or Qualified Limited Passive Investor is not permitted to hold their interest, the Retail Marijuana Establishment shall have 60 days from such determination to divest the Indirect Beneficial Interest Owner or Qualified Limited Passive Investor. The Division may extend the 60-day deadline for good cause shown. Failure to timely divest any Indirect Beneficial Interest Owner or Qualified Limited Passive Investor the Division determines is not qualified, or is no longer qualified, may constitute grounds for denial of license

or administrative action against the Retail Marijuana Establishment and/or its Associated Key Licensee(s).

~~R 231.5 — Repealed Effective January 1, 2017.~~

~~Basis and Purpose — R 232~~

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(XXI), 44-12-306(2), and 44-12-309(5), C.R.S. The purpose of this rule is to interpret residency requirements set forth in the Retail Code.

~~R 232 — Factors Considered When Determining Residency and Citizenship: Individuals~~

This rule applies to individual Applicants who are trying to obtain licenses issued pursuant to the Retail Code. This rule does not apply to patrons of Retail Marijuana Stores. When the State Licensing Authority determines whether an Applicant is a resident, the following factors will be considered:

- A. ~~Primary Home Defined.~~ The location of an Applicant's principal or primary home or place of abode ("primary home") may establish Colorado residency. An Applicant's primary home is that home or place in which a person's habitation is fixed and to which the person, whenever absent, has the present intention of returning after a departure or absence therefrom, regardless of the duration of such absence. A primary home is a permanent building or part of a building and may include, by way of example, a house, condominium, apartment, room in a house, or manufactured housing. No rental property, vacant lot, vacant house or cabin, or other premises used solely for business purposes shall be considered a primary home.
- B. ~~Reliable Indicators That an Applicant's Primary Home is in Colorado.~~ The State Licensing Authority considers the following types of evidence to be generally reliable indicators that a person's primary home is in Colorado.
 - 1. ~~Evidence of business pursuits, place of employment, income sources, residence for income or other tax purposes, age, residence of parents, spouse, and children, if any, leaseholds, situs of personal and real property, existence of any other residences outside of Colorado and the amount of time spent at each such residence, and any motor vehicle or vessel registration;~~
 - 2. ~~Duly authenticated copies of the following documents may be taken into account: A current driver's license with address, recent property tax receipts, copies of recent income tax returns where a Colorado mailing address is listed as the primary address, current voter registration cards, current motor vehicle or vessel registrations, and other public records evidencing place of abode or employment; and~~
 - 3. ~~Other types of reliable evidence.~~
- C. ~~Totality of the Evidence.~~ The State Licensing Authority will review the totality of the evidence, and any single piece of evidence regarding the location of a person's primary home is not necessarily determinative.
- D. ~~Other Considerations for Residency.~~ The State Licensing Authority may consider the following circumstances:
 - 1. ~~Members of the armed services of the United States or any nation allied with the United States who are on active duty in this state under permanent orders and their spouses;~~
 - 2. ~~Personnel in the diplomatic service of any nation recognized by the United States who are assigned to duty in Colorado and their spouses; and~~

3. ~~Full-time students who are enrolled in any accredited trade school, college, or university in Colorado. The temporary absence of such student from Colorado, while the student is still enrolled at any such trade school, college, or university, shall not be deemed to terminate their residency. A student shall be deemed "full-time" if considered full-time pursuant to the rules or policy of the educational institution he or she is attending.~~

E. ~~Entering Armed Forces Does Not Terminate Residency. An individual who is a Colorado resident pursuant to this rule does not terminate Colorado residency upon entering the armed services of the United States. A member of the armed services on active duty who resided in Colorado at the time the person entered military service and the person's spouse are presumed to retain their status as residents of Colorado throughout the member's active duty in the service, regardless of where stationed or for how long.~~

F. ~~Determination of United States Citizenship. Whenever the Retail Code or the rules promulgated pursuant thereto require a Direct Beneficial Interest Owner to be a United States citizen, the Direct Beneficial Interest Owner must provide evidence of United States citizenship as required by the Division in accordance with applicable federal and state statutes and regulations.~~

Basis and Purpose – R 233

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-309(5), and 44-12-401(1)(e), C.R.S. The purpose of this rule is to clarify when an individual must be licensed or registered with the Division before commencing any work activity at a licensed Retail Marijuana Establishment. The rule also sets forth the process for obtaining a license or registration and explains what information may be required before obtaining such license or registration.~~

R 233 – Retail Code or Medical Code Occupational Licenses Required

A. ~~Retail Code or Medical Code Occupational Licenses and Identification Badges~~

1. ~~Any Person who possesses, cultivates, manufactures, tests, dispenses, Transfers, serves, transports or delivers Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product as permitted by privileges granted under a Retail Marijuana Establishment license must have a valid Occupational License.~~
2. ~~Any Person who has the authority to access or input data into the Inventory Tracking System or a Retail Marijuana Establishment point of sale system must have a valid Occupational License.~~
3. ~~Any Person within a Restricted Access Area or Limited Access Area that does not have a valid Occupational License shall be considered a visitor and must be escorted at all times by a person who holds a valid Associated Key License or other Occupational License. Failure by a Retail Marijuana Establishment to continuously escort a person who does not have a valid Occupational License within a Limited Access Area may be considered a license violation affecting the public safety. See Rule R 1307 – Penalties; see also Rule R 301 – Limited Access Areas. Nothing in this provision alters or eliminates a Retail Marijuana Establishment's obligation to comply with the Occupational License requirements of paragraph (A) of this Rule R 233. Trade craftspeople not normally engaged in the business of cultivating, processing, or Transferring Retail Marijuana do not need to be accompanied at all times, and instead only reasonably monitored.~~

B. ~~Occupational License Required to Commence or Continue Employment. Any Person required to be licensed pursuant to these rules shall obtain all required approvals and obtain a Division-issued identification badge before commencing activities permitted by his or her Retail Code or Medical Code Occupational License. See Rule R 231 – Qualifications for Licensure and Residency; Rule R 204 – Ownership Interests of a License: Retail Marijuana Establishments; and R 301 – Limited Access Areas.~~

C. ~~Identification Badges Are Property of State Licensing Authority.~~ All identification badges shall remain the property of the State Licensing Authority, and all identification badges shall be returned to the Division upon demand of the State Licensing Authority or the Division. The Licensee shall not alter, obscure, damage, or deface the badge in any manner.

~~Basis and Purpose – R-234~~

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(a), 44-12-202(2)(b), 44-12-202(2)(c), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-306(5)(a-b), 44-12-309(6), 44-12-103, 44-12-401, 44-11-501, 44-11-502, and 44-12-501, C.R.S. The purpose of this rule is to establish licensing fees for individuals.

~~R-234 – Schedule of Application and License Fees: Individuals~~

~~A. Individual Application and License Fees~~

~~1. Direct Beneficial Interest Owner Fees~~

~~a. Colorado Resident Associated Key License~~

~~i. Application Fee – \$725.00~~

~~ii. License Fee – \$75.00~~

~~b. Non-Resident Associated Key License~~

~~i. Application Fee upon request for finding of suitability – \$4,925.00~~

~~ii. License Fee following finding of suitability – \$75.00~~

~~2. Occupational Key License~~

~~i. Application Fee – \$225.00~~

~~ii. License Fee – \$25.00~~

~~3. Occupational Support License~~

~~i. Application Fee – \$50.00~~

~~ii. License Fee – \$25.00~~

B. ~~When Fees Are Due.~~ Application and License fees are due at the time Applicant submits an application, except for the Non-Resident Associated Key License fee following a finding of suitability. The Non-Resident Associated Key License fee following a finding of suitability is due after an Applicant has been informed by the Division of a finding of suitability and prior to issuance of the Non-Resident Associated Key License.

~~Basis and Purpose – R-235~~

The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(a), 44-12-202(2)(b), 44-12-202(2)(c), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-309(6), 44-12-401, 44-11-501, 44-12-103, 44-12-401, 44-11-501 44-11-502, and 44-12-501, C.R.S. The purpose of this rule is to establish renewal license fees for individuals.

~~R-235 – Schedule of Renewal Fees: Individuals~~

~~A. Individual Renewal Fees~~

- ~~1. Associated Key Renewal Fee — \$500.00~~
- ~~2. Other Occupational Renewal Fee — \$75.00~~

~~B. When Fees Are Due. Renewal fees are due at the time Applicant submits an application for renewal.~~

~~Basis and Purpose — R-250~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 24-4-105(2), and 44-12-601(2), C.R.S. The purpose of this rule is to clarify that a Licensee must keep its mailing address current with the Division.~~

~~R-250 — Licensee Required to Keep Mailing Address Current with the Division: All Licensees~~

- ~~A. Timing of Notification. A Licensee must provide a physical mailing address to the Division and additionally may provide an electronic mailing address to the Division. A Licensee shall inform the Division in writing of any change to its physical mailing address and/or electronic mailing address within 30 days of the change. The Division will not change a Licensee's information without explicit written notification provided by the Licensee or its authorized agent.~~
- ~~B. Division Communications. Division communications are sent to the last physical and/or electronic mailing address furnished by an Applicant or Licensee to the Division.~~
- ~~C. Failure to Change Address Does Not Relieve Licensee's or Applicant's Obligation. Failure to notify the Division of a change of its physical and/or electronic mailing address does not relieve a Licensee or Applicant of the obligation to respond to a Division communication.~~
- ~~D. Disciplinary Communications. The State Licensing Authority will send any disciplinary or sanction communication, as well as any notice of hearing, to the mailing address contained in the license and, if different, to the last mailing address and to the last known electronic mailing address, if any, furnished to the Division by the Licensee.~~

~~Basis and Purpose — R-251~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(a)(XVI), 44-12-202(3)(a)(XVII), 44-12-304, 24-4-104, and 24-4-105, C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsections 16(5)(a)(I). The purpose of this rule is to establish what factors the State Licensing Authority will consider when denying an application for licensure.~~

~~R-251 — Application Denial and Voluntary Withdrawal: All Licensees~~

~~A. Applicant Bears Burden of Proving It Meets Licensing Requirements~~

- ~~1. At all times during the application process, an Applicant must be capable of establishing that it is qualified to hold a license.~~
- ~~2. An Applicant that does not cooperate with the Division during the application phase may be denied as a result. For example, if the Division requests additional evidence of qualification and the Applicant does not furnish such evidence by the date requested, the Applicant's application may be denied.~~

~~B. Applicants Must Provide Accurate Information~~

1. ~~An Applicant must provide accurate information to the Division during the entire Application process.~~
2. ~~If an Applicant provides inaccurate information to the Division, the Applicant's application may be denied.~~

~~C. Grounds for Denial~~

1. ~~The State Licensing Authority will deny an application from an Applicant that forms a business including but not limited to a sole proprietorship, corporation, or other business enterprise, with the purpose or intent, in whole or in part, of transporting, cultivating, processing, Transferring, or distributing Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product without receiving prior approval from all relevant local jurisdictions.~~
2. ~~The State Licensing Authority will deny an application for Good Cause, as defined in subsection 44-12-304(1), C.R.S., of the Retail Code.~~
3. ~~The State Licensing Authority will deny an Applicant's application that is statutorily disqualified from holding a license.~~

~~D. Voluntary Withdrawal of Application~~

1. ~~The Division and Applicant may mutually agree to allow the voluntary withdrawal of an application in lieu of a denial proceeding.~~
2. ~~Applicants must first submit a notice to the Division requesting the voluntary withdrawal of the application. In such instances, an Applicant waives his or her right to a hearing in the matter once the voluntary withdrawal is approved.~~
3. ~~The Division will consider the request along with any circumstances at issue with the application in making a decision to accept the voluntary withdrawal. The Division may at its discretion grant the request with or without prejudice or deny the request.~~
4. ~~The Division will notify the Applicant and relevant local jurisdiction of its acceptance of the voluntary withdrawal and the terms thereof.~~
5. ~~If the Applicant agrees to a voluntary withdrawal granted with prejudice, then the Applicant is not eligible to apply again for licensing or approval until after expiration of one year from the date of such voluntary withdrawal.~~

~~E. A Denied Applicant May Appeal a Denial~~

1. ~~A Denied Applicant may appeal an application denial pursuant to the Administrative Procedure Act.~~
2. ~~See Rule R 1304—Administrative Hearings, Rule R 1305—Administrative Subpoenas, and Rule R 1306—Administrative Hearing Appeals.~~

~~Basis and Purpose—R 252~~

~~The statutory authority for this rule includes but is not limited to sections 44-12-202(2)(b), 44-12-202(3)(c)(VIII), and 44-12-309(5), C.R.S. The purpose of this rule is to clarify that Retail Marijuana Establishment licenses are valid for one year unless suspended, revoked, or otherwise disciplined.~~

~~R 252—License Must Be Renewed Each Year: All Licensees Except Retail Marijuana Transporters and Occupational Licenses~~

- A. ~~All Retail Code Licenses.~~ All licenses issued pursuant to the Retail Code and these rules are valid for one year, except that a Retail Marijuana Transporter license and an Occupational License are valid for two years.
- B. ~~License May Be Valid for Less Than One Year.~~ A License may be valid for less than one year if surrendered, or if revoked, suspended, or otherwise disciplined.

Basis and Purpose – R-253

The statutory authority for this rule includes but is not limited to sections 44-12-202 and 44-12-401, C.R.S. The purpose of this rule is to establish procedures and requirements for any Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person acting in accordance with section 44-12-401(1.5), C.R.S., and authorized by court order to take possession of, operate, manage, or control a Retail Marijuana Establishment.

R-253 – Temporary Appointee Registrations for Court Appointees

- A. ~~For Court Appointees appointed on or after May 15, 2018, the effective date of House Bill 18-1280:~~
1. ~~Notice to the State and Local Licensing Authorities.~~ Within seven days of accepting an appointment as a Court Appointee pursuant to section 44-12-401(1.5), C.R.S., (or within seven days of June 18, 2018, the effective date of this Rule R-253, whichever is later), such Court Appointee shall file a notice to the State Licensing Authority and the applicable local licensing authority on a form prescribed by the State Licensing Authority. The notice shall be accompanied by a copy of the order appointing the Court Appointee and a statement affirming that the Court Appointee complied with the certification required by section 44-12-401(1.5)(a), C.R.S. If the Court Appointee is an entity, the notice shall identify all individuals responsible for taking possession of, operating, managing, or controlling the licensed Retail Marijuana Establishment. Each notice shall identify at least one such individual.
 2. ~~Application for Finding of Suitability.~~ Within 14 days of accepting an appointment as a Court Appointee pursuant to section 44-12-401(1.5), C.R.S., (or within 14 days of June 18, 2018, the effective date of this Rule R-253, whichever is later), each Court Appointee shall file an application for a finding of suitability with the State Licensing Authority on forms prescribed by the State Licensing Authority. Each entity and individual for whom a notice was filed pursuant to Rule R-253(A) shall file an application for a finding of suitability. The Division may in its discretion extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.
 3. ~~Effective date.~~ The Temporary Appointee Registration shall issue following the State Licensing Authority's receipt of the notice required by Rule R-253(A)(1), and shall be deemed effective as of the date of the court appointment.
- B. ~~For Court Appointees appointed prior to May 15, 2018, the effective date of House Bill 18-1280:~~
1. ~~Any receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person authorized by court order to take possession of, operate, manage, or control a Retail Marijuana Establishment prior to May 15, 2018, the effective date of House Bill 18-1280, shall be deemed a Court Appointee.~~
 2. ~~Notice to the State and Local Licensing Authorities and Application for Finding of Suitability.~~ Any such Court Appointee appointed by a court prior to May 15, 2018, shall, within 14 days of June 18, 2018, the effective date of this Rule R-253, file notice of the

appointment with the State Licensing Authority and the applicable local licensing authority, and file an application for a finding of suitability with the State Licensing Authority, in accordance with Rule R 253(A)(2). The notice and application shall include a copy of the order appointing the Person, but need not include a statement affirming that the Person complied with the certification required by section 44-12-401(1.5)(a), C.R.S. The Division may extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.

3. ~~Effective date.~~ The Temporary Appointee Registration for a Court Appointee appointed prior to May 15, 2018, the effective date of House Bill 18-1280, shall be deemed effective May 15, 2018.

C. ~~Temporary Appointee Registration.~~

1. ~~Entities.~~ If the Court Appointee is an entity, such entity shall receive a Temporary Appointee Registration. Additionally, each such entity must identify all individuals responsible for taking possession of, operating, managing, or controlling the Retail Marijuana Establishment, and all such individuals shall also receive a Temporary Appointee Registration, which shall be treated as an Associated Key License, except where contrary to the provisions of this Rule R 253 or section 44-12-401(1.5), C.R.S. Each Court Appointee that is an entity must identify at least one such individual.
2. ~~Individuals.~~ If the Court Appointee is an individual, such individual's Temporary Appointee Registration shall be treated as an Associated Key License except where inconsistent with section 44-12-401(1.5), C.R.S., or this Rule R 253.
3. ~~Other employees.~~ Any other individual working under the direction of a Court Appointee who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, researches, or delivers Retail Marijuana, Retail Marijuana Concentrate, or Retail Marijuana Product as permitted by privileges granted under a Retail Marijuana Establishment license must have a valid Occupational License of the type required for the duties that individual will perform. See Rules R 103 and 233.
4. ~~Licensed Premises.~~ A Court Appointee shall not establish an independent Licensed Premises, but shall be authorized to exercise the privileges of the Temporary Appointee Registration within the Licensed Premises of Retail Marijuana Establishment for which it is appointed.
5. ~~Retail Marijuana Establishment Operators.~~ A Court Appointee may retain a Retail Marijuana Establishment Operator. If the Retail Marijuana Establishment Operator is the Court Appointee, see subparagraph F of this Rule R 253.
6. ~~Retail Code and rules applicable.~~ Court Appointees shall be subject to the terms of the Retail Code and the rules promulgated pursuant thereto. Except where inconsistent with section 44-12-401(1.5), C.R.S., or this Rule R 253, the State Licensing Authority may take any action with respect to a Temporary Appointee Registration that it could take with respect to any license issued under the Retail Code. In any administrative action involving a Temporary Appointee Registration, these rules shall be read as including the terms "registered", "registration", "registrant" or any other similar terms in lieu of "licensed", "licensee", and any other similar terms as the context requires when applied to a Temporary Appointee Registration.

D. ~~Disciplinary actions.~~

1. ~~Suspension, revocation, fine, or other disciplinary action regarding a Retail Marijuana Establishment. In addition to any other basis for suspension, revocation, fine, or other disciplinary action, a Retail Marijuana Establishment's license may, pursuant to section 44-12-202(2)(a), 44-12-401(1.5)(b), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other disciplinary action based upon the Court Appointee's violations of the Retail Code, the rules promulgated pursuant thereto, or the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such disciplinary action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect.~~
2. ~~Suspension, revocation, fine, or other disciplinary action regarding a Temporary Appointee Registration. In addition to any other basis for suspension, revocation, fine, or other disciplinary action, a Temporary Appointee Registration may, pursuant to section 44-12-202(2)(a), 44-12-401(1.5)(b), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other disciplinary action based upon the Court Appointee's failure to obtain a finding of suitability or violations of the Retail Code, the rules promulgated pursuant thereto, or the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Such grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such disciplinary action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect. If a person holding a Temporary Appointee Registration also holds any other Occupational License, both the Occupational License and the Temporary Appointee Registration may be suspended, revoked or subject to other disciplinary action for any violations of the Retail Code, the rules promulgated pursuant thereto, the terms, conditions, or provisions of the occupational license issued by the State Licensing Authority, or any order of the State Licensing Authority.~~
3. ~~Suitability. If the State Licensing Authority denied an application for a finding of suitability because the Court Appointee failed to timely apply for a finding of suitability, failed to timely provide all material information requested by the Division in connection with an application for a finding of suitability, or was found to be unsuitable, the State Licensing Authority may also pursue disciplinary action as set forth in Rule R-253(D)(1)-(2) and (4).~~
4. ~~Court Appointee's responsibility to notify the appointing court. The Court Appointee shall notify the appointing court of any action taken against the Temporary Appointee Registration by the State Licensing Authority pursuant to sections 44-12-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Court Appointee shall forward a copy of such notification to the Division at the same time the notification is made to the appointing court.~~

~~E. Expiration and renewal.~~

1. ~~Conclusion of a Court Appointee's court appointment. A Court Appointee's Temporary Appointee Registration shall expire upon the conclusion of a Court Appointee's court appointment. Each Court Appointee and each Retail Marijuana Establishment that has a Court Appointee shall notify the State Licensing Authority within two business days of the date on which a Court Appointee's court appointment ends, whether due to termination of the appointment by the court, substitution of another Court Appointee, closure of the~~

court case, or otherwise. For a Court Appointee that is appointed in connection with multiple court cases, the notice shall be filed with the State Licensing Authority with respect to each such case.

2. ~~Annual renewal.~~ If it has not yet expired pursuant to Rule R-253(E)(1), each Temporary Appointee Registration shall be valid for one year, after which it shall be subject to annual renewal in accordance with the Retail Code and rules promulgated pursuant thereto. If a Court Appointee is appointed in connection with multiple court cases, the Temporary Appointee Registration is subject to annual renewal unless all such appointments have ended, whether due to termination of the appointments by the courts, substitution of other Court Appointees, closure of the court cases, or otherwise.
3. ~~Other termination.~~ A Temporary Appointee Registration may be valid for less than the applicable term if surrendered, revoked, suspended, or subject to similar action.

F. ~~Retail Marijuana Establishment Operators as Court Appointees.~~ By virtue of its privileges of licensure, a Retail Marijuana Establishment Operator and its Associated Key Licensees may serve as Court Appointees without a Temporary Appointee Registration subject to the following terms:

1. ~~Notice to the State Licensing Authority of appointment.~~ The Retail Marijuana Establishment Operator and its Associated Key Licensee(s) shall be responsible for notifying the State Licensing Authority within seven days of any court appointment to serve as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person and take possession of, operate, manage, or control a Retail Marijuana Establishment. Such notice shall be accompanied by a copy of the order making the appointment, and shall identify each Retail Marijuana Establishment regarding which the Retail Marijuana Establishment Operator is appointed.
2. ~~Notice to the court of State Licensing Authority action.~~ The Retail Marijuana Establishment Operator and its Associated Key Licensee(s) shall be responsible for notifying the appointing court of any action taken against the Retail Marijuana Establishment Operator license or the Associated Key license by the State Licensing Authority pursuant to sections 44-12-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Retail Marijuana Establishment Operator and its Associated Key Licensee(s) shall forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

Rule 200-1 Series – Applications and Licenses (effective August 1, 2019)

Basis and Purpose – Rule 201-1

House Bill 19-1090 includes a safety clause and provides it applies to all applications received on or after November 1, 2019. The purpose of this rule is to clarify the effective date of these rules given the safety clause and November 1, 2019, application date in HB19 1090.

Rule 201-1 – Applicability

These rules are effective August 1, 2019. Applications requiring a finding of suitability, involving a Publicly Traded Corporation, or involving a Qualified Private Fund, may be made on or after November 1, 2019. Applications that do not require a finding of suitability or that do not involve a Publicly Traded Corporation or Qualified Private Fund remain subject to the application submission requirements as of the date these rules are adopted by the State Licensing Authority.

Basis and Purpose – Rule 205-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(a), 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-104, 44-11-310, 44-11-401, 44-11-501, 44-11-502, 44-11-1101, 44-11-1102, 44-11-202(2)(a)(XXVI), 44- 44-12-202(2)(a), 44-11-1101, 44-11-1102, 44-12-202(2)(b), 44-12-202(3)(a)(II), 44-12-303(1), 44-12-103, 44-12-401, 44-11-501, 44-11-502, 44-12-501, and 44-12-202(2)(a)(XXII), C.R.S. Authority also exists in the Colorado Constitution at Article XVIII, Subsection 16(5)(a)(II). The purpose of this rule is to establish fees required for applications, licenses fees, permits, and other fees required to accompany applications and submissions to the Division. The Division anticipates evaluating all fees in connection with a fee analysis. The fee analysis could include a recommendation to move to a deposit based finding of suitability fee for some or all Controlling Beneficial Owners. Any recommendations from the fee analysis would be considered during subsequent rulemaking proceedings.

Rule 205-1 – Fees

A. Regulated Marijuana Business Initial Application and License Fees.

1. Medical Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
<u>Medical Marijuana Center</u>	<u>\$5,000.00</u>	<u>\$2,000.00</u>
<u>Medical Marijuana-Infused Products Manufacturer</u>	<u>\$1,000.00</u>	<u>\$1,500.00</u>
<u>Optional Premises Cultivation Operation</u>	<u>\$1,000.00</u>	
<u>Class 1 (1-500 plants)</u>		<u>\$1,500.00</u>
<u>Class 2 (501-1,500 plants)</u>		<u>\$1,000.00</u>
<u>Class 3 (1,501-3,000 plants)</u>		<u>\$2,500.00</u>
<u>Expanded Production Management (for each class of 3,000 plants over Class 3)</u>		<u>\$2,500.00 plus an additional \$1,000 for each class of 3,000 plants over Class 3.</u>
<u>Medical Marijuana Testing Facility</u>	<u>\$1,000.00</u>	<u>\$1,500.00</u>
<u>Medical Marijuana Transporter</u>	<u>\$1,000.00</u>	<u>\$4,400.00</u>
<u>Medical Marijuana Business Operator</u>	<u>\$1,000.00</u>	<u>\$2,200.00</u>
<u>Marijuana Research and Development Facility</u>	<u>\$1,000.00</u>	<u>\$1,500.00</u>
<u>Marijuana Research and Development Cultivation</u>	<u>\$1,000.00</u>	<u>\$1,500.00</u>

2. Retail Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Fee</u>
<u>Retail Marijuana Store</u>	<u>\$5,000.00</u>	<u>\$2,000.00</u>
<u>Retail Marijuana Products Manufacturing Facility</u>	<u>\$5,000.00</u>	<u>\$1,500.00</u>
<u>Retail Marijuana Cultivation Facility</u> <u>Tier 1 (1-1,800 plants)</u>	<u>\$5,000.00</u>	<u>\$1,500.00</u>
<u>Tier 2 (1,801-3,600 plants)</u>		<u>\$1,000.00</u>
<u>Tier 3 (3,601-6,000 plants)</u>		<u>\$2,000.00</u>
<u>Tier 4 (6,001-10,200 plants)</u>		<u>\$4,000.00</u>
<u>Tier 5 (10,201-13,800 plants)</u>		<u>\$6,000.00</u>
<u>Expanded Production Management (for each additional tier of 3,600 plants over Tier 5)</u>		<u>\$6,000.00 plus an additional \$1,000 for each tier of 3,600 plants over Tier 5</u>
<u>Retail Marijuana Testing Facility</u>	<u>\$1,000.00</u>	<u>\$1,500.00</u>
<u>Retail Marijuana Transporter</u>	<u>\$1,000.00</u>	<u>\$4,400.00</u>
<u>Retail Marijuana Business Operator</u>	<u>\$1,000.00</u>	<u>\$2,200.00</u>

B. Regulated Marijuana Business Renewal Application and Fees.

1. Medical Marijuana Businesses.

<u>License Type</u>	<u>Application Fee</u>	<u>License Renewal Fee</u>
<u>Medical Marijuana Center</u>	<u>\$1,500.00</u>	<u>\$300.00</u>
<u>Medical Marijuana-Infused Products Manufacturer</u>	<u>\$1,500.00</u>	
<u>Optional Premises Cultivation Operation</u>	<u>\$1,500.00</u>	
<u>Class 1 (1-500 plants)</u>	<u>\$800.00</u>	
<u>Class 2 (501-1,500 plants)</u>	<u>\$2,000.00</u>	
<u>Class 3 (1,501-3,000 plants)</u>	<u>\$2,000.00 plus an additional \$800 for each class of 3,000</u>	
<u>Expanded Production Management (for each class</u>		

of 3,000 plants over Class 3)	plants over Class 3.	
Medical Marijuana Testing Facility	\$1,500.00	
Medical Marijuana Transporter	\$4,400.00	
Medical Marijuana Business Operator	\$2,200.00	
Marijuana Research and Development Facility	\$1,500.00	
Marijuana Research and Development Cultivation	\$1,500.00	

2. Retail Marijuana Businesses.

License Type	Application Fee	License Renewal Fee
Retail Marijuana Store	\$1,500.00	\$300.00
Retail Marijuana Products Manufacturing Facility	\$1,500.00	
Retail Marijuana Cultivation Facility	\$1,500.00	
Tier 1 (1-1,800 plants)		
Tier 2 (1,801-3,600 plants)	\$800.00	
Tier 3 (3,601-6,000 plants)	\$1,500.00	
Tier 4 (6,001-10,200 plants)	\$3,000.00	
Tier 5 (10,201-13,800 plants)	\$5,000.00	
Expanded Production Management (for each additional tier of 3,600 plants over Tier 5)	\$5,000.00 plus an additional \$800.00 for each tier of 3,600 plants over Tier 5	
Retail Marijuana Testing Facility	\$1,500.00	
Retail Marijuana Transporter	\$4,400.00	
Retail Marijuana Business Operator	\$2,200.00	

C. Owner Request for a Finding of Suitability, Owner License and Owner Identification Badge – Initial Application and Renewal Fees.

1. Controlling Beneficial Owner Request for a Finding of Suitability.

a. Colorado Resident Controlling Beneficial Owner - \$800.00 Per Natural Person

- b. Non-Resident Controlling Beneficial Owner - \$5,000.00 Per Natural Person
 - c. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include either a \$800.00 (Colorado resident) or a \$5,000.00 (non-resident) fee for each of its Executive Officers and any person that indirectly Beneficially Owns ten percent or more of the Regulated Marijuana Business.
 - 2. Owner License and Owner Identification Badge. A Person possessing an Owner License may be issued an Identification Badge. Only Controlling Beneficial Owners and Passive Beneficial Owners can obtain an Owner License.
 - a. Controlling Beneficial Owner and any Passive Beneficial Owner Subject to a Finding of Suitability - License Fee. A Controlling Beneficial Owner or Passive Beneficial Owner who was found suitable after November 1, 2019, and within the preceding 365 days, must pay a license fee of \$75.00 prior to obtaining an Owner Identification Badge.
 - b. Passive Beneficial Owner Application and License Fee. A Passive Beneficial Owner may, but is not required to, apply for an Owner License and Identification Badge. A Passive Beneficial Owner who has not obtained a finding of suitability after November 1, 2019, and within the preceding 365 days, must pay an initial application and license fee of \$800.00 (Colorado resident) or \$5,000.00 (non-resident) fee for each natural person or, if the Passive Beneficial Owner is an Entity, the Entity must pay the fee for each of its Executive Officers.
 - i. Of the total Passive Beneficial Owner application and license fee, \$75.00 is the license fee and the remaining \$725.00 (Colorado resident) or \$4,925.00 (non-resident) is the application fee. A Person submitting an application for a Passive Beneficial Owner license may submit the total fee of either \$800.00 or \$5,000.00 in one form of payment.
 - 3. Owner License Renewal Fee. All Controlling Beneficial Owners and Licensed Passive Beneficial Owners - \$500.00

D. Employee License – Initial Application and Renewal Fees.

- 1. Key License Initial Application and License Fee - \$250.00
 - a. Of the total Key License application and license fee, \$225.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Key License may submit the total fee of \$250.00 in one form of payment.
- 2. Support License Initial Application and License Fee - \$75.00
 - a. Of the total Support License application and license fee, \$50.00 is the application fee and \$25.00 is the license fee. A Person submitting an application for a Support License may submit the total fee of \$75.00 in one form of payment.
- 3. Key and Support License Renewal Fee - \$75.00

E. Temporary Appointee Registration - Request for Finding of Suitability Fees

- 1. Natural Person - \$225.00
- 2. Entity - \$800.00

F. Other Fees. The following other fees apply:

1. Permits.
 - a. Off Premises Storage Permit - \$1,500.00
 - b. Medical Marijuana Transporter Off Premises Storage Permit - \$2,200.00
 - c. Centralized Distribution Permit Initial and Renewal Fee - \$20.00
 - d. R&D Co-Location Permit Initial and Renewal Fee - \$50.00
2. Regulated Marijuana Business Changes.
 - a. Change of Controlling Beneficial Owner – Not Involving a Publicly Traded Corporation – New Controlling Beneficial Owner(s) - \$1,600.00
 - b. Change of Entity Type/Jurisdiction - \$800.00
 - c. Change of Trade Name - \$50.00
 - d. Change of Location - \$500.00
 - e. Modification of Licensed Premises - \$100.00
3. Licensed Research Business Research Project Proposal - \$500.00
4. Responsible Vendor Provider Applications.
 - a. Responsible Vendor Provider Initial Application - \$850.00
 - b. Responsible Vendor Provider Renewal Application - \$350.00
5. Duplicate License, Identification Badge, or Certificate.
 - a. Duplicate Business License - \$20.00
 - b. Duplicate Owner or Employee Identification Badge - \$20.00
 - c. Responsible Vendor Program Provider Duplicate Certificate - \$50.00

G. When Fees are Due. All fees in this Rule are due at the time the application or request is submitted.

Basis and Purpose – Rule 210-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304(1), 44-12-202(2)(b), 24-4-105(2), and 44-12-601(2), C.R.S. The purpose of this rule is to clarify the duties that Applicants and Licensees have when reporting to the State Licensing Authority information that is necessary for the issuance of a state license. These duties include but are not limited to reporting and keeping a mailing address current, reporting a felony conviction or other disqualifying event, cooperating with the State Licensing Authority and his or her employees, and notifying the State Licensing Authority of any change of registered agent in the State of Colorado.

Rule 210–1 – Duties of All Applicants and Licensees

A. Duty to Keep Mailing Address Current: All Licensees.

1. Timing of Notification. An Applicant or Licensee must provide a physical mailing address to the Division and may provide an electronic mailing address to the Division. A Licensee must inform the Division in writing of any change to its physical mailing address and/or electronic mailing address within 28 days of the change. The Division will not change a Licensee's information without written notice from the Licensee or its authorized agent.
2. State Licensing Authority and Division Communications. The State Licensing Authority and Division will send any formal notifications or determinations regarding any application or an administrative action to the last mailing address and to the last electronic mailing address, if any, furnished to the Division by the Applicant or Licensee.
3. Failure to Change Address Does Not Relieve Applicant's or Licensee's Obligations. An Applicant's or Licensee's failure to notify the Division of a change of physical or electronic mailing address does not relieve the Applicant or Licensee from the obligation of responding to a Division communication or a State Licensing Authority communication.

B. Duty to Report Felony Convictions, Deferred Sentences and Judgments. An Applicant or Licensee must notify the Division in writing of any felony conviction or deferred sentence or judgment regarding a felony against him or her within seven days of the conviction or deferred sentence or judgment. The notification must include disposition documents. Failure to make required notification to the Division may be grounds for administrative action.

C. Duty to Report Any Disqualifying Event. Applicants and Licensees must notify the Division within seven days of any change of fact that would result in the Applicant or Licensee being disqualified from holding a license, permit, or registration pursuant to the Medical Code, the Retail Code, or these Rules.

D. Duty to Cooperate. Applicants and Licensees must cooperate in any investigation conducted by the Division. Failure to cooperate with a Division investigation may be grounds for denial of an application or for administrative action against a Licensee.

E. Duty to Report Change of Registered Agent. A Regulated Marijuana Business must disclose any change of its registered agent in the State of Colorado within seven days of the change.

Basis and Purpose – Rule 215-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(XIX), 44-11-202(2)(a)(XXIV), 44-11-202(5)(a)(I)-(III), 44-11-304, 44-11-306, 44-11-307, 44-11-309, 44-11-310, 44-11-311, 44-11-313, 44-12-202(2)(b), 44-12-202(3)(a)(I), 44-12-202(3)(a)(III), 44-12-202(3)(a)(XIV), 44-12-202(3)(c)(VII), 44-12-202(3)(c)(VIII), 44-12-202(6)(a)(I)-(III), 44-12-303, 44-12-305, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to clarify the type of information an Applicant or Licensee must provide to the State Licensing Authority to require notification of the applicable local licensing authority or local jurisdiction, a requirement that the Applicant or Licensee establish he or she is not a person prohibited under the Medical or Retail Codes, and to require submission of documents necessary to establish financial history and tax compliance.

Rule 215-1 – All Application Requirements

This Rule 215-1 applies to all applications submitted to the Division for a license, permit or registration provided by the Medical Code or the Retail Code.

A. Division Forms Required. All applications for licenses, registrations or permits authorized by subsections 44-11-401(1) and (1.5), or 44-12-401(1) and (1.5), C.R.S., must be made on current Division forms.

- B. Application Fees Required. Applications must be accompanied by full remittance of the required application and license fees. See Rule 205-1.
- C. Complete, Accurate, and Truthful Applications Required. Applications must be complete, accurate and truthful and include all attachments and supplemental information. Incomplete applications may not be accepted by the Division.
- D. Local Licensing Authority/Local Jurisdiction.
1. Each application must identify the applicable local licensing authority or local jurisdiction.
 2. If the local licensing authority or local jurisdiction requires a physical copy of the application, the Applicant or Licensee must submit the original application and one identical copy to the Division. Otherwise the Applicant or Licensee must submit only the original application to the Division.
- E. Applicant Not Prohibited from Licensure. Applicants must provide information establishing the Applicant is not a Person prohibited from licensure by sections 44-11-306 or 44-12-305, C.R.S. Each natural person required to obtain an Owner License or an Employee License must provide proof of lawful presence or citizenship, and Colorado residency, if required.
- F. Additional Information and Documents May Be Required.
1. Upon request by the Division, an Applicant must provide additional information or documents required to process and investigate the application. The additional information or documents must be provided to the Division within seven days of the request, however, this deadline may be extended for a period of time commensurate with the scope of the request.
 2. An Applicant's failure to provide requested information or documents by the deadline may be grounds for denial of the application.
- G. Application Forms Accessible. All application forms provided by the Division and filed by an Applicant for a license, registration, or permit, including attachments and any other documents associated with the investigation, may be used for a purpose authorized by the Medical Code, the Retail Code, for investigation or enforcement of any international, federal, state, or local securities law or regulation, for any other state or local law enforcement purpose, or as otherwise required by law.

Basis and Purpose – Rule 220-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(e), 44-11-202(2)(a)(XVI), 44-11-202(a)(XVII), 44-11-202(5)(a), 44-11-301, 44-11-304, 44-11-310, 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(XII), 44-12-202(3)(c)(VII), 44-12-202(6)(a), 44-12-303, 44-12-306, 44-12-308, 44-12-309, and 44-12-312, C.R.S. The purpose of this rule is to establish the general requirements and processes for submission of an initial application to the State Licensing Authority.

Rule 220–1 – Initial Application Requirements for Regulated Marijuana Businesses

- A. Documents and Information Required. Every initial application for a Regulated Marijuana Business license must include all required documents and information including, but not limited to:
1. A copy of the local license application, if required, for a Regulated Marijuana Business.

2. Certificate of Good Standing from the jurisdiction in which the Entity was formed, which must be one of the states of the United States, territories of the United States, District of Columbia or another country that authorizes the sale of marijuana.
3. If the Applicant is an Entity, the identity and physical address of its registered agent in the state of Colorado.
4. Organizational Documents. Articles of incorporation, by-laws, and any shareholder agreement for a corporation; articles of organization and operating agreement for a limited liability company; or partnership agreement for a partnership.
5. Corporate Governance Documents:
 - a. A Regulated Marijuana Business that is a Publicly Traded Corporation must maintain corporate governance documents as required by the securities exchange on which its securities are listed and traded and 44-11-104(22.7)(a)(II)(B) and 4-12-103(19.5)(a)(II)(B), C.R.S., and must provide those corporate governance documents with each initial application.
 - b. A Regulated Marijuana Business that is not a Publicly Traded Corporation is not required to maintain any corporate governance documents. However, if the Regulated Marijuana Business that is not a Publicly Traded Corporation voluntarily maintains corporate governance documents, the Division encourages inclusion of such documents with each initial application.
6. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Applicant is, or will be, entitled to possession of the premises for which the application is made.
7. Legible and accurate diagram for the facility. The diagram must include a plan for the Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide a .pdf copy of the diagram.
8. All required findings of suitability issued by the Division.
9. All required Owner License application(s).
10. If the applicant is a Publicly Traded Corporation,
 - a. Documents establishing the Publicly Traded Corporation qualifies to hold a Regulated Marijuana Business license including but not limited to disclosure of the securities exchange(s) on which its Securities are listed and traded, the stock symbol(s), the identity of all regulators with regulatory oversight over its Securities; and
 - b. Divestiture plan for any Controlling Beneficial Owner that is a Person prohibited by the Medical Code or the Retail Code, has had her or his Owner License revoked, or has been found unsuitable.
11. Financial Statements. Consolidated financial statements (which may be prepared on either a calendar or fiscal year basis) that were prepared in the preceding 365 days, and which must include a balance sheet, an income statement, and a cash flow statement. If the Applicant or Regulated Marijuana Business is required to have audited financial statements by another regulator (e.g. United States Securities and Exchange Commission or the Canadian Securities Administrators) the financial statements provided to the Division must be audited and must also include all footnotes, schedules, auditors'

report(s), and auditor's opinion(s). If the financial statements are publicly available on a website (e.g. EDGAR or SEDAR), the Applicant or Regulated Marijuana Business may provide notification of the website link where the financial statements can be accessed in lieu of hardcopy submission.

12. Tax Documents. Documentation establishing compliant return filing and payment of taxes related to any Regulated Marijuana Business in which the Person is, or was, required to file and pay taxes.

B. Local Licensing/Approval Required.

1. Medical Marijuana Business Local Licensing Authority Approval Required.

- a. If the Division grants a license to a Medical Marijuana Business before the local licensing authority approves the application or grants a local license, the state license will be conditioned upon local approval. If the local licensing authority denies the application, the state license will be revoked.
- b. An Applicant is prohibited from operating a Medical Marijuana Business prior to obtaining all necessary licenses, registrations, permits or approvals from both the State Licensing Authority and the local licensing authority.

2. Retail Marijuana Business Local Jurisdiction Approval Required.

- a. If the Division grants a license for a Retail Marijuana Business before the local jurisdiction approves the application or grants a local license, the license will be conditioned upon local jurisdiction approval. If the local jurisdiction denies the application, the state license will be revoked.
- b. The Applicant has one year from the date of licensing by the State Licensing Authority to obtain approval or licensing from the local jurisdiction. If the Applicant fails to obtain local jurisdiction approval or licensing within one year from grant of the state license, the state license expires and may not be renewed.
- c. An Applicant is prohibited from operating a Retail Marijuana Business prior to obtaining all necessary approvals or licenses from both the State Licensing Authority and the local jurisdiction.

Basis and Purpose – Rule 225-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(XVI), 44-11-202(2)(a)(XVII), 44-11-305, 44-11-310, 44-11-311, 44-12-202(2)(b), 44-12-202(3)(c)(VII), 44-12-304, 44-12-309, and 44-12-310, C.R.S. The purpose of this rule is to establish the requirements and procedures for the license renewal process.

Rule 225–1 – Renewal Application Requirements for All Licensees

A. License Periods.

1. Regulated Marijuana Business and Owner Licenses are valid for one year from the date of issuance.
2. Medical Marijuana Transporters, Retail Marijuana Transporters, and Employee Licenses are valid for two years from the date of issuance.

B. Division Notification Prior to Expiration.

1. The Division will send a notice for license renewal 90 days prior to the expiration of an existing license by first class mail to the Licensee's physical address of record.
2. Failure to receive the Division notification does not relieve the Licensee of the obligation to timely renew the license.

C. Renewal Deadline.

1. A Licensee may apply for the renewal of an existing license at least 30 days prior to the license's expiration date. A renewal application filed at least 30 days prior to expiration of the license is timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until a Final Agency Order on the renewal application.
2. If the Licensee files a renewal application less than 30 days prior to expiration, the Licensee must provide a written explanation detailing the circumstances surrounding the untimely filing. If the Division accepts the application, then the application is deemed timely pursuant to subsection 24-4-104(7), C.R.S., and the Licensee may continue to operate until Final Agency Order on the renewal application.

D. License Expiration.

1. If License Not Renewed Before Expiration. A license is immediately invalid upon expiration if the Licensee has not filed a renewal application and remitted all of the required application and license fees prior to the license expiration date. A Regulated Marijuana Business that fails to file a renewal application and remit all required application and license fees prior to the license expiration date must not operate unless it first obtains a new state license and any required local license.
2. Administratively Continued Regulated Marijuana License. In the event of a renewal application filed after the license expiration date, a Regulated Marijuana Business may not operate unless and until the Division informs the Regulated Marijuana Business Licensee that the license has been administratively continued. A Regulated Marijuana Business whose license has been administratively continued may continue to operate until Final Agency Order on the renewal application. Review of the renewal application will include, among other factors, a review of whether the Regulated Marijuana Business operated with an expired license.
3. The Division will not accept a renewal application filed more than 90 days after the expiration date of the license. A Regulated Marijuana Business license that expired over 90 days prior to submission of the Regulated Marijuana Business' renewal application may only submit a new initial application to the State Licensing Authority.

E. Voluntarily Surrendered or Revoked Licenses Not Eligible for Renewal. Any license that was voluntarily surrendered or revoked by a Final Agency Order is not eligible for renewal. Any Licensee who voluntarily surrendered its license or has had its license revoked by a Final Agency Order may only submit an initial application. The State Licensing Authority will consider the voluntary surrender or the Final Agency Order and all related facts and circumstances in determining approval of any subsequent initial application.

F. Licenses Subject to Ongoing Administrative Action. Licenses subject to an administrative action are subject to the requirements of this Rule. Licenses that are not timely renewed expire.

G. Documents Required at Renewal. A Regulated Marijuana Business must provide the following documents with every renewal application:

1. Any document required by Rule 220-1(A)(1) through (10) that has changed since the document was last submitted to the Division. It is a license violation affecting public safety to fail to submit any document that changed since the last submission for the

purpose of circumventing the requirements of the Medical Code, the Retail Code or these Rules;

2. A copy of the approval or licensure from the local licensing authority and/or local jurisdiction or documentation demonstrating timely submission of pending local license renewal application;
3. A list of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency, including but not limited to the United States Securities and Exchange Commission or the Canadian Securities Administrators.
4. A Regulated Marijuana Business operating under a single Entity name with more than one license may submit the following documents only once each calendar year on the first license renewal in lieu of submission with every license renewal in the same calendar year:
 - a. Tax documents and financial statements required by Rule 220-1(A)(11) and (12);
 - b. If the Regulated Marijuana Business is a Publicly Traded Corporation, the most recent list of Non-Objecting Beneficial Owners possessed by the Regulated Marijuana Business;
 - c. A copy of any management agreement(s) the Regulated Marijuana Business has entered into. For example, management agreements include any agreement between the Regulated Marijuana Business and any Person, regardless of whether that Person is licensed, for the management of the overall operations of the Regulated Marijuana Business or its Licensed Premises or any material portion of the Regulated Marijuana Business or its Licensed Premises; and
 - d. Contracts, agreements, royalty agreements, equipment lease, financing agreement, or security contract for any Indirect Financial Interest Holder that is required to be disclosed by Rule 230-1(A)(3).

Basis and Purpose – Rule 230-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(2)(a)(VIII), 44-11-202(2)(a)(IX), 44-11-202(2)(a)(XVI), 44-11-202(2)(a)(XVII), 44-11-307.5, 44-11-313, 44-12-202(3)(c)(IV), 44-12-202(3)(c)(V) 44-12-202(3)(a)(III), 44-12-306.5, and 44-12-313, C.R.S. Sections 44-11-307.5 and 44-12-306.5, C.R.S., establish varying disclosure requirements for Applicants and Licensees regarding disclosure of financial interests and ownership in a Regulated Marijuana Business. The purpose of this rule is to clarify information an Applicant or Licensee must disclose to the State Licensing Authority at the various levels, which include mandatory disclosure, disclosure in the State Licensing Authority's discretion, and disclosure for reasonable cause. This rule also provides factors that will be considered in determining whether a Regulated Marijuana Business exercised reasonable care and whether a Person is in control of a Regulated Marijuana Business.

Rule 230-1 – Disclosure of Financial Interests in a Regulated Marijuana Business

- A. Mandatory Disclosures. Information required to be disclosed by sections 44-11-307.5 and 44-12-306.5, C.R.S., must be identified in every initial, renewal and change of owner application. Mandatory disclosures include, but are not limited to:
 1. All Regulated Marijuana Businesses (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations) must disclose an organizational chart including the identity and ownership percentages of all Controlling Beneficial Owners;
 2. All Controlling Beneficial Owners.

- a. For any Controlling Beneficial Owner that is an Entity (including Publicly Traded Corporations and entities that are not Publicly Traded Corporations):
 - i. The Controlling Beneficial Owner's Executive Officers; and
 - ii. Beneficial Owners of ten percent or more of the Controlling Beneficial Owner.
- b. Natural Persons:
 - i. Name,
 - ii. Address,
 - iii. Date of birth,
 - iv. Social Security Number or other Federal Government issued identification number.
- c. Qualified Private Fund: Organizational chart reflecting the identity and ownership percentages of the Qualified Private Fund's Executive Officers, investment advisers, investment adviser representatives, any trustee or equivalent, and any other Person that controls the investment in, or management or operations of, a Regulated Marijuana Business

3. Any Indirect Financial Interest Holder that:

- a. Holds two or more indirect financial interests,
- b. Is also a Passive Beneficial Owner, or
- c. That is contributing debt financing, secured or unsecured, that has not previously been disclosed and exceeds fifty percent of the operating capital of the Regulated Marijuana Business or if the calculation yields a negative number. Operating capital is defined as total current and fixed assets less total liabilities (as presented on the balance sheet consistent with the business's past practices), measured as of the nearest month's end prior to the date of the applicable loan document(s).

B. Discretionary Disclosure. In his or her reasonable discretion, the State Licensing Authority may require disclosure following an initial or renewal application for a Regulated Marijuana Business as follows:

- 1. For a Regulated Marijuana Business or a Controlling Beneficial Owner, neither of which is a Publicly Traded Corporation, its:
 - a. Affiliates,
 - b. Beneficial Owners of a Controlling Beneficial Owner;
- 2. Qualified Private Fund's Affiliates; and
- 3. Managers of a Controlling Beneficial Owner.

C. Reasonable Cause Disclosure. An Applicant will be notified by the State Licensing Authority of Reasonable Cause to require additional disclosure. The State Licensing Authority's notification will identify the facts and law supporting Reasonable Cause for the disclosure and the deadline

for disclosure. The following may be required to be disclosed by the State Licensing Authority's notification:

1. An updated list of all Non-objecting Beneficial Owners in a Publicly Traded Corporation that is either a Regulated Marijuana Business or a Controlling Beneficial Owner reflecting ownership as of the date of request;
2. All Passive Beneficial Owners in a Regulated Marijuana Business that is not a Publicly Traded Corporation. If the Passive Beneficial Owner is not a natural person, the members of the board of directors, general partners, managing members, or Managers or Executive Officers and Beneficial Owners of ten percent or more of the Passive Beneficial Owner;
3. A list of all Beneficial Owners of a Qualified Private Fund;
4. All Indirect Financial Interest Holders of a Regulated Marijuana Business, and, for any Indirect Financial Interest Holder that is an Entity, the Beneficial Owners of ten percent and more of the Indirect Financial Interest Holder.

D. Affirmation of Reasonable Care.

1. Reasonable Care Affirmation for a Regulated Marijuana Business that is not a Publicly Traded Corporation. A Regulated Marijuana Business that is not a Publicly Traded Corporation must affirm it exercised reasonable care to confirm its Passive Beneficial Owner(s), including any Qualified Institutional Investors, and Indirect Financial Interest Holder(s) are not Persons prohibited under these Rules, the Medical Code or the Retail Code. A Regulated Marijuana Business exercises reasonable care if it:
 - a. Receives documentation from each Passive Beneficial Owner, including any Qualified Institutional Investor, and each Indirect Financial Interest Holder affirming each is not a Person prohibited by these Rules, or the Medical Code or Retail Code; and
 - b. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Passive Beneficial Owner or Indirect Financial Interest Holder's affirmation.
2. Reasonable Care Affirmation for a Regulated Marijuana Business that is a Publicly Traded Corporation. A Regulated Marijuana Business that is a Publicly Traded Corporation must affirm that it exercised reasonable care to confirm its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, and Indirect Financial Interest Holder(s) are not Persons prohibited by these Rules, the Medical Code or Retail Code. A Regulated Marijuana Business that is a Publicly Traded Corporation exercises reasonable care if it:
 - a. At least annually, checks a list of its Passive Beneficial Owners, including Qualified Institutional Investors, both of which are Non-Objecting Beneficial Owners, against the Specially Designated Nationals and Blocked Persons List (SDN List) on the United States Treasury Office of Foreign Assets Control (OFAC) website and the Financial Industry Regulatory Authority (FINRA) website for Persons Barred by FINRA to determine if there are any prohibited Persons;
 - b. Receives documentation from its Indirect Financial Interest Holder(s) affirming each is not a Person prohibited these Rules, the Medical Code or the Retail Code; and

- c. The Regulated Marijuana Business does not know or reasonably should not know facts that would contradict the Indirect Financial Interest Holder's affirmation.
- 3. An Applicant's or a Regulated Marijuana Business's failure to exercise reasonable care is grounds for denial, fine, suspension, revocation, or other sanction by the State Licensing Authority. An Applicant or Regulated Marijuana Business in compliance with subparagraphs (D)(1)-(2) of this Rule has exercised reasonable care. The State Licensing Authority may consider facts and circumstances beyond those in subparagraphs (D)(1)-(2) in determining whether an Applicant or a Regulated Marijuana Business exercised reasonable care.
- E. Control. The State Licensing Authority will consider all facts and circumstances in determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.
 - 1. Non-Exhaustive Factors. Non-exhaustive facts and circumstances that will be considered when evaluating Control include, but are not limited to:
 - a. The Person's percentage of ownership, if any;
 - b. The Person's ability to influence the decision of the Regulated Marijuana Business;
 - c. The Person is a Manager of the Regulated Marijuana Business;
 - d. The Person has a close relationship, familial tie or common purpose or motive with one or more Persons in Control of the Regulated Marijuana Business;
 - e. The Person has substantial business relationship(s) with the Regulated Marijuana Business;
 - f. The Person has the ability to control the proxy machinery or to win a proxy contest;
 - g. The Person is a primary creditor of the Regulated Marijuana Business; or
 - h. The Person is the original incorporator of the Regulated Marijuana Business.
 - 2. Totality of the Evidence. The State Licensing Authority may consider the totality of the evidence when determining whether a Person has Control of a Regulated Marijuana Business or is a Controlling Beneficial Owner by virtue of common control.

Basis and Purpose – Rule 235-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.6, 44-11-309(4), 44-11-313, 44-12-202(6)(a), 44-12-306.6, 44-12-308(4), and 44-12-312, C.R.S. For those persons disclosed or who should have been disclosed to the State Licensing Authority, sections 44-11-307.6 and 44-12-306, C.R.S., requires that a Person obtain a finding of suitability from the State Licensing Authority. The purpose of this rule is to explain the conditions under which a Person is subject to either a mandatory finding of suitability, a finding of suitability for reasonable cause, or qualified to obtain an exemption for a finding of suitability and to identify the information and documents that, at a minimum, must be submitted in connection with any Person's request for a finding of suitability.

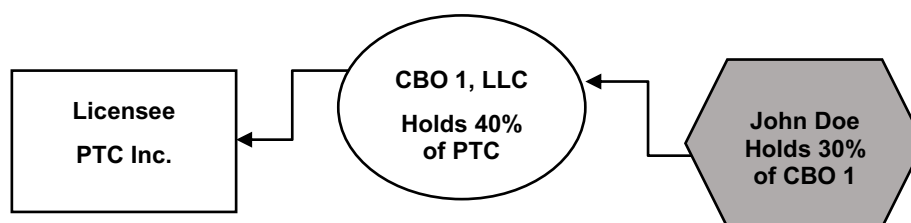
Rule 235-1 – Suitability

A. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Not Publicly Traded Corporations.

1. Any Person intending to become a Controlling Beneficial Owner by submitting an initial application for any Regulated Marijuana Business that is not a Publicly Traded Corporation must first submit a request to the State Licensing Authority for a finding of suitability.
2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
3. Any Person that has not received a finding of suitability after November 1, 2019 and within the preceding 365 days who intends to become a Controlling Beneficial Owner by submitting a change of owner application for a Regulated Marijuana Business must submit a request to the State Licensing Authority for a finding of suitability contemporaneously with the change of owner application.

B. Persons Subject to a Mandatory Finding of Suitability for Regulated Marijuana Businesses that are Publicly Traded Corporations.

1. The following Persons must apply to the State Licensing Authority for a finding of suitability:
 - a. Any Person that becomes a Controlling Beneficial Owner of any Regulated Marijuana Business that is a Publicly Traded Corporation; and
 - b. Any Person that indirectly beneficially owns ten percent or more of the Regulated Marijuana Business that is a Publicly Traded Corporation through direct or indirect ownership of its Controlling Beneficial Owner. For example, assuming in the scenario depicted below, Licensee PTC Inc. has one-million shares of outstanding securities and CBO 1 owns 400,000 of those securities. John Doe owns 30% of CBO 1. Therefore, John Doe indirectly owns 12% of the outstanding securities of Licensee PTC Inc., and must apply to the State Licensing Authority for a finding of suitability:



2. For a Controlling Beneficial Owner that is an Entity, the Entity's request for finding of suitability must include all information necessary for the State Licensing Authority to determine whether its Executive Officers and any person that indirectly owns ten percent or more of the Owner's Interest in the Regulated Marijuana Business are suitable.
3. Timing of Request for Finding of Suitability Involving Publicly Traded Corporation.
 - a. Unless exempted under Rule 235-1(E), all Persons that will be a Controlling Beneficial Owner in a Regulated Marijuana Business that is entering into a Publicly Traded Corporation transaction described in Rule 245-1(C)(1) must first

obtain a finding of suitability before the transaction can close or the public offering can occur.

- b. A Person who becomes a Controlling Beneficial Owner in a Regulated Marijuana Business that is a Publicly Traded Corporation must submit a request for a finding of suitability to the State Licensing Authority within 45 days of becoming a Controlling Beneficial Owner.

C. Finding of Suitability for Reasonable Cause. For Reasonable Cause, any other Person that was disclosed or should have been disclosed pursuant to Articles 44-11-307.5(1) or (2) or 44-12-306.5(1) or (2) or that was required to be disclosed based on previous notification of Reasonable Cause must submit a request to the State Licensing Authority for a finding of suitability. Any Person required to submit a request for a finding of suitability pursuant to this Rule must submit such request within 45 days from notice of the State Licensing Authority's determination of Reasonable Cause for the finding of suitability.

D. Information Required in Connection with a Request for a Finding of Suitability. When determining whether a Person is suitable or unsuitable for licensure, the State Licensing Authority may consider the Person's criminal character or record, licensing character or record, or financial character or record. To consider a Person's criminal character or record, licensing character or record, and financial character or record, all requests for a finding of suitability must, at a minimum, be accompanied by the following information:

1. Criminal Character or Record:

- a. A set of the natural person's fingerprints for purposes of a fingerprint-based criminal history record check.

2. Licensing Character or Record:

- a. Affirmation that the Person is not prohibited from holding a license under 44-11-307 or 44-12-306, C.R.S.
- b. A list of all Colorado Department of Revenue-issued business licenses held in the three years prior to submission of the request for a finding of suitability;
- b. A list of all Department of Regulatory Agencies business, professional or occupational licenses held in the three years prior to submission of the request for a finding of suitability;
- c. A list of any marijuana business or personal license(s) held in any other state or territory of the United States or District of Columbia or another country, where such license is or was at any time subject to a denial, suspension, revocation, surrender, or equivalent action by the licensing agency, commission, board, or similar authority; and
- d. Disclosure of any civil lawsuits in which the Person was named as a party where pleadings included allegations involving any Regulated Marijuana Business.

3. Financial Character or Record:

- a. Disclosure of any sanctions, penalties, assessments, or cease and desist orders imposed by any securities regulatory agency other than the United States Securities and Exchange Commission;
- b. If the Person's request for a finding of suitability is for purposes of acquiring ten percent or more of the Owner's Interest in the Regulated Marijuana Business,

copies of the Person's financial account statements for the preceding one-hundred eighty days for any accounts serving as a source of funding used to acquire the Owner's Interest in the Regulated Marijuana Business; or, if the Person is contributing one or more asset(s) to the Regulated Marijuana Business in exchange for the Owner's Interests, documents establishing the Person has owned such asset(s) for the preceding one-hundred eighty days.

E. Exemptions from a Finding of Suitability.

1. The following Persons are exempt from an otherwise required finding of suitability:
 - a. Any Person that currently possesses an approved license issued by the State Licensing Authority and such license has not, in the preceding 365 days, been subject to suspension or revocation; or
 - b. Any Person that obtained an approved finding of suitability after November 1, 2019, and within the preceding 365 days, and the Person submits an affirmation of the following: Since the prior finding of suitability, there has been no material change to information regarding the Person's criminal character or record, licensing character or record, or financial character or record.
2. Exemptions from an otherwise required finding of suitability are limited to those listed in this Rule. The State Licensing Authority will consider other factors that may inform amendments to this rule through the Department's formal rulemaking session.

F. Timing to Approve or Deny a Finding of Suitability. Absent Reasonable Cause, the State Licensing Authority must approve or deny a finding of suitability within 120 days from the date of submission of the request for such finding, where such request was accompanied by all information required under subsection (D) of this Rule.

Basis and Purpose – Rule 240-1

The statutory basis for this rule includes but is not limited to sections 44-11-104(23.5), 44-11-202(5)(a)(III), 44-11-307.5(3), 44-11-307.6(10), 44-12-103(20.5), 44-12-202(6)(a)(III), 44-12-306.5(3), and 44-12-306.6(10), C.R.S. The purpose of this rule is to clarify the factors the State Licensing Authority will consider when determining whether reasonable cause exists to require disclosure, to require a finding of suitability or to extend the 120 day deadline for granting or denying a request for a finding of suitability.

Rule 240-1 – Factors Considered in Determining Reasonable Cause for Disclosure, Finding of Suitability and Extension of 120 Deadline for Finding of Suitability

- A. Non-Exhaustive Factors Informing Reasonable Cause Consideration. The State Licensing Authority may consider the following non-exhaustive factors when evaluating whether Reasonable Cause exists for disclosure, requiring a reasonable cause finding of suitability or extension of time to provide a finding of suitability:
1. The Person provided materially inaccurate or incomplete documents to the Division;
 2. The Person failed to provide required documents to the Division;
 3. The request for a finding of suitability is sufficiently complex such that a determination cannot be completed within the 120 day deadline specified;
 4. Information that an undisclosed Person is controlling or has the ability to control the Regulated Marijuana Business;

5. Information indicating one or more Persons prohibited holds an interest in the Regulated Marijuana Business;
6. Inability to obtain documents or information expected to be available from third-parties or publicly available sources;
7. The Person interfered with, obstructed, or impeded a Division investigation;
8. The Person failed to make any filing required by a securities regulator or securities exchange that has regulatory oversight over the Person;

Basis and Purpose – Rule 245-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307, 44-11-307.5, 44-11-307.6, 44-11-309, 44-11-310(4), 44-11-202(6)(a), 44-11-306, 44-11-306.5, 44-11-306.6, 44-12-308, and 44-12-309, C.R.S. The purpose of this rule is define the application process and conditions an Applicant or Licensee must meet when changing Beneficial Ownership in a Regulated Marijuana Business.

Rule 245–1 – Change of Controlling Beneficial Owner Application or Notification

A. Application for Change of Controlling Beneficial Owner(s) – Not a Publicly Traded Corporation.

1. Unless excepted pursuant to subparagraph (B) of this Rule, a Regulated Marijuana Business that is not a Publicly Traded Corporation must obtain Division approval before it transfers the Owner's Interests of any Controlling Beneficial Owner(s).
2. All applications for change of Controlling Beneficial Owner(s) must be executed by every Controlling Beneficial Owner whose Owner's Interests are proposed to change and any Person proposed to become a Controlling Beneficial Owner(s). Controlling Beneficial Owners who's Owner's Interest will not change are not required to execute the change of owner application; however, at least one Controlling Beneficial Owner and all Persons proposed to become a Controlling Beneficial Owner must execute every change of owner application.
3. The State Licensing Authority will not approve a change of owner application until:
 - a. Local Approval Required. If local approval is required, the proposed Controlling Beneficial Owner(s) demonstrates to the State Licensing Authority that local approval has been obtained;
 - i. If a local licensing authority or local jurisdiction requires a change of owner application and that application is denied, the State Licensing Authority will deny the State change of owner application;
 - b. No Local Approval Required. If local approval is not required, the proposed Controlling Beneficial Owner(s) demonstrates that such approval is not required and notifies the State Licensing Authority of the date by which the change of owner will be completed, which must be within thirty days of the Division's notice that such change of owner application is ready to be approved.
4. If the change of owner application proposes one or more new Controlling Beneficial Owner(s), the proposed new Controlling Beneficial Owner(s) cannot operate the Regulated Marijuana Business identified in the change of owner application until the application is approved in writing by the Division. Controlling Beneficial Owners that have already been approved in connection with ownership of the Regulated Marijuana Business may continue to operate the Regulated Marijuana Business. A violation of this

requirement is grounds for denial of the change of owner application, may be a violation affecting public safety, and may result in disciplinary action against the Applicant's existing license(s).

5. If a Regulated Marijuana Business or any of its Controlling Beneficial Owner(s) apply for a change of owner and is involved in an administrative investigation or administrative action, the following may apply:

- a. The change of owner application may be delayed or denied until the administrative action is resolved; or
- b. If the change of owner application is approved by the Division, the transferor, the transferee, or both of them may be responsible for the actions of the Regulated Marijuana Business and its prior Controlling Beneficial Owners, and subject to discipline based upon the same.

6. Documents Required. Any change of owner application regarding a Controlling Beneficial Owner of a Regulated Marijuana Business that does not involve a Publicly Traded Corporation must include the following documents:

- a. Asset purchase agreement, merger, sales contract, agreement, or any other document necessary to effectuate the change of owner;
- b. Request for a finding of suitability for each proposed Controlling Beneficial Owner(s);
- c. Operating agreement, by-laws, partnership agreement or other governing document as will apply to the Regulated Marijuana Business if the change of owner application is approved;
- d. Request for voluntary surrender form for the Owner License of any Controlling Beneficial Owner that will not remain a Controlling Beneficial Owner, or Passive Beneficial Owner electing to hold an Owner License in a Regulated Marijuana Business if the change of owner application is approved;
- e. Copy of current Medical or Retail Marijuana State Sales Tax or Wholesale license and any other documents necessary to verify tax compliance; and
- f. Owner License application(s) for any proposed Controlling Beneficial Owner that does not already hold a valid Owner License.

7. Licensee Initiates Change of Owner for Permitted Economic Interests Issued Prior to January 1, 2020. All natural persons holding a Permitted Economic Interest who seek to become a Controlling Beneficial Owner are subject to this Rule. The Regulated Marijuana Business must initiate the change of owner process for a natural person holding a Permitted Economic Interest who seeks to convert its interest and become a Controlling Beneficial Owner in a Regulated Marijuana Business. Prior to submitting a change of owner application, the Permitted Economic Interest holder must obtain a finding of suitability pursuant to Rule 235-1 including any required criminal history record check. Permitted Economic Interest holders who fail to obtain a finding of suitability to become a Controlling Beneficial Owner may remain as a Permitted Economic Interest holder.

8. Medical Marijuana Transporters and Retail Marijuana Transporters Not Eligible for Change of Owner. Medical Marijuana Transporters and Retail Marijuana Transporters are not eligible to transfer the entire Beneficial Ownership of their Regulated Marijuana Business.

B. Exemptions to the Change of Owner Application Requirement.

1. Entity Conversions. A Regulated Marijuana Business or a Controlling Beneficial Owner may combine with, convert including but not limited to under sections 7-90-201 et seq., C.R.S., or engage in a transaction in which all of its assets are transferred or sold for the exclusive purpose of changing its Entity jurisdiction in one of the states or territories of the United States or the District of Columbia or its Entity type without filing a change of owner application if the Controlling Beneficial Owners and their Owner's Interests will remain the same after the combination, conversion or sale. Within 14 days of the combination, conversion, or sale the Regulated Marijuana Business must submit a written notification to the Division including:
 - a. A copy of any transaction documents,
 - b. Documents submitted to the Colorado Secretary of State,
 - c. Any document submitted to the secretary of state or similar regulator if the Entity is organized under the laws of a state of the United States other than Colorado, territory of the United States or the District of Columbia,
 - d. Identification of the Regulated Marijuana Business's or Controlling Beneficial Owner's registered agent,
 - e. Identification of any Passive Beneficial Owner and Indirect Financial Interest Holder for which disclosure is required by Rule 230-1.
2. Reallocation of Owner's Interests Among Controlling Beneficial Owners. A Regulated Marijuana Business may reallocate Owner's Interests among existing Controlling Beneficial Owners holding valid Owner Licenses if it provides notification of the reallocation to the Division with its next renewal application as long as the Controlling Beneficial Owners remain unchanged.

C. Change of Owner Involving a Publicly Traded Corporation. This Rule applies to transactions involving any Publicly Traded Corporation.

1. Publicly Traded Corporation Transactions. A Regulated Marijuana Business may transact with a Publicly Traded Corporation in the following ways:
 - a. Merger with a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to receive, directly or indirectly, an investment from, or intends to merge or consolidate with a Publicly Traded Corporation, whether by way of merger, combination, exchange, consolidation, reorganization, sale of assets or otherwise, including but not limited to any shell company merger.
 - b. Investment by a Publicly Traded Corporation. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to transfer, directly or indirectly, ten percent or more of the Securities in the Regulated Marijuana Business to a Publicly Traded Corporation, whether by sale or other transfer of outstanding Securities, issuance of new Securities, or otherwise.
 - c. Public Offering. A Regulated Marijuana Business that intends or that has a Controlling Beneficial Owner that intends to become, directly or indirectly, a Publicly Traded Corporation, whether by effecting a primary or secondary offering of its Securities, uplisting of outstanding Securities, or otherwise.
2. Required Finding(s) of Suitability.

- a. Pre-Transaction Findings of Suitability Required. Any Person intending to become a Controlling Beneficial Owner in a Regulated Marijuana Business in connection with any transaction identified in subparagraph (C)(1)(a) through (c) above, must obtain a finding of suitability prior to the Publicly Traded Corporation transaction closing or becoming effective.
 - b. Ongoing Suitability Requirements. Any Person who becomes a Controlling Beneficial Owner of a Publicly Traded Corporation that is a Regulated Marijuana Business must apply to the State Licensing Authority for a finding of suitability or an exemption from a finding of a suitability pursuant to Rule 235-1 within forty-five days of becoming a Controlling Beneficial Owner. A Publicly Traded Corporation that is a Regulated Marijuana Business must notify any Person that becomes a Controlling Beneficial Owner of the suitability requirements as soon as the Regulated Marijuana Business becomes aware of the ownership subjecting the Person to this requirement; however, the Controlling Beneficial Owner's obligation to timely request the required finding of suitability is independent of, and unaffected by, the Regulated Marijuana Business's failure to make the notification.
3. Mandatory Disclosure of Required, United States Securities and Exchange Commission, Canadian Securities Administrators and/or Securities Exchange Filings. A Regulated Marijuana Business and any Controlling Beneficial Owner that is required to file any document with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other similar securities regulator or any securities exchange regarding any change of owner in subparagraphs (C)(1)(a) through (c) above must also provide a notice to the Division at the same time as the filing with the United States Securities and Exchange Commission, the Canadian Securities Administrators or the securities exchange.
4. Ordinary Broker Transactions. Resales or transfers of Securities of a Publicly Traded Corporation that is a Regulated Marijuana Business or Controlling Beneficial Owner or Passive Beneficial Owner in ordinary broker transactions through an established trading market do not require a change of owner application or prior approval from the State Licensing Authority.
- D. Change of Passive Beneficial Owner. Persons are not required to submit an application or obtain prior approval of their ownership if: (1) the Person will remain a Passive Beneficial Owner after the acquisition of Owner's Interests is complete, and (2) disclosure is not otherwise required by sections 44-11-307.5 or 44-12-306.5, C.R.S., or Rule 230-1.
- E. Controlling Beneficial Owner Dispute.
 1. In the event of a dispute between Controlling Beneficial Owner(s) not involving divestiture under Rule 275-1 and precluding or otherwise impeding the ability to comply with these Rules, a Regulated Marijuana Business that is not a Publicly Traded Corporation must either submit a change of owner application or initiate mediation, arbitration or a judicial proceeding within 90 days of the dispute. The 90 day period may be extended for an additional 90 days upon a showing of good cause by the Regulated Marijuana Business.
 2. A Regulated Marijuana Business that is not a Publicly Traded Corporation must submit a change of owner application within forty-five days of entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. Any change of owner application based on a final court order, final arbitration award, or fully executed settlement agreement must include a copy of the order or settlement agreement and remains subject to approval by the Division. In this circumstance, the change of owner application needs to be executed by at least one remaining Controlling Beneficial Owner.

3. If mediation, arbitration or a judicial proceeding is not timely initiated or a change of owner application is not timely submitted following entry of a final court order, final arbitration award or full execution of a settlement agreement altering the Controlling Beneficial Owner(s) of a Regulated Marijuana Business that is not a Publicly Traded Corporation, the Regulated Marijuana Business and its Owner Licensee(s) may be subject to fine, suspension or revocation of their license(s).

Basis and Purpose – Rule 250-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a), 44-11-307.5(6), 44-12-202(6)(a), and 44-11-306.5(6), C.R.S. The purpose of this rule is to require notification to the State Licensing Authority of any filing with a securities regulator by an Applicant or Licensee.

Rule 250-1 – Regulated Marijuana Business that is a Publicly Traded Corporation – Notification of Non-Confidential Securities Filings

- A. A Regulated Marijuana Business that is a Publicly Traded Corporation must provide notice on Division forms within two business days of any non-confidential filing with the United States Securities and Exchange Commission, the Canadian Securities Administrators, any other securities regulator, or any security exchange on which the Securities are listed or traded. The notice must identify the title of the document and include a hyperlink to the website where the document is publicly available (example EDGAR or SEDAR link for the Publicly Traded Corporation).
- B. In addition to any other administrative or investigative requests or inquiries, the Division may contact a Regulated Marijuana Business that is a Publicly Traded Corporation to obtain clarification of a securities filing.
- C. This rule is currently limited to require notice of securities filings that are not confidential. However, this rule may be evaluated during subsequent rulemaking proceedings and/or in connection with development of a policy regarding confidential securities filings.

Basis and Purpose – Rule 255-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(2)(e), 44-12-202(3)(a)(I), 44-12-309(6), 44-12-309(12) and 44-12-303, C.R.S. The purpose of this rule is to clarify the application process for changing location of a Licensed Premises.

Rule 255-1 – Change of Location of a Regulated Marijuana Business

- A. Application Required Before Changing Location of Licensed Premises. A Regulated Marijuana Business must apply for and receive Division approval before changing the location of its Licensed Premises.
- B. Application Requirements. A change of location application must include:
 1. At least one signature of a Controlling Beneficial Owner and representation that the signing Controlling Beneficial Owner(s) is/are authorized to submit the application on behalf of the Regulated Marijuana Business.
 2. Evidence the local licensing authority and/or the local jurisdiction in which the Regulated Marijuana Business proposes to move have approved the proposed new location.
 3. The deed, lease, sublease, rental agreement, contract, or any other document(s) establishing the Licensee is, or will be, entitled to possession of the premises for which the application is made.

4. Legible and accurate floor plans for the proposed Licensed that complies with the requirements of the M/R 300 Series of these Rules. The floor plans must include a plan for the proposed Licensed Premises and a separate plan for the security/surveillance plan including camera location, number and direction of coverage. If the diagram is larger than 8.5 x 11 inches, the Applicant must also provide the diagram in a portable document format (.pdf).

C. Change of Location Permit Required.

1. A Regulated Marijuana Business cannot change the location of its Licensed Premises until it receives a change of location permit from the Division.
2. The permit is effective on the date of issuance, and the Licensee must, within 120 days, change the location of its Regulated Marijuana Business to the place specified in the change of location permit and at the same time cease to operate a Regulated Marijuana Business at the former location. For good cause shown, the 120 day deadline may be extended for an additional 120 days.
3. A Regulated Marijuana Business cannot operate or exercise any of the privileges of its license(s) in both locations.
4. If the Regulated Marijuana Business does not change the location of its Licensed Premises within the time period granted by the Division, including any extension, the Regulated Marijuana Business must submit a new application, pay the change of location fee, and receive a new change of location permit prior to changing the location of its Licensed Premises.

D. Violation Affecting Public Safety. It is a violation affecting public safety if a Regulated Marijuana Business changes the location of its Licensed Premises without first obtaining a change of location permit from the Division, and any required approval(s) from the local licensing authority and/or local jurisdiction.

Basis and Purpose – Rule 260-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(VII), 44-11-202(2)(a)(X), 44-11-202(2)(a)(XVII), 44-11-307(2), 44-11-306, 44-11-310(6), 44-11-401, 24-76.5-101 et seq., 44-11-601(1), 44-12-202(2)(b), 44-12-202(3)(a), 44-12-202(3)(c)(IV)-(V), 44-12-305, 44-12-306(2), 44-12-305, 44-12-309(6), 44-12-401, 44-12-601(1), C.R.S. Historically, natural persons who held an Owner's Interest in a Regulated Marijuana Business were required to hold an Associated Key License. This Rule transitions the Associated Key designation to an Owner License designation after August 1, 2019. The purpose of this rule is to clarify the requirements and procedures a Person must follow when applying for or possessing either an Owner License or an Employee License. This rule also identifies factors the State Licensing Authority will consider in determining whether a natural person is a resident and whether such person possess good moral character.

Rule 260-1 –Owner and Employee License: License Requirements, Applications, Qualifications, and Privileges

Associated Key Licenses remain valid until the first renewal following August 1, 2019, after which such licenses will be renewed as an Owner License.

A. Owner Licenses Required.

1. Each Controlling Beneficial Owner must hold a valid Owner License.

2. If a Controlling Beneficial Owner is an Entity, then its Executive Officer(s) and any Person who indirectly holds ten percent or more of the Owner's Interests in the Regulated Marijuana Business must also hold a valid Owner License.
 3. A Passive Beneficial Owner who is a natural person may elect to hold an Owner License and obtain an Owner Identification Badge provided that such Person agrees to be disclosed as holding an Owner's Interest in the Regulated Marijuana Business.
- B. Owner License and Identification Badge or Employee License and Identification Badge Required. The following natural persons must possess a valid Owner License and Identification Badge or an Employee License and Identification Badge:
1. Any person who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, or delivers Regulated Marijuana or Regulated Marijuana Products as permitted by privileges of a Regulated Marijuana Business license;
 2. Any person who has access to the Inventory Tracking System or a Regulated Marijuana Business point of sale system; and
 3. Any person with unescorted access in the Restricted Access Area or Limited Access Area.
- C. Visitor Escort Required. Any natural person in a Restricted Access Area or Limited Access Area that does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge is a visitor and must be escorted at all times by a person who holds a valid Owner License and Identification Badge or Employee License and Identification Badge. Failure by a Regulated Marijuana Business to continuously escort a person who does not have a valid Owner License and Identification Badge or an Employee License and Identification Badge in the Limited Access Area is a license violation affecting public safety. Customers in a Restricted Access Area and third-party vendors in a Limited Access Area do not need to be escorted at all times, but must be reasonably monitored.
- D. Employee License Required to Commence or Continue Employment. Any person required to obtain an Employee License by these rules must obtain such a license before commencing activities permitted by his or her Employee License.
- E. Owner and Employee License Identification Badges Are Property of State Licensing Authority. All Owner and Employee License Identification Badges are property of the State Licensing Authority.
- F. Owner and Employee Initial and Renewal Applications Required. Owner and Employee Licensees must submit initial and renewal applications on Division forms and in accordance with this Rule and Rules 215-1, 220-1 and 225-1.
- G. Owner License Qualifications and Privileges.
1. Owner License Qualifications. Each Controlling Beneficial Owner, or Passive Beneficial Owner who elects to be subject to disclosure and licensure, must meet the following criteria before receiving an Owner License:
 - a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application;

- c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to sections 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Each Controlling Beneficial Owner required to hold an Owner License, and any Passive Beneficial Owner that elects to hold an Owner License, must be fingerprinted at least once every two years, and may be fingerprinted more often at the Division's discretion.
 - e. An Owner Licensee who exercises day-to-day operational control over the Licensed Premise of a Regulated Marijuana Business must possess an Identification Badge and must establish and maintain Colorado residency.
2. Owner License Exercising Privileges of an Employee License. A person who is a Colorado resident and who holds an Owner License and Owner Identification Badge may exercise the privileges of an Employee License in any Regulated Marijuana Business.

H. Employee Licensee Qualifications, and Privileges.

1. Employee License Qualifications Requirements. An Employee License Applicant must meet the following criteria before receiving an Employee License:
- a. The Applicant is not prohibited from licensure pursuant to 44-11-306, C.R.S., or 44-12-305, C.R.S.;
 - b. The Applicant has not been a State Licensing Authority employee with regulatory oversight responsibilities for Persons licensed by the State Licensing Authority in the six months immediately preceding the date of the Applicant's application.
 - c. The Division has not received notice that the Applicant has failed to comply with a court or administrative order for current child support, child support debt, retroactive child support, or child support arrearages. If the Division receives notice of the Applicant's noncompliance pursuant to section 24-35-116 and 26-13-126, C.R.S., the application may be denied or delayed until the Applicant has established compliance with the order to the satisfaction of the state child support enforcement agency.
 - d. Employee Licensees working in a Regulated Marijuana Business must be Colorado Residents at the time of initial application and must maintain residency during the period of licensure, unless they are applying for a workforce training or development residency exempt license.
2. Medical and Retail Employee Licenses. A person who holds a current, valid Employee License and Identification Badge issued pursuant to the Medical Code or the Retail Code may work in a Regulated Marijuana Business.
3. Workforce Training or Development Residency Exempt License. An Applicant who wishes to obtain a workforce development or training exemption to the license residency requirement may apply for an Employee License and must:
- a. Submit a complete application on the Division's approved forms;
 - b. Establish she or he meets the licensing criteria of this Rule 260-1(H)(1)(a)-(c)

- c. Provide evidence of proof of lawful presence; and
 - d. Provide a complete Workforce Training or Development Affirmation form executed under penalty of perjury.
 - I. Owner and Employee Licensees Required to Maintain Licensing Qualification. An Owner Licensee or Employee Licensee's failure to maintain qualifications for licensure may constitute grounds for discipline, including but not limited to suspension, revocation, or fine.
 - J. Factors Considered when Determining Residency and Citizenship. This Rule applies to persons who are required to have and maintain Colorado residency. In determining whether a person is a Colorado resident, the State Licensing Authority will consider the following factors:
 - 1. Primary Home Defined. The location of an Applicant's principal or primary home or place of abode ("primary home") may establish Colorado residency. An Applicant's primary home is that home or place in which a person's habitation is fixed and to which the person, whenever absent, has the present intention of returning after a departure or absence therefrom, regardless of the duration of such absence. A primary home is a permanent building or part of a building and may include, by way of example, a house, condominium, apartment, room in a house, or manufactured housing. No rental property, vacant lot, vacant house or cabin, or other premises used solely for business purposes will be considered a primary home.
 - 2. Reliable Indicators That an Applicant's Primary Home is in Colorado. The State Licensing Authority considers the following types of evidence to be generally reliable indicators that a person's primary home is in Colorado.
 - a. Evidence of business pursuits, place of employment, income sources, residence for income or other tax purposes, residence of spouse and any minor children, leaseholds, situs of personal and real property, existence of any other residences outside Colorado and the amount of time spent at each such residence, and any motor vehicle or vessel registration;
 - b. Duly authenticated copies of the following documents may be taken into account: A current driver's license with address, recent property tax receipts, copies of recent income tax returns where a Colorado mailing address is listed as the primary address, current voter registration cards, current motor vehicle or vessel registrations, and other public records evidencing place of abode or employment; and
 - c. Other types of reliable evidence.
 - 3. Totality of the Evidence. The State Licensing Authority will review the totality of the evidence, and any single piece of evidence regarding the location of a person's primary home is not necessarily determinative.
 - 4. Other Considerations for Residency. The State Licensing Authority may consider the following circumstances:
 - a. Members of the armed services of the United States or any nation allied with the United States who are on active duty in this state under permanent orders and their spouses;
 - b. Personnel in the diplomatic service of any nation recognized by the United States who are assigned to duty in Colorado and their spouses; and

c. Full-time students who are enrolled in any accredited trade school, college, or university in Colorado. The temporary absence of such student from Colorado, while the student is still enrolled at any such trade school, college, or university, will not be deemed to terminate their Colorado residency. A student will be deemed "full-time" if considered full-time pursuant to the rules or policy of the educational institution he or she is attending.

5. Entering Armed Forces Does Not Terminate Residency. A person who is a Colorado resident pursuant to this rule does not terminate Colorado residency upon entering the armed services of the United States. A member of the armed services on active duty who resided in Colorado at the time the person entered military service and the person's spouse are presumed to retain their status as residents of Colorado throughout the member's active duty in the service, regardless of where stationed or for how long.

K. Evaluating a Natural Person's Good Moral Character Based on Criminal History

1. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division will not consider the following:

- a. The mere fact a person's criminal history contains an arrest(s) or charge(s) of a criminal offense that is not actively pending;
- b. A conviction of a criminal offense in which the Application/Licensee received a pardon;
- c. A conviction of a criminal offense which resulted in the sealing or expungement of the record; or
- d. A conviction of a criminal offense in which a court issued an order of collateral relief specific to the application for state licensure.

2. In evaluating whether a Person is prohibited as a licensee pursuant to subsections 44-11-306(1)(b) or (c), or 44-12-305(1)(b) or (c) C.R.S., based on a determination that the person's criminal history indicates he or she is not of Good Moral Character, the Division may consider the following history:

- a. Any felony conviction(s);
- b. Any conviction(s) of crimes involving moral turpitude;
- c. Pertinent circumstances connected with the conviction(s); and
- d. Conduct underlying arrest(s) or charge(s) or a criminal offense for which the criminal case is not actively pending.

3. When considering criminal history in subparagraph (K)(2) above, the Division will consider:

- a. Whether there is a direct relationship between the conviction(s) and the duties and responsibilities of holding a state license issued pursuant to the Medical Code or the Retail Code;
- b. Any information provided to the Division regarding the person's rehabilitation, which may include but is not limited to the following non-exhaustive considerations:

- i. Character references;
- ii. Educational, vocational, and community achievements, especially those achievements occurring during the time between the person's most recent criminal conviction and the application for a state license;
- iii. Successful participation in an alcohol or drug treatment program;
- iv. That the person truthfully and fully reported the criminal conduct to the Division;
- v. The person's employment history after conviction or release, including but not limited to whether the person was vetted and approved to hold a state or out-of-state license for the purposes of employment in a regulated industry;
- vi. The person's successful compliance with any conditions of parole or probation imposed after conviction or release; or
- vii. Any other facts or circumstances tending to show the Applicant has been rehabilitated and is ready to accept the responsibilities of a law-abiding and productive member of society.

Basis and Purpose – Rule 265-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(1)(b), 44-11-202(1)(e), 44-11-202(2)(a)(XVII), 44-11-202(2)(a)(XXIV), 44-11-304, 44-11-310(7), 44-11-310(13), 44-12-202(2)(b), 44-12-202(3)(a)(XVI), 44-12-202(3)(a)(XVII), 44-12-304, 24-4-104, and 24-4-105, C.R.S. The purpose of this rule is to clarify the procedures and factors governing the denial process and voluntary withdrawal process for all licenses issued by the State Licensing Authority.

Rule 265–1 – Application Denial/Voluntary Withdrawal

- A. Applicant Bears Burden of Proving It Meets Licensure Requirements. A license, registration, or permit issued to a Person or a Regulated Marijuana Business is a revocable privilege. At all times during the application process, an Applicant must be capable of establishing it is qualified to hold a license.
- B. Applicants must provide information to the Division in a full, faithful, truthful, and fair manner. An application may be denied where the Applicant made misstatements, omissions, misrepresentations, or untruths in the application or in connection with the Applicant's suitability investigation. Providing misstatements, misrepresentations, omissions or untruths to the Division may be the basis for administrative action, or the basis of criminal charges against the Applicant.
- C. Grounds for Denial
 1. The State Licensing Authority will deny an application for Good Cause.
 2. The State Licensing Authority will deny an application from an Applicant that is statutorily disqualified from holding a license.
 3. The State Licensing Authority will deny an application where the Applicant failed to provide all required information or documents, failed to obtain all required findings of suitability prior to submitting the application, provided inaccurate, incomplete, or untruthful information or documents, or failed to cooperate with the Division.
- D. Voluntary Withdrawal of Application

1. The Division and Applicant may mutually agree to allow the voluntary withdrawal of an application in lieu of a denial proceeding.
2. Applicants must first submit a form to the Division requesting the voluntary withdrawal of the application. Applicants will submit the form with the understanding that they were not obligated to request the voluntary withdrawal and that any right to a hearing in the matter is waived once the voluntary withdrawal is approved.
3. The Division will consider the request along with any circumstances at issue with the application in making a decision to accept the voluntary withdrawal. The Division may at its discretion grant the request with or without prejudice or deny the request.
4. The Division will notify the Applicant of its acceptance of the voluntary withdrawal and the terms thereof.
5. If the Applicant agrees to a voluntary withdrawal granted with prejudice, then the Applicant is not eligible to apply again for licensing or approval until after expiration of one year from the date of such voluntary withdrawal.

E. A Denied Applicant May Appeal a Denial. A Denied Applicant may appeal a denial pursuant to the Administrative Procedure Act.

Basis and Purpose – Rule 270-1

The statutory basis for this rule includes but is not limited to sections 44-11-202, 44-11-401(1.5), 44-12-202, and 44-12-401(1.5), C.R.S. The purpose of this rule is to establish procedures and requirements for any Person appointed by a court as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person acting in accordance with section 44-11-401(1.5), and 44-12-401(1.5), C.R.S., and authorized by court order to take possession of, operate, manage, or control a Regulated Marijuana Business.

Rule 270–1 – Temporary Appointee Registrations for Court Appointees

A. Notice and Application Requirements for All Court Appointees:

1. Notice to the State and Local Licensing Authorities. Within seven days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), C.R.S., such Court Appointee must file a notice to the State Licensing Authority and the applicable local licensing authority on a form required by the State Licensing Authority which must include at least:
 - a. A copy of the order appointing the Court Appointee;
 - b. A statement affirming the Court Appointee complied with the certification required by sections 44-11-401(1.5)(a), and/or 44-12-401(1.5)(a), C.R.S.;
 - c. If the Court Appointee is an entity, a list of all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business; and
 - d. A complete list of all Regulated Marijuana Businesses for which the Court Appointee was appointed and the respective dates during which the Court Appointee is currently serving, or has previously served, as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person.

2. Application for Finding of Suitability. Within 14 days of accepting an appointment as a Court Appointee pursuant to section 44-11-401(1.5), and/or 44-12-401(1.5), C.R.S., each Court Appointee must file an application for a finding of suitability with the State Licensing Authority on forms required by the State Licensing Authority. Each entity and natural person for whom a notice was filed pursuant to Rule 270-1(A) must file an application for a finding of suitability. The Division may in its discretion extend the 14 day deadline to file an application for a finding of suitability upon a showing of good cause. The Division may also in its discretion rely upon a recent licensing background investigation for Court Appointees that currently hold a license or Temporary Appointee Registration issued by the State Licensing Authority, and may waive all or part of the application fee accordingly.
3. Effective date. The Temporary Appointee Registration will issue following the State Licensing Authority's receipt of the notice required by Rule 270-1(A)(1), and is effective as of the date of the court appointment.

B. Temporary Appointee Registration.

1. Entities. If the Court Appointee is an entity, the entity and all natural persons responsible for taking possession of, operating, managing, or controlling the Regulated Marijuana Business must receive a Temporary Appointee Registration. Every Court Appointee that is an entity must have at least one natural person with a Temporary Appointee Registration.
2. Temporary Appointee Registrations. Every Temporary Appointee Registration issued to a Person will be treated as an Owner License except where inconsistent with sections 44-11-401(1.5), C.R.S., and/or 44-12-401(1.5), or this Rule.
3. Other employees. Any other person working under the direction of a Court Appointee who possesses, cultivates, manufactures, tests, dispenses, sells, serves, transports, researches, or delivers Regulated Marijuana as permitted by privileges granted under a Regulated Marijuana Business license must have a valid Employee License.
4. Licensed Premises. A Court Appointee cannot establish an independent Licensed Premises, but is authorized to exercise the privileges of the Temporary Appointee Registration in the Licensed Premises of the Regulated Marijuana Business for which it is appointed.
5. Medical Marijuana Business Operators or Retail Marijuana Business Operators. A Court Appointee may retain a Medical Marijuana Business Operator or a Retail Marijuana Business Operator. If the Medical Marijuana Business Operator or Retail Marijuana Business Operator is the Court Appointee, see subparagraph E of this Rule.
6. Medical Code, Retail Code and Rules Applicable. Court Appointees are subject to the requirements of the Medical Code, the Retail Code and the rules promulgated thereto. Except where inconsistent with sections 44-11-401(1.5), or 44-12-401(1.5), C.R.S., or this Rule, the State Licensing Authority may take any action with respect to a Temporary Appointee Registration that it could take with respect to any license issued under the Medical Code and/or the Retail Code. In any action involving a Temporary Appointee Registration, these rules will be read to include the terms "registered", "registration", "registrant", or any other similar terms in lieu of "licensed", "licensee", and any other similar terms as the context requires when applied to a Temporary Appointee Registration.

C. Administrative Actions.

1. Suspension, revocation, fine, or other administrative action regarding a Regulated Marijuana Business. In addition to any other basis for suspension, revocation, fine or other administrative action, a Regulated Marijuana Business's license may, pursuant to

subsections 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon its Court Appointee's violations of the Medical Code, the Retail Code, the rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect.

2. Suspension, revocation, fine, or other administrative action regarding a Temporary Appointee Registration. In addition to any other basis for suspension, revocation, fine, or other administrative action, a Temporary Appointee Registration may, pursuant to section 44-11-202(1)(a), 44-11-401(1.5)(b), 44-11-601(1), 44-12-202(2)(a), 44-12-401(1.5), and 44-12-601(1), C.R.S., be suspended, revoked, or subject to other administrative action based upon the Court Appointee's violations of the Medical Code, the Retail Code, the Rules promulgated pursuant to either the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration issued by the State Licensing Authority, or any order of the State Licensing Authority. Grounds for discipline include, but are not limited to, the Court Appointee's failure to timely notify the Division of the appointment or failure to timely apply for and obtain a finding of suitability. Such administrative action may occur even after the Temporary Appointee Registration is expired or surrendered, if the action is based upon an act or omission that occurred while the Temporary Appointee Registration was in effect. If a Person holding a Temporary Appointee Registration also holds any other Owner License or Employee License, the Owner License, the Employee License, and the Temporary Appointee Registration may be suspended, revoked or subject to other administrative action for any violations of the Medical Code, the Retail Code, the rules promulgated pursuant to the Medical Code or the Retail Code, the terms, conditions, or provisions of the Temporary Appointee Registration, Owner License and/or Employee License issued by the State Licensing Authority, or any order of the State Licensing Authority.
3. Suitability. If the State Licensing Authority denies an application for a finding of suitability because the Court Appointee failed to timely apply for a finding of suitability, failed to timely provide all information requested by the Division in connection with an application for a finding of suitability, or was found unsuitable, the State Licensing Authority may also pursue administrative action as set forth in this Rule.
4. Court Appointee's Responsibility to Notify Appointing Court. The Court Appointee must notify the appointing court of any action taken against the Temporary Appointee Registration by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601, or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Court Appointee must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

D. Expiration and Renewal.

1. Conclusion of Court Appointment. A Court Appointee's Temporary Appointee Registration expires upon the conclusion of a Court Appointee's court appointment. Each Court Appointee and each Regulated Marijuana Business that has a Court Appointee must notify the State Licensing Authority within two business days of the date on which a Court Appointee's court appointment ends, whether due to termination of the appointment by the court, substitution of another Court Appointee, closure of the court

case, or otherwise. For a Court Appointee that is appointed in connection with multiple court cases, the notice must be filed with the State Licensing Authority with respect to each such case.

2. Annual Renewal. If it has not yet expired pursuant to Rule 270-1(D)(1), each Temporary Appointee Registration is valid for one year, after which it must be subject to annual renewal in accordance with the Medical Code, the Retail Code, and the rules promulgated pursuant to the Medical Code and/or the Retail Code. If a Court Appointee is appointed in connection with multiple court cases, the Temporary Appointee Registration is subject to annual renewal unless all such appointments have ended, whether due to termination of the appointments by the courts, substitution of other Court Appointees, closure of the court cases, or otherwise.
3. Other Termination. A Temporary Appointee Registration may be valid for less than the applicable term if surrendered, revoked, suspended, or subject to similar action.

E. Medical Marijuana Business Operators and/or Retail Marijuana Business Operators as Court Appointees. By virtue of its privileges of licensure, a Medical Marijuana Business Operator, a Retail Marijuana Business Operator, and their respective Owner Licensees may serve as Court Appointees without a Temporary Appointee Registration subject to the following terms:

1. Notice to the State Licensing Authority of Appointment. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) are responsible for notifying the State Licensing Authority within seven days of any court appointment to serve as a receiver, personal representative, executor, administrator, guardian, conservator, trustee, or similarly situated Person and take possession of, operate, manage, or control a Regulated Marijuana Business. Such notice must be accompanied by a copy of the order making the appointment, and must identify each Regulated Marijuana Business regarding which the Medical Marijuana Business Operator and/or Retail Marijuana Business Operator is appointed.
2. Notice to the Appointing Court of State Licensing Authority Action. The Medical Marijuana Business Operator, the Retail Marijuana Business and its Owner Licensee(s) are responsible for notifying the appointing court of any action taken against the Medical Marijuana Business Operator license, the Retail Marijuana Business Operator license and/or the Owner License by the State Licensing Authority pursuant to sections 44-11-601, 44-12-601 or 24-4-104, C.R.S., within two business days. Such actions include, without limitation, the issuance of an Order to Show Cause, the issuance of an Administrative Hold, the issuance of an Order of Summary Suspension, the issuance of an Initial Decision by the Department's Hearings Division, or the issuance of a Final Agency Order by the State Licensing Authority. The Medical Marijuana Business Operator, the Retail Marijuana Business Operator and its Owner Licensee(s) must forward a copy of such notification to the Division at the same time the notification is made to the appointing court.

Basis and Purpose – Rule 275-1

The statutory basis for this rule includes but is not limited to sections 44-11-202(5)(a)(IV), 44-11-307.6(5), 44-11-307.5(11), 44-11-310(8)(a), 44-11-601, 44-12-202(6)(a)(IV), 44-11-306.6(5), 44-11-306.6(11), 44-12-309(7)(a), and 44-12-601 C.R.S. The purpose of this rule is to clarify the conditions and procedures for divestiture of any Person prohibited from holding a license under sections 44-11-306 and 44-12-305, C.R.S., or who is found unsuitable by the State Licensing Authority. This rule also requires that every Regulated Marijuana Business have at least one Controlling Beneficial Owner and provides what happens in the event of suspension of a Regulated Marijuana Business's Controlling Beneficial Owner(s). Finally, this rule provides that Licensees cannot have unlicensed persons take actions on their behalf or for their benefit that the Licensees themselves are prohibited from taking under these rules, the Medical Code or the Retail Code.

Rule 275-1 – Controlling Beneficial Owners that are Persons Prohibited, Unsuitable, Revoked or Suspended; At Least One Controlling Beneficial Owner Holding a Valid Owner License Required; and Prohibited Third-Party Acts

A. Controlling Beneficial Owners that are Persons Prohibited, Unsuitable or Revoked.

- 1. Less than 100% of all Controlling Beneficial Owners – Divestiture. If less than 100% of a Regulated Marijuana Business's Controlling Beneficial Owners are or become a Person prohibited by these Rules, the Medical Code or the Retail Code, have his or her Owner License revoked by a Final Agency Order, or are found unsuitable, the Regulated Marijuana Business must divest all of the Beneficial Ownership of that Controlling Beneficial Owner.**
 - a. Unless extended for good cause, within 90 days of a Controlling Beneficial Owner becoming a Person prohibited, having his or her Owner License revoked, or being found unsuitable, the Regulated Marijuana Business must either:**
 - i. Submit a change of owner application, where required, and any document(s) necessary to transfer all of that Controlling Beneficial Owner's Owner's Interests to one or more Persons that are not prohibited or unsuitable. Any required change of owner application is subject to approval by the Division; or**
 - ii. Where a change of owner application is not required, transfer all of that Controlling Beneficial Owner's(s) Owner's Interests to one or more Persons that are not a Person prohibited or unsuitable.**
 - b. In determining whether good cause for an extension exists, the Division will consider whether there is any Owner Interest buy-back provision with the Controlling Beneficial Owner. If mediation, arbitration or a legal proceeding has been initiated regarding the required divestiture, the 90 day deadline is extended until 90 days following execution of a settlement agreement, arbitration order or final judgment concluding the mediation, arbitration or legal proceeding.**
 - c. A Regulated Marijuana Business that is a Publicly Traded Corporation must have a divestiture plan with its Controlling Beneficial Owners which must be disclosed to the Division pursuant to Rule 220-1(A).**
 - d. A Regulated Marijuana Business that fails to divest a Controlling Beneficial Owner as required by this Rule may be subject to denial, fine, suspension or revocation of its license(s). The State Licensing Authority may consider aggravating and mitigating factors surrounding measures taken to divest the unsuitable or prohibited person when determining the imposition of a penalty. However, a Regulated Marijuana Business that is unable to divest a Controlling Beneficial Owner that is a person prohibited or found unsuitable is prohibited from being issued or holding a license.**
- 2. All Controlling Beneficial Owners are Unsuitable, Revoked or Persons Prohibited. A Regulated Marijuana Business's License may be revoked if 100% of its Controlling Beneficial Owners are found unsuitable, have his or her Owner's License revoked or are Persons prohibited by these Rules, the Medical Code or the Retail Code.**

B. Suspension of Controlling Beneficial Owners.

- 1. Suspension of Less than 100% of the Controlling Beneficial Owner(s) of a Regulated Marijuana Business. In the event of the suspension of the Owner License of a Controlling Beneficial Owner, either (i) the Regulated Marijuana Business must comply with all requirements of Rule M/R 1302 – Disciplinary Process: Summary Suspensions, or (ii) the**

non-suspended Owner Licensee(s) must control the Regulated Marijuana Business without participation from the suspended Controlling Beneficial Owner(s).

2. Suspension of 100% of the Controlling Beneficial Owners of a Regulated Marijuana Business. A Regulated Marijuana Business cannot operate or Transfer Regulated Marijuana if all Controlling Beneficial Owners are suspended.

C. At Least One Controlling Beneficial Owner Holding a Valid Owner License Required. No Regulated Marijuana Business may operate or be licensed unless it has at least one Controlling Beneficial Owner who holds a valid Owner License.

D. Loss Of Owner License As A Controlling Beneficial Owner Of Multiple Businesses. If an Owner License is suspended, revoked, or found unsuitable as to one Regulated Marijuana Business, that Owner License is automatically suspended, revoked, or found unsuitable as to any other Regulated Marijuana Business in which that Person is a Controlling Beneficial Owner.

E. Prohibited Third-Party Acts. No Licensee may employ, contract with, hire, or otherwise retain any Person, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit if the Licensee is prohibited by law or these rules from engaging in such conduct itself.

1. A Licensee may be held responsible for all actions and omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.

2. A Licensee may be subject to license denial or administrative action, including but not limited to fine, suspension, or revocation of its license(s), based on the act and/or omissions of any Person the Licensee employs, contracts with, hires, or otherwise retains, including but not limited to an employee, agent, or independent contractor, to perform any act or conduct on the Licensee's behalf or for the Licensee's benefit.

PHILIP J. WEISER
Attorney General
NATALIE HANLON LEH
Chief Deputy Attorney General
ERIC R. OLSON
Solicitor General
JUNE TAYLOR
Chief Operating Officer



STATE OF COLORADO
DEPARTMENT OF LAW

RALPH L. CARR
COLORADO JUDICIAL CENTER
1300 Broadway, 10th Floor
Denver, Colorado 80203
Phone (720) 508-6000

Office of the Attorney General

Tracking number: 2019-00375

Opinion of the Attorney General rendered in connection with the rules adopted by the

Marijuana Enforcement Division

on 08/01/2019

1 CCR 212-2

RETAIL MARIJUANA RULES

The above-referenced rules were submitted to this office on 08/01/2019 as required by section 24-4-103, C.R.S. This office has reviewed them and finds no apparent constitutional or legal deficiency in their form or substance.

August 09, 2019 07:54:39

Philip J. Weiser
Attorney General
by Eric R. Olson
Solicitor General

Terminated Rulemaking

Department

Department of Regulatory Agencies

Agency

Division of Professions and Occupations - Board of Architects, Engineers, and Land Surveyors

CCR number

4 CCR 730-1

Tracking number

2019-00182

Termination date

08/12/2019

Reason for termination

Procedural issues, which were remedied and the rules were re-filed in Tracking Number 2019-00257

Nonrulemaking Public Notices and other Miscellaneous Rulemaking Notices

Filed on 08/13/2019

Department

Department of Health Care Policy and Financing

Agency

Medical Services Board (Volume 8; Medical Assistance, Children's Health Plan)



COLORADO
Department of Health Care
Policy & Financing

1570 Grant Street
Denver, CO 80203

Public Notice

August 15, 2019 through September 13, 2019

Home and Community-Based Services (HCBS) Waiver Amendment Public Comment

The Department intends to submit amendments to the Centers for Medicare and Medicaid Services (CMS) for the following Home and Community-Based Services (HCBS) waivers:

- Persons with Brain Injury (BI)
- Children's Extensive Support (CES)
- Children's Home and Community-Based Services (CHCBS)
- Children's Habilitation Residential Program (CHRP)
- Children with Life Limiting Illness (CLLI)
- Community Mental Health Supports (CMHS)
- Developmental Disabilities (DD)
- Elderly, Blind, and Disabled (EBD)
- Persons with Spinal Cord Injury (SCI)
- Supported Living Services (SLS)

The proposed waiver amendments include the following changes:

- Add the Division of Housing (DOH) as oversight for Home Accessibility Adaptations (CES, SLS)
- Add the DOH as oversight for Individual Residential Services and Supports (IRSS) (DD)
- Add the Case Management Agency (CMA) Broker as a contracted entity (CES, CHRP, DD, SLS)
- Update the Interagency Agreement (IA) with the Colorado Department of Public Health & Environment (CDPHE)
- Increase the number of participants served (DD)
- Update eligibility language (CES)



- Update provider qualifications (DD, CES, CHRP, SLS)
- Add a new provider type (CHRP)
- Correct a citation (BI)
- Revise Residential Habilitation Services and Supports (RHSS) service definition (DD)
- Clarifying roles in the investigation of Critical Incident Reports (CIRs) (CES, CHRP, DD, SLS)
- Update to include the standard for substantiating incidents of Mistreatment, Abuse, Neglect, and Exploitation (MANE)
- Update Post Payment Review (PPR) language (BI, CHCBS, CLLI, CMHS, EBD, SCI)
- Alignment of rate methodology language (CES, CHRP, DD, SLS)
- Update the unit for BI Independent Living Skills Training (ILST) and SLS Life Skills Training (LST) (BI, SLS)
- Add language toward Electronic Visit Verification (EVV) implementation (All Waivers)
- Update Cost Neutrality Projections according to Targeted Rate Increases (TRI), Across the Board (ATB) Rate Increases, and for SB19-238 (All Waivers)

The Department will post the amendments for public notice from August 15, 2019 through September 13, 2019. The Department will propose an effective date of January 1, 2020 for these amendments.

For a more detailed summary of all changes, please go to the Department's website at <https://www.colorado.gov/pacific/hcpf/hcbs-waiver-transition> to view the full draft waivers and the amendment fact sheet. You may also obtain a paper or electronic copy by calling 303-866-3684 or by writing the Department at 1570 Grant St, Denver, CO 80203.

To provide public comment or request a paper or electronic copy of any materials, please contact LTSS.PubicComment@state.co.us; submitted by phone at 303-866-3684; submitted by fax at 303-866-2786 ATTN: HCBS Waiver Amendments; or in-person at 1570 Grant Street, Denver, CO 80203.

Public Comments will be accepted August 15 through September 13, 2019.

General Information

A link to this notice is posted on the [Department's website](#). Written comments may be addressed to: Department of Health Care Policy & Financing, ATTN: HCBS Waiver Amendments, 1570 Grant Street, Denver, CO 80203.



Nonrulemaking Public Notices and other Miscellaneous Rulemaking Notices

Filed on 08/13/2019

Department

Department of Health Care Policy and Financing

Agency

Medical Services Board (Volume 8; Medical Assistance, Children's Health Plan)



COLORADO

Department of Health Care
Policy & Financing

Notice of Public Comment Process

Medicaid Section 1115 Demonstration Waiver Application for Inpatient/Residential Substance Use Disorder Treatment Benefit

Public Comment Period Begins: August 25, 2019 at 8:00 a.m. MDT
Public Comment Period Ends: September 27, 2019 at 5:00 p.m. MDT

Public notice is hereby given that the State of Colorado's Department of Health Care Policy & Financing is seeking public comments on a Medicaid Section 1115 Behavioral Health Demonstration Waiver ("Waiver") application to support the reform of Colorado's Medicaid-supported behavioral health system.

Proposed Waiver Summary

The Colorado Department of Health Care Policy & Financing ("Department") is submitting a Medicaid Section 1115 Demonstration Waiver ("waiver") proposal to improve access to inpatient and residential Substance Use Disorder (SUD) treatment for Colorado's Medicaid ("Health First Colorado") members. The Department will be submitting the waiver application to the Centers for Medicare & Medicaid Services (CMS) in the fall of 2019. The waiver, if approved, will authorize the Department to add inpatient and residential SUD treatment, including withdrawal management, to the continuum of outpatient SUD services currently provided as a benefit to Health First Colorado members.

Waiver Objectives and Goals

The goal of this demonstration is to complete the Colorado SUD continuum of care in order to improve health outcomes, promote long-term recovery and reduce overdose deaths. To achieve this goal, the state proposes the following objectives:

- Increase access to necessary levels of care by adding Medicaid coverage for inpatient and residential SUD treatment, including withdrawal management (WM) services;
- Ensure that members receive a comprehensive assessment and are placed in an appropriate level of care;
- Further align the state's SUD treatment system with a nationally-recognized SUD-specific standard;
- Increase provider capacity where needed; and
- Improve the availability of Medication-Assisted Treatment (MAT) to promote long-term recovery.

Eligibility

There will be no changes to the Medicaid eligibility criteria included as part of this waiver. The demonstration will be open to all Medicaid members with an eligible SUD diagnosis. The demonstration will have no enrollment limits.

Demonstration Hypotheses and Measures

The state is committed to ensuring that there is a robust monitoring and evaluation process in place for this demonstration. It is anticipated that this waiver demonstration will:

- Improve health outcomes for members utilizing SUD services;
- Promote long-term recovery; and
- Reduce overdose deaths among individuals with SUDs.

Over time, the state expects that this continuum and adherence to ASAM criteria will lead to better health outcomes for Health First Colorado members.

Estimated Impact of the Demonstration

The tables below estimate the projected annual enrollment of beneficiaries (without and with the waiver, for both legacy and expansion) for each Demonstration Year (DY) of the waiver demonstration.

Estimated Projections of Annual Enrollment

Legacy	DY1	DY2	DY3	DY4	DY5	5 Year Total
Annual Enrollment without waiver	4,330	4,417	4,505	4,595	4,687	22,535
Annual Enrollment with waiver	4,330	4,417	4,505	4,595	4,687	22,535

Expansion	DY1	DY2	DY3	DY4	DY5	5 Year Total
Annual Enrollment without waiver	9,607	9,799	9,995	10,195	10,399	49,995
Annual Enrollment with waiver	9,607	9,799	9,995	10,195	10,399	49,995

The tables below estimate the projected annual expenditures for (without and with the waiver, for both legacy and expansion) for each DY of the waiver demonstration.

Estimated Projections of Annual Expenditures

Legacy	DY1	DY2	DY3	DY4	DY5	5 Year Total
Total without waiver	\$4,647,472	\$4,983,832	\$5,344,536	\$5,731,323	\$6,146,114	\$26,853,278
Total with waiver	\$4,647,472	\$4,983,832	\$5,344,536	\$5,731,323	\$6,146,114	\$26,853,278

Expansion	DY1	DY2	DY3	DY4	DY5	5 Year Total
Total without waiver	\$4,773,149	\$5,118,000	\$5,487,730	\$5,884,169	\$6,309,245	\$27,572,294
Total with waiver	\$4,773,149	\$5,118,000	\$5,487,730	\$5,884,169	\$6,309,245	\$27,572,294

Opportunity for Public Comment

The proposed Section 1115 waiver application is available for public review and comment at:

<https://www.colorado.gov/pacific/sites/default/files/SUD1115WaiverApplication.pdf>

To request a copy of the waiver, please contact the Department by:

- Sending an email request to hcpf_sudbenefits@state.co.us
- Send a request by fax to 303-866-2573, Attn: 1115 SUD Waiver Application, or
- Obtaining in person at the Colorado Department of Health Care Policy and Financing, 1570 Grant Street, Denver, CO 80203.



During the public comment period, comments may be sent to hcpf_sudbenefits@state.co.us. Public comments may also be submitted by post to:

Director, Health Programs Office
Colorado Department of Health Care Policy and Financing
1570 Grant Street
Denver, Colorado 80203
ATTN: Public Comment – 1115 SUD Waiver Application

Additional information will be posted on the Department's *Ensuring a Full Continuum of SUD Benefits* webpage, at <https://www.colorado.gov/pacific/hcpf/ensuring-full-continuum-sud-benefits>.

Public Hearings

The Department invites the public to attend public hearings in person or join by teleconference/webinar to learn more about Colorado's waiver application and provide comments.

	Public Hearing #1	Public Hearing #2
Date	Friday, August 30, 2019	Friday, September 6, 2019
Time	10:00 a.m. – noon	10:00 a.m. – noon
Venue	Colorado Department of Health Care Policy and Financing 7th Floor, Rooms 7A/B/C 303 East 17 th Avenue Denver, Colorado 80203	DoubleTree Hotel Grand Junction Aspen Room 743 Horizon Drive Grand Junction, Colorado 81506
Teleconference	Conference Line: 1-877-820-7831 Participant Code: 946029#	Not available
Webinar	https://cohcpf.adobeconnect.com/sud1115waiver/	Not available

Reasonable accommodations will be provided upon request for persons with disabilities. Please notify the Department 504/ADA Coordinator at hcpf504ada@state.co.us or Shingo Ishida at shingo.ishida@state.co.us at least one week before the public notice period to make arrangements.

CMS/Medicaid Demonstration Website

Relevant webpages and additional information regarding the Medicaid demonstration can be viewed on the CMS/Medicaid website, at: <https://www.medicaid.gov/medicaid/section-1115-demo/index.html>

Full Notice of Public Comment Process

The full notice of the public comment process is available on the Department's *Ensuring a Full Continuum of SUD Benefits* webpage, at <https://www.colorado.gov/pacific/hcpf/ensuring-full-continuum-sud-benefits>.

This notice is submitted pursuant to Title 42 Code of Federal Regulations, Part 431.408, Subpart G, which outlines public notice processes and transparency requirements for Section 1115 Demonstrations.



Nonrulemaking Public Notices and other Miscellaneous Rulemaking Notices

Filed on 08/22/2019

Department

Department of Labor and Employment

Agency

Division of Unemployment Insurance

Colorado Department of Labor and Employment Seeks Public Comments on the Administration of a Paid Family and Medical Leave Program in Colorado

As directed by [Senate Bill 19-188](#), the Colorado Department of Labor and Employment is assisting the newly created Family and Medical Leave Task Force (the Task Force) in studying the possible implementation of a paid family and medical leave program in the state. The Task Force is studying a program or policy that allows workers to take a specified amount of time off work for the birth or adoption of a new baby, to treat their own serious mental or physical medical illness, to care for a loved one with a serious mental or physical illness, to address certain needs arising from a family member's active duty service, or because the worker is unable to work because the worker or a family member is the victim of abuse such as domestic violence, stalking, or sexual assault; to receive some compensation while on leave; and return to their job after leave.

In studying the parameters of a paid family and medical leave program in the state, the Task Force shall consider the following factors:

- Affordability for the lowest wage workers;
- Equitability across workers of all incomes and classifications;
- Accessibility to workers least likely to have access to paid leave today;
- Adequacy of the program;
- The minimum duration of leave that meets evidence-based standards and wage replacement that is sufficient to allow the lowest wage workers to participate;
- The purposes of the leave, including serious illness, caring for a loved one with a serious illness, bonding with a new child, and needs arising from military deployment and the effects of domestic violence, stalking, and sexual assault;
- Self-employed workers' access to paid family and medical leave and a mechanism to allow self-employed workers to participate;
- Eligibility requirements for workers to collect paid family and medical leave insurance;
- The definition of family or family member for whom an individual may take leave for purposes of providing care;
- Job protection and other employment protections, including their effect on an individual's ability to take leave;
- Duration of leave;
- Amount of the wage replacement;
- Maximum weekly wage replacement amount;
- Program funding structure;
- The estimated degree to which an option for employers to provide their own paid family and medical leave benefits that meet the minimum statutory requirements of the state plan, may influence overall employer participation in the statewide plan;
- Program implementation;
- The role of third-party vendors on program sustainability;
- The solvency of a paid family and medical leave fund under various models;
- The portability of paid family and medical leave benefits;
- The sustainability of a paid family and medical leave program;

- How a paid family and medical leave program would interact with other benefits;
- The likelihood and estimated degree to which paid family and medical leave benefits may broadly impact other existing leave benefits provided by employers (ex. vacation leave, sick leave, paid time off, etc.); and,
- A timeline that presumes a paid family and medical leave program that is established by July 1, 2020; begins education and outreach on January 1, 2022; establishes the funding stream on January 1, 2023; and starts paying benefits on January 1, 2024.

The completed study will include a thorough analysis of paid family and medical leave programs by experts in the field, actuarial and third-party studies on the feasibility of such a program for the state of Colorado, and comments collected from the public about the administration of the program in the state.

All information collected through those efforts will shape an initial recommendation by the task force on a family and medical leave program for employees in the state.

Optional Demographic Background Information:

- a. Are you an employer or an employee?
- b. What is your city of residence?

Public Comment request:

1. What feedback/comments would you like to provide to the Task Force for consideration when making its initial recommendation regarding the establishment, implementation, and administration of a paid family and medical leave program in the state of Colorado?

Submit your comments to the FAML Task Force at famlitaskforce.com. You may also send in your comments by email to Admira Makas at admira.makas@state.co.us or mail to 251 E. 12th Avenue, Denver, CO 80203, Attn: Admira Makas. The deadline to submit written comments is Wednesday, September 25, 2019. All written comments will be made publicly available at famlitaskforce.com.

Nonrulemaking Public Notices and other Miscellaneous Rulemaking Notices

Filed on 08/22/2019

Department

Department of Health Care Policy and Financing

Agency

Medical Services Board (Volume 8; Medical Assistance, Children's Health Plan)



COLORADO

Department of Health Care
Policy & Financing

PUBLIC NOTICE

August 25, 2019

Public Notice: Medicaid State Plan Amendment – Rate Increases for Hospice Services

The Department intends to submit a State Plan Amendment, effective October 1, 2019, to increase Hospice provider rates in accordance with Centers for Medicare and Medicaid (CMS) guidelines. Hospice services are reimbursed in accordance with federal CMS guidelines based on the hospice wage index and are regionally adjusted for Routine Care and Continuous Home Care.

Additionally, effective October 1, 2019, Colorado Medicaid implemented the CMS 2.7% increase in the Annual Payment Update for all hospices that have not submitted the required quality data for the current reporting period.

An updated fee schedule reflecting these rate changes will be posted on the Department's Website upon approval.

The annual aggregate increase in hospice expenditures (including state funds and federal funds) is \$2,920,483 in FFY 2019-20 and \$3,001,291 in FFY 2020-21.

General Information

A link to this notice will be posted on the [Department's website](#) starting on August 25, 2019. Written comments may be addressed to:

Director, Health Programs Office
Colorado Department of Health Care Policy and Financing
1570 Grant Street
Denver, CO 80203

County Contact Information

Copies of the proposed changes are available for public review at the following county locations:

County Name	Official Name	Physical Address	Mailing Address
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Our mission is to improve health care access and outcomes for the people we serve while demonstrating sound stewardship of financial resources.
www.colorado.gov/hcpf



Adams	Adams County Human Services Department	11860 Pecos Street Westminster, CO 80234	Same as physical
Alamosa	Alamosa County Department of Human Services	8900 C Independence Way, Alamosa, CO 81101	PO Box 1310, Alamosa, CO 81101
Arapahoe	Arapahoe County Human Services	14980 E. Alameda Dr., Aurora, CO 80012	14980 E. Alameda Dr., Aurora, CO 80012
Arapahoe	Satellite Office	1690 W. Littleton Blvd., Littleton, CO 80120	
Archuleta	Archuleta County Human Services	551 Hot Springs Blvd., Pagosa Springs, CO 81147	PO Box 240, Pagosa Springs, CO 81147
Baca	Baca County Department of Social Services	772 Colorado St. Ste #1, Springfield, CO 81073	Same as physical
Bent	Bent County Social Services	138 6th Street, Las Animas, CO 81054	Same as physical
Boulder	Boulder County Department of Housing & Human Services	3400 Broadway, Boulder, CO 80304	PO Box 471, Boulder, CO 80306
Broomfield	Broomfield Health and Human Services	100 Spader Way, Broomfield, CO 80020	Same as physical
Chaffee	Chaffee County Department of Human Services	448 E. 1st St, Ste 166, Salida, CO 81201	PO Box 1007, Salida, CO 81201
Cheyenne	Cheyenne County Department of Human Services	560 W. 6 N, Cheyenne Wells, CO 80810	PO Box 146, Cheyenne Wells, CO 80810
Conejos	Conejos County Department of Social Services	12989 Cty. Rd. G.6, Conejos, CO 81129	PO Box 68, Conejos, CO 81129
Costilla	Costilla County Department of Social Services	233 Main St, San Luis, CO 81152	Same as physical
Crowley	Crowley County Department of Human Services	631 Main Street Ste 100, Ordway, CO 81063	Same as physical
Custer	Custer County Department of Human Services	205 S. 6th St., Westcliffe, CO 81252	PO Box 929 Westcliffe, CO 81252
Delta	Delta County Department of Human Services	560 Dodge St, Delta, CO 81416	Same as physical
Denver	Denver Department of Human Services	1200 Federal Blvd, Denver, CO 80204	Same as physical
Dolores	Dolores County Department of Social Services	409 Main Street, Dove Creek, CO 81324	PO Box 485 Dove Creek, CO 81324



Douglas	Douglas County Department of Human Services	4400 Castleton Court, Castle Rock, CO 80109	Same as physical
Eagle	Eagle County Department of Human Services	551 Broadway, Eagle, CO 81631	PO Box 660, Eagle, CO 81631
El Paso	El Paso County Department of Human Services	1675 W. Garden of the Gods Road, Colorado Springs, CO 80907	Same as physical
Elbert	Elbert County Health and Human Services	75 Ute. Ave, Kiowa, CO 80117	PO Box 924, Kiowa, CO 80117
Fremont	Fremont County Department of Human Services	172 Justice Center Road, Canon City, CO 81212	Same as physical
Garfield	Garfield County Department of Human Services	195 W. 14th St., Rifle, CO 81650	Same as physical
Gilpin	Gilpin County Department of Human Services	2960 Dory Hill Rd. Ste 100, Black Hawk, CO 80422	Same as physical
Grand	Grand County Department of Social Services	620 Hemlock St., Hot Sulphur Springs, CO 80451	PO Box 204, Hot Sulphur Springs, CO 80451
Huerfano	Huerfano County Department of Social Services	121 W. 6th St., Walsenburg, CO 81089	Same as physical
Jackson	Grand County Department of Social Services	620 Hemlock St., Hot Sulphur Springs, CO 80451	PO Box 204, Hot Sulphur Springs, CO 80451
Jefferson	Jefferson County Human Services	900 Jefferson County Parkway, Golden, CO 80401	Same as physical
Kiowa	Kiowa County Department of Social Services	1307 Maine St., Eads, CO 81036	PO Box 187, Eads, CO 81036-0187
Kit Carson	Kit Carson County Department of Human Services	252 S. 14th St., Burlington, CO 80807	PO Box 70, Burlington, CO 80807
La Plata	La Plata County Department of Human Services	10 Burnett Court 1st Floor, Durango, CO 81301	Same as physical
Lake	Lake County Department of Human Services	112 W. 5th St. Leadville, CO 80461	PO Box 884 Leadville, CO 80461
Larimer	Larimer County	1501 Blue Spruce Drive	Same as physical
Las Animas	Las Animas County Department of Human Services	204 S. Chestnut St., Trinidad, CO 81082	Same as physical



Lincoln	Lincoln County Department of Human Services	103 3rd Ave, Hugo, CO 80821	PO Box 37, Hugo, CO 80821
Logan	Logan County Department of Human Services	508 S. 10th Ave, STE B, Sterling, CO 80751	Same as physical
Mesa	Mesa County Department of Human Services	510 29 1/2 Rd, Grand Junction, CO 81504	PO Box 20000, Grand Junction, CO 81502
Mineral	Rio Grande/Mineral County Department of Social Services	1015 6th St, Del Norte, CO 81132	Same as physical
Moffat	Moffat County Department of Social Services	595 Breeze St., Craig, CO 81625	Same as physical
Montezuma	Montezuma County Department of Social Services	109 W. Main St. Room 2013, Cortez, CO 81321	Same as physical
Montrose	Montrose County Health & Human Services	1845 S. Townsend Ave., Montrose, CO 81401	PO Box 216, Montrose, CO 81402-216
Morgan	Morgan County Department of Human Services	800 E. Beaver Ave., Fort Morgan, CO 80701	PO Box 220, Fort Morgan, CO 80701
Otero	Otero County Department of Human Services	215 Raton Ave, La Junta, CO 81050	PO Box 494, La Junta, CO 81050
Ouray	Ouray DSS	177 Sherman St., Unit 104, Ridgway, CO 81432	PO Box 530 Ridgway, CO 81432
Phillips	Phillips County Department of Social Services	127 E Denver St., Holyoke, CO, 80734	Same as physical
Pitkin	Pitkin County Department of Health and Human Services	0405 Castle Creek Rd., Suite 104, Aspen, CO 81611	Same as physical
Pueblo	Pueblo County Department of Social Services	201 W. 8th St, Pueblo, CO 81003	320 W. 10th St, Pueblo, CO 81003
Rio Blanco	Rio Blanco County Department of Health and Human Services	345 Market St., Meeker, CO 81641	Same as physical
Routt	Routt County Department of Human Services	135 6th St., Steamboat Springs, CO 80477	PO Box 772790, Steamboat Springs, CO 80477
Saguache	Saguache County Department of Social Services	605 Christy Ave, Saguache, CO 81149	PO Box 215, Saguache, CO 81149
San Miguel	San Miguel DSS	333 W. Colorado Ave, Telluride, CO 81435 (San Miguel);	PO Box 96 Telluride, CO 81435



Sedgwick	Sedgwick County Human Services	118 W. 3rd St., Julesburg, CO 80737	PO Box 27, Julesburg, CO 80737
Washington	Washington County DHS	126 W. 5th St., Akron, CO 80720	PO Box 395, Akron, CO 80720
Yuma	Yuma County Department of Human Services	340 S. Birch, Wray, CO 80758	Same as physical



Calendar of Hearings

Hearing Date/Time	Agency	Location
09/19/2019 09:00 AM	Division of Professions and Occupations - Board of Chiropractic Examiners	1560 Broadway, Room 110D, Denver, CO 80202
10/03/2019 08:45 AM	Division of Professions and Occupations - State Board of Pharmacy	1560 Broadway, Room 110D, Denver, CO 80202
09/23/2019 02:00 PM	Administrator-Uniform Consumer Credit Code and Commission on Consumer Credit	Ralph L. Carr Colorado Judicial Center, 1300 Broadway, Denver, Colorado 80203, Room 1A
12/09/2019 12:00 PM	Water Quality Control Commission (1002 Series)	Sabin-Cleere Conference Room, 4300 Cherry Creek S. Drive, Denver, CO 80246
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