

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, 2018, and new site specific standards that allow for the deletion of current temporary modifications expiring on or before December 31, 2018, for multiple segments in the Classifications and Numeric Standards for:

- Arakansas 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 (5 CCR 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, Colorado Parks and Wildlife (CPW);
- Exhibit 9 Regulation #33, CPW;
- Exhibit 10 Regulation #34, CPW;
- Exhibit 11 Regulation #35, CPW;
- Exhibit 12 Regulation #37, CPW;
- Exhibit 13 Regulation #38, CPW;
- Exhibit 14 Regulation #32, Resurrection Mining Company (Resurrection);
- Exhibit 15 Regulation #32, Public Service Company of Colorado (Public Service);
- Exhibit 16 Regulation #32, City of Pueblo (Pueblo);
- Exhibit 17 Regulation #33, Seneca Coal Company and Peabody Sage Creek Mining Company(Seneca-Peabody); and
- Exhibit 18 Regulation #37, Tri-State Generation and Transmission Association, Inc. (Tri-State).

In these attachments, proposed new language is shown with <u>double-underlining</u> and proposed deletions are shown with <u>strikeouts</u>. Any alternative proposals related to proposed new temporary modifications or current temporary modifications identified in Exhibits 1 through 18, with expiration dates on or before December 31, 2018, will also be considered.

SCHEDULE OF IMPORTANT DATES

Party status requests due	09/27/2016 5 pm	Additional information below.
Proponent's prehearing statement due	10/04/2016 5 pm	Additional information below.
Responsive prehearing statements due	10/25/2016 5 pm	Additional information below.
Rebuttal statements due	11/15/2016 5 pm	Additional information below.
Last date for submittal of motions	11/23/2016 5 pm	Additional information below.
Notify commission office if participating in prehearing conference by phone	11/28/2016 by noon	Send email to cdphe.wqcc@state.co.us with participant(s) name(s)
Prehearing Conference (mandatory for parties)	11/29/2016 2:00 pm	Florence Sabin Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246
Rulemaking Hearing	12/12/2016 1:00 pm	Florence Sabin 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. Sumbittals may be emailed to cdphe.wqcc@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 can call 1-857-216-6700 and enter the conference code 425132.

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 30, 2016.

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	f Basis,	Specific	Statutory	Authority,
and Purpose.						
Dated this 9th day of Aug	oust, 2016 at De	nver. Colorad	lo.			

WATER QUALITY CONTROL COMMISSION

Trisha Oeth, Administrator

EXHIBIT 1 WATER QUALITY CONTROL DIVISION

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

. . . .

32.58 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

No action: The Commission took no action on the temporary modifications on the following segments.

Upper Arkansas segment 8b: temporary modifications of the cadmium, zinc and temperature standards. Resurrection mining presented evidence that they are making progress on the plan for eliminating the need for the temporary modifications. The Commission made no change to the expiration date of 12/31/2017 as the original time allotment was deemed adequate to resolve the uncertainty

Middle Arkansas segment 6ba: temporary modification of the temperature standards. Public Service Company presented evident that they are making progress on the plan for eliminating the need for need for the temporary modifications. The Commission made no change to the expiration date of 12/31/2017 as the original time allotment was deemed adequate to resolve the uncertainty

Lower Arkansas segment: 1a: temporary modifications of the selenium and sulfate standard. The City of Pueblo is making progress on its plans to seek a discharger-specific variance (DSV). The two major tasks for the Division and Pueblo are to develop the Alternative Effluent Limit and

to fully articulate the compliance schedule. The Commission made no change to the expiration date of 12/31/2018 as this time allotment was deemed adequate to resolve the uncertainty

Deletion: The Commission deleted the temporary modifications on the following segments.

Middle Arkansas segment 4a: temporary modification for all aquatic life constituents: The Commission deleted these temporary modifications because they were no longer needed.

Extension

Lower Arkansas segment 1b: temporary modification of the selenium standard. The Commission extended this temporary modificationm even though tt had already expired, since there are other affected dischargers on this segment besides LaJunta.

New Temporary Modifications of the Arsenic Standard:

Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on segments on the following list, with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from a December 13, 2011 rulemaking hearing that an initial reasonable lower limit of treatment technology for arsenic is $3.0~\mu g/L$, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the underlying uncertainty is resolved, if there is a temporary modification on the segment that is the receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

Upper Arkansas segment 2a
Upper Arkansas segment 2c
Upper Arkansas segment 7
Upper Arkansas segment 14b
Upper Arkansas segment 18
Upper Arkansas segment 37
Middle Arkansas segment 7a
Middle Arkansas segment 7b
Middle Arkansas segment 18a
Middle Arkansas segment 18a
Middle Arkansas segment 1b
Fountain Creek segment 1b
Fountain Creek segment 8
Lower Arkansas segment 9a
Lower Arkansas segment 11
Lower Arkansas segment 19

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 06/30/2016-17

OARUA02A	Classifications	Physical and	Biological			Metals (ug/L)	
esignation	Agriculture		DM	MWAT		acute	chronic
eviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
ualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:		pH	6.5 - 9.0		Chromium III	50(T)	TVS
emporary M	odification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
rsenic(chroni	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Dat	e of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			
	of the Arkansas River from a point immed	diately above the confluence with	the Lake Fork to a		diately above the confluer		
OARUA02C	Classifications		the Lake Fork to a	point immed	diately above the confluer	Metals (ug/L)	chronic
OARUA02C esignation	Classifications Agriculture	diately above the confluence with Physical and	the Lake Fork to a Biological DM	point immed			chronic
OARUA02C esignation	Classifications	diately above the confluence with	the Lake Fork to a Biological DM CS-I	point immed	Aluminum	Metals (ug/L) acute	
OARUA02C esignation	Classifications Agriculture Aq Life Cold 1	diately above the confluence with Physical and Temperature °C	the Lake Fork to a Biological DM	point immed MWAT CS-I chronic	Aluminum Arsenic	Metals (ug/L) acute	0.02(T)
OARUA02C	Classifications Agriculture Aq Life Cold 1 Recreation E	diately above the confluence with Physical and Temperature °C D.O. (mg/L)	the Lake Fork to a Biological DM CS-I acute	MWAT CS-I chronic 6.0	Aluminum Arsenic Beryllium	Metals (ug/L) acute 340	0.02(T)
OARUA02C esignation eviewable* eualifiers:	Classifications Agriculture Aq Life Cold 1 Recreation E	D.O. (spawning)	the Lake Fork to a Biological DM CS-I acute	point immed MWAT CS-I chronic	Aluminum Arsenic Beryllium Cadmium	Metals (ug/L) acute 340	0.02(T)
OARUA02C esignation eviewable* ualifiers:	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning) pH	the Lake Fork to a Biological DM CS-I acute	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Cadmium	Metals (ug/L) acute 340 SSE*	0.02(T) SSE*
OARUA02C esignation eviewable* ualifiers: ther: emporary M	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2)	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0	mwat CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III	Metals (ug/L) acute 340 SSE* 50(T)	0.02(T) SSE* TVS
oarua02C esignation eviewable* ualifiers: ther: emporary M rsenic(chroni	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning) pH	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI	Metals (ug/L) acute 340 SSE* 50(T) TVS	0.02(T) SSE* TVS
OARUA02C esignation eviewable* ualifiers: ther: emporary M rsenic(chroni	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0	mwat CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 SSE* 50(T) TVS TVS	0.02(T) SSE* TVS TVS TVS
oaruao2c esignation eviewable* ualifiers: ther: emporary M rsenic(chronixpiration Dat	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid e of 12/31/2021 9/30/00 Base-line does not apply	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0 ic (mg/L)	mwat CS-I chronic 6.0 7.0 126	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 SSE* 50(T) TVS TVS	0.02(T) SSE* TVS TVS TVS WS
oaruao2c esignation eviewable* ualifiers: ther: emporary M rsenic(chroni xpiration Dat Designation: Cadmium(acu	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid e of 12/31/2021	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute	point immed MWAT CS-I chronic 6.0 7.0 126 chronic	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 SSE* 50(T) TVS TVS	0.02(T) SSE* TVS TVS TVS WS
oaruao2c esignation eviewable* ualifiers: ther: emporary M rsenic(chronion xpiration Dat Designation: Cadmium(act n(hardness)* 6236)	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid e of 12/31/2021 9/30/00 Base-line does not apply ute) = 1.136672- 0.041838)*e^(0.9151*ln(hardness)-	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0 ic (mg/L)	mwat CS-I chronic 6.0 7.0 126	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	Metals (ug/L) acute 340 SSE* 50(T) TVS TVS	0.02(T) SSE* TVS TVS TVS WS 1000(T) TVS
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oaruao2c esignation eviewable* ualifiers: ther: emporary M rsenic(chroni xpiration Dat Designation: Cadmium(aci (hardness)* 6236) Cadmium(chri (hardness)* 1725) Zinc(acute) = Zinc(chronic)	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid e of 12/31/2021 9/30/00 Base-line does not apply ute) = 1.136672- 0.041838)*e^(0.9151*ln(hardness)- ronic) = (1.101672- 0.041838])*e^(0.7998[In hardness]- 0.978*e^(0.8537[In(hardness)]+2.2178)	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide	a the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005	point immed MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	Metals (ug/L) acute 340 SSE* 50(T) TVS	0.02(T) SSE* TVS TVS TVS SUS 1000(T) TVS TVS VS 0.01(t) 160(T)
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oaruao2c esignation eviewable* ualifiers: ther: emporary M rsenic(chroni xpiration Dat Designation: Cadmium(aci n(hardness)* 6236) Cadmium(chr n(hardness)* 1725) Zinc(acute) = Zinc(chronic)	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid e of 12/31/2021 9/30/00 Base-line does not apply ute) = 1.136672- 0.041838)*e^(0.9151*ln(hardness)- ronic) = (1.101672- 0.041838])*e^(0.7998[In hardness]- 0.978*e^(0.8537[In(hardness)]+2.2178) =	diately above the confluence with Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	the Lake Fork to a Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	mwat CS-I chronic 6.0 7.0 126 Chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	Metals (ug/L) acute 340 SSE* 50(T) TVS	0.02(T) SSE* TVS TVS TVS S1000(T) TVS WS 0.01(t) 160(T) TVS TVS

tr = trout

8b. Mainstem	of Iowa Gulch from a point	immediately	below the ASARCO water supp	ly intake to a point ir	nmediately b	pelow the headgate of the	Paddock #1 Ditch (low	a 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:			D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Temporary M	odification(s):		pН	6.5 - 9.0		Chromium III	TVS	TVS
Cadmium(chro	* *		chlorophyll a (mg/m²)		150	Chromium III		100(T)
,	DM) = No acute standard	11/1 - 3/31	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
temperature(N	/WAT) = 14	11/1 - 3/31				Copper	TVS	TVS
Zinc(chronic) :	= 505		Inorgan	ic (mg/L)		Iron		1000(T)
Zinc(acute) =	754			acute	chronic	Lead	TVS	TVS
Expiration Dat	e of 12/31/2017		Ammonia	TVS	TVS	Manganese	TVS	TVS
			Boron		0.75	Mercury		0.01(t)
			Chloride			Molybdenum		160(T)
			Chlorine	0.019	0.011	Nickel	TVS	TVS
			Cyanide			Selenium	TVS	TVS
			Nitrate	100		Silver	TVS	TVS(tr)
			Nitrite		0.05	Uranium		
			Phosphorus		0.11	Zinc	TVS	TVS
			Sulfate					
			Sulfide		0.002			

	f Evans Gulch from the source t	o the commence with the 7 thancas 111vol.			1		
COARUA07	Classifications	Physical and E	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(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Temporary M	odification(s):	рН	6.5 - 9.0		Chromium III	50(T)	TVS
Arsenic(chroni	ic) = hybrid	chlorophyll a		150	Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2021	E. Coli (per 100 mL)		126	Copper	TVS	TVS
					Iron		WS
		Inorganio	(mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
					Uranium		1 V O(ti)
		Phosphorus		0.11	Zinc	TVS	TVS
		Sulfate Sulfide		WS 0.002	ZITIC	173	173
except for the	specific listing in segment 12b.	iding wetlands, which are not on National Forest la		onfluence w	ith Brown's Creek to		County line,
except for the COARUA14B	specific listing in segment 12b. Classifications	rding wetlands, which are not on National Forest la	Biological		ith Brown's Creek to	Metals (ug/L)	
except for the COARUA14B Designation	specific listing in segment 12b. Classifications Agriculture	Physical and E	Biological DM	MWAT		Metals (ug/L)	chronic
except for the COARUA14B	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2	-	Biological DM CS-II	MWAT CS-II	Aluminum	Metals (ug/L) acute	chronic
except for the COARUA14B Designation	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E	Physical and E	Biological DM CS-II acute	MWAT CS-II chronic	Aluminum Arsenic	Metals (ug/L) acute 340	chronic 0.02(T)
except for the COARUA14B Designation Reviewable	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2	Temperature °C D.O. (mg/L)	DM CS-II acute	MWAT CS-II chronic 6.0	Aluminum Arsenic Beryllium	Metals (ug/L) acute 340	chronic 0.02(T)
except for the COARUA14B Designation Reviewable Qualifiers:	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E	Temperature °C D.O. (mg/L) D.O. (spawning)	DM CS-II acute	MWAT CS-II chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium	Metals (ug/L) acute 340 TVS(tr)	chronic 0.02(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other:	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply	Temperature °C D.O. (mg/L) D.O. (spawning) pH	DM CS-II acute 6.5 - 9.0	MWAT CS-II chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III	Metals (ug/L) acute 340 TVS(tr) 50(T)	chronic 0.02(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s):	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	chronic 0.02(T) TVS TVS TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH	DM CS-II acute 6.5 - 9.0	MWAT CS-II chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T)	chronic 0.02(T) TVS TVS TVS TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s):	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL)	DM CS-II acute 6.5 - 9.0	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	chronic 0.02(T) TVS TVS TVS TVS WS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute 6.5 - 9.0	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL)	DM CS-II acute 6.5 - 9.0	MWAT CS-II chronic 6.0 7.0 150	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS WS 1000(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL)	Biological DM CS-II acute 6.5 - 9.0 c: (mg/L)	MWAT CS-II chronic 6.0 7.0 150 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS	chronic 0.02(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL)	Biological DM CS-II acute 6.5 - 9.0 c (mg/L) acute	MWAT CS-II chronic 6.0 7.0 150 126 chronic	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS WS 1000(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/m²) E. Coli (per 100 mL) Inorganic	Biological DM CS-II acute 6.5 - 9.0 c (mg/L) acute TVS	MWAT CS-II chronic 6.0 7.0 150 126 chronic TVS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	chronic 0.02(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorganic	Biological DM CS-II acute 6.5 - 9.0 c: (mg/L) acute TVS	MWAT CS-II chronic 6.0 7.0 150 126 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS TVS WS 1000(T) TVS WS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride	Biological DM CS-II acute 6.5 - 9.0 c: (mg/L) acute TVS	MWAT CS-II chronic 6.0 7.0 150 126 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS WS 1000(T) TVS TVS WS 0.01(t)
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine	Biological DM CS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019	MWAT CS-II chronic 6.0 7.0 150 126 Chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T)
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/ma) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide	Biological DM CS-II acute 6.5 - 9.0 c: (mg/L) acute TVS 0.019 0.005	MWAT CS-II chronic 6.0 7.0 150 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS S TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate	Biological DM CS-II acute 6.5 - 9.0 c: (mg/L) acute TVS 0.019 0.005 10	MWAT CS-II chronic 6.0 7.0 150 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
except for the COARUA14B Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chronic	specific listing in segment 12b. Classifications Agriculture Aq Life Cold 2 Recreation E Water Supply odification(s): ic) = hybrid	Physical and E Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/m²) E. Coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	Biological DM CS-II acute 6.5 - 9.0 c: (mg/L) acute TVS 0.019 0.005 10	MWAT CS-II chronic 6.0 7.0 150 126 Chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS

COARUA18	Classifications	Physical and	Biological			Metals (ug/L)	
esignation	Agriculture		DM	MWAT		acute	chronic
eviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
lualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:		pH	6.5 - 9.0		Chromium III	50(T)	TVS
emporary M	odification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
rsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Dat	te of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			
7. All lakes a	and recommended with them, to the medicate on	of Fourmile Creek from the source		'41 41 A 1	D: TI:		
<i></i>	and reservoirs tributary to the mainstem	of Fourtille Creek from the source	to the confluence	with the Ark	ansas River. This segme	ent includes Wrights Re	eservoir.
	Classifications	Physical and		with the Ark	ansas River. This segme	ent includes Wrights Re Metals (ug/L)	eservoir.
OARUA37	1			MWAT	ansas River. This segme		chronic
OARUA37 esignation	Classifications Agriculture Aq Life Cold 1		Biological		Aluminum	Metals (ug/L)	
OARUA37 esignation	Classifications Agriculture Aq Life Cold 1 Recreation E	Physical and	Biological DM	MWAT		Metals (ug/L)	
OARUA37 esignation eviewable	Classifications Agriculture Aq Life Cold 1	Physical and	Biological DM CL,CLL	MWAT CL,CLL	Aluminum	Metals (ug/L) acute	chronic
coARUA37 designation deviewable	Classifications Agriculture Aq Life Cold 1 Recreation E	Physical and Temperature °C	Biological DM CL,CLL acute	MWAT CL,CLL chronic	Aluminum Arsenic	Metals (ug/L) acute 340	chronic 0.02(T)
esignation eviewable	Classifications Agriculture Aq Life Cold 1 Recreation E	Physical and Temperature °C D.O. (mg/L)	Biological DM CL,CLL acute	MWAT CL,CLL chronic 6.0	Aluminum Arsenic Beryllium	Metals (ug/L) acute 340	chronic 0.02(T)
esignation eviewable ualifiers:	Classifications Agriculture Aq Life Cold 1 Recreation E	Physical and Temperature °C D.O. (mg/L) D.O. (spawning)	Biological DM CL,CLL acute	MWAT CL,CLL chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium	Metals (ug/L) acute 340 TVS(tr)	chronic 0.02(T) TVS
coaruaston deviewable dualifiers: other: demporary Management of the semble of the sem	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH	Biological DM CL,CLL acute 6.5 - 9.0	MWAT CL,CLL chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III	Metals (ug/L) acute 340 TVS(tr) 50(T)	chronic 0.02(T) TVS TVS
coaruaaa designation deviewable dualifiers: Other: demporary Marsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L)	Biological DM CL,CLL acute 6.5 - 9.0	MWAT CL,CLL chronic 6.0 7.0 8*	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	chronic 0.02(T) TVS TVS TVS
coardantion deviewable dualifiers: ther: emporary M rsenic(chron xpiration Date	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL)	Biological DM CL,CLL acute 6.5 - 9.0	MWAT CL,CLL chronic 6.0 7.0 8*	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS
eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a per than 25 acres surface area.	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL)	Biological DM CL,CLL acute 6.5 - 9.0	MWAT CL,CLL chronic 6.0 7.0 8*	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS WS
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply lodification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL)	DM CL,CLL acute 6.5 - 9.0 ic (mg/L)	MWAT CL,CLL chronic 6.0 7.0 8* 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS WS 1000(T)
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute	MWAT CL,CLL chronic 6.0 7.0 8* 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	chronic 0.02(T) TVS
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	chronic 0.02(T) TVS
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia Boron	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS TVS WS 1000(T) TVS TVS WS
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS SUS 1000(T) TVS TVS VS US 0.01(t)
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS S TVS WS 1000(T) TVS WS 0.01(t)
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide	DM CL,CLL acute	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
esignation eviewable ualifiers: ther: emporary M rsenic(chron xpiration Dat chlorophyll a sservoirs larg Phosphorus(Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply Odification(s): ic) = hybrid te of 12/31/2021 (ug/L)(chronic) = applies only to lakes a ger than 25 acres surface area. chronic) = applies only to lakes and	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ug/L) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	Biological DM CL,CLL acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CL,CLL chronic 6.0 7.0 8* 126 chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS S TVS US 1000(T) TVS TVS US 0.01(t) 160(T) TVS TVS TVS TVS TVS TVS TVS

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	Aluminum			
	Recreation E		acute	chronic	Arsenic	340	7.6(T)	
Qualifiers:		D.O. (mg/L)		5.0	Beryllium			
Other:		pH	6.5 - 9.0		Cadmium	TVS	TVS	
	116° (° ()	chlorophyll a (mg/m²)		150	Chromium III	TVS	TVS	
Temporary Mo	. ,	E. Coli (per 100 mL)		126	Chromium III		100(T)	
•	h) = current conditions	, ,	ic (mg/L)		Chromium VI	TVS	TVS	
Arsenic(ac/ch) = current conditions Boron(chronic) = current conditions		organ	acute	chronic	Copper	TVS	TVS	
, ,	h) = current conditions	Ammonia	TVS	TVS	Iron		1000(T)	
•) = current conditions	Boron		0.75	Lead	TVS	TVS	
chlorophyll a (r	mg/m ²)(chronic) = current	Chloride			Manganese	TVS	TVS	
conditions Chromium III/c	hronic) = current	Chlorine	0.019	0.011	Mercury		0.01(t)	
conditions `	•	Cyanide	0.019		Molybdenum		160(T)	
Chromium III(a conditions	ic/ch) = current	Nitrate	100		Nickel	TVS	TVS	
Chromium VI(a	ac/ch) = current	Nitrite		0.05	Selenium	TVS	TVS	
conditions Copper(ac/ch)	= current conditions	Phosphorus		0.05	Silver	TVS	TVS	
, ,) = current conditions	·			Uranium	1 7 3	1 7 3	
	ronic) = current	Sulfate					T\/0	
conditions	0 mL)(chronic) = current	Sulfide		0.002	Zinc	TVS	TVS	
conditions	o me)(omonio) = current							
Iron(chronic) =	current conditions							
Lead(ac/ch) =	current conditions							
Manganese(ac	(ch) = current conditions							
, ,	ic) = current conditions							
Molybdenum(c conditions	hronic) = current							
	- current conditions							
Nitrate(acute) :	= current conditions							
Nitrite(chronic)	= current conditions							
pH(acute) = cu	rrent conditions							
Phosphorus(ch	nronic) = current							
Selenium(ac/cl	n) = current conditions							
Silver(ac/ch) =	current conditions							
Sulfide(chronic	c) = current conditions							
Zinc(ac/ch) = c	current conditions							
Expiration Date	e of 12/31/2018							

COARMA06B	Classifications	Physical and	Biological			Metals (ug/L)	
Designation	Agriculture		DM	MWAT		acute	chronic
JP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02-10(T) A
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		pН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m²)			Chromium III	50(T)	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
emperature(D	DM/MWAT) = "current	Inorganic (mg/L)			Copper	TVS	TVS
conditions"	e of 6/30/2017		acute	chronic	Iron		WS
·		Ammonia	TVS	TVS	Iron		1000(T)
Selenium(acu ocation at 32.	ute) = See selenium assessment 6(4).	Boron		0.75	Lead	TVS	TVS
Selenium(chr	ronic) = See selenium assessment	Chloride		250	Manganese	TVS	TVS
ocation at 32.	6(4).	Chlorine		0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus			Selenium	173*	50*
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS

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 Biolog	gical			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(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary Mo	odification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Arsenic(chroni	c) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Date	e of 12/31/2021				Iron		WS
		Inorganic (mg	/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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.

COARMA07	B 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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary I	Modification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Arsenic(chro	senic(chronic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Da	piration Date of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

	of Boggs Creek from the source to Pu						
	Classifications	Physical and				Metals (ug/L)	
	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		pН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)		150	Chromium III	50(T)	TVS
Temporary Mo	odification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chronic	c) = hybrid	Inorgani	ic (mg/L)		Copper	TVS	TVS
Expiration Date	e of 12/31/2021		acute	chronic	Iron		WS
		Ammonia	TVS	TVS	Iron		1000(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus		0.5	Selenium	TVS	TVS
					Silver	TVS	TVS(tr)
		Sulfate		WS			1 (3(11)
		Sulfide		0.002	Uranium	 T) (0	T) (O
00 D 11 D					Zinc	TVS	TVS
20. Pueblo Res	Classifications	Physical and	Biological			Metals (ug/L)	
	Agriculture	i nysicai anu	DM	MWAT		acute	chronic
	Aq Life Cold 1	Tomporoturo °C 1/1	- 3/31 CLL	CLL	Aluminum		Cilionic
Iteviewabie	Recreation E	•				240	0.02/T)
	Water Supply	Temperature °C 4/1 -	12/31 CLL	23.6	Arsenic	340	0.02(T)
	DUWS			-1	Beryllium		
Qualifiers:	1		acute	chronic	Cadmium	TVS(tr)	TVS
		D.O. (mg/L)		6.0	Chromium III	50(T)	TVS
Other:		D.O. (spawning)		7.0	Chromium VI	TVS	TVS
*chlorophyll a ((ug/L)(chronic) = See assessment	pH	6.5 - 9.0		Copper	TVS	TVS
location at 32.6	6(4).	chlorophyll a (ug/L)		5*	Iron		WS
Temporary Mo		E. Coli (per 100 mL)		126	Iron		1000(T)
Arsenic(chroni					Lead	TVS	TVS
Expiration Date	e of 12/31/2021	Inorgani	ic (mg/L)		Manganese	TVS	TVS
			acute	chronic	Manganese		WS
							0.04(4)
		Ammonia	TVS	TVS	Mercury		0.01(t)
		Ammonia Boron	TVS	TVS 0.75	Mercury Molybdenum		160(T)
		Boron		0.75	Molybdenum		160(T)
		Boron Chloride Chlorine	 0.019	0.75 250 0.011	Molybdenum Nickel	TVS	160(T) TVS
		Boron Chloride Chlorine Cyanide	 0.019 0.005	0.75 250 0.011	Molybdenum Nickel Selenium Silver	TVS TVS TVS	160(T) TVS TVS
		Boron Chloride Chlorine Cyanide Nitrate	0.019 0.005	0.75 250 0.011 	Molybdenum Nickel Selenium Silver Uranium	TVS TVS TVS	160(T) TVS TVS TVS(tr)
		Boron Chloride Chlorine Cyanide Nitrate Nitrite	0.019 0.005 10	0.75 250 0.011 0.05	Molybdenum Nickel Selenium Silver	TVS TVS TVS	160(T) TVS TVS
		Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	0.019 0.005 10	0.75 250 0.011 0.05	Molybdenum Nickel Selenium Silver Uranium	TVS TVS TVS	160(T) TVS TVS TVS(tr)
		Boron Chloride Chlorine Cyanide Nitrate Nitrite	0.019 0.005 10	0.75 250 0.011 0.05	Molybdenum Nickel Selenium Silver Uranium	TVS TVS TVS	160(T) TVS TVS TVS(tr)

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Fountain Creek Basin

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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
ualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:		pH	6.5 - 9.0		Chromium III	50(T)	TVS
emporary M	odification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
rsenic(chroni	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Dat	te of 12/31/2021				Iron		WS
		Inorganic (mg/L)			Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			
All lakes an egment 9.	d reservoirs tributary to the m	nainstem of Fountain Creek from the source	e to a point immedia	tely above th	ne confluence with Monun	nent Creek, except for s	specific listing

COARFO08	Classifications	Physical and Bi	ological			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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary M	lodification(s):	chlorophyll a (ug/L)		8*	Chromium VI	TVS	TVS
Arsenic(chron	nic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Date	te of 12/31/2021				Iron		WS
*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)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
	Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.025*	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

COARLA01A	Classifications	Physic	cal and Biologi	cal			Metals (ug/L)	
Designation	Agriculture			DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	1/1 - 11/30	WS-II	WS-II	Aluminum		
	Recreation E	Temperature °C	12/1 - 12/31	21.5	20.7	Arsenic	340	0.02-10(T) A
	Water Supply					Beryllium		
Qualifiers:				acute	chronic	Cadmium	TVS	TVS
Other:		D.O. (mg/L)			5.0	Chromium III	50(T)	TVS
Temporary Mo	odification(s):	рН		6.5 - 9.0		Chromium VI	TVS	TVS
	h) = existing quality	chlorophyll a (mg/m²)				Copper	TVS	TVS
Sulfate(chronic) = existing quality		E. Coli (per 100 mL)			126	Iron		WS
Expiration Date	xpiration Date of 12/31/2018		Inorganic (mg/L	-)		Iron		2800(T)
				acute	chronic	Lead	TVS	TVS
		Ammonia		TVS	TVS	Manganese	TVS	TVS
		Boron			0.75	Manganese		WS
		Chloride			250	Mercury		0.01(t)
	Chlorine		0.019	0.011	Molybdenum		160(T)	
		Cyanide		0.005		Nickel	TVS	TVS
		Nitrate		10		Selenium	19.1	14.1
		Nitrite			0.5	Silver	TVS	TVS
		Phosphorus				Uranium		
		Sulfate			329	Zinc	TVS	TVS
		Sulfide			0.002			

1b. Mainstem	of the Arkansas River from th	e Colorado Canal headgate to the inlet to	John Martin Reservo	oir.			
COARLA01E	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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Water + Fish Standards Apply		chlorophyll a (mg/m²)			Chromium III	50(T)	TVS
Other:		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Temporary Modification(s):		Inorgan	ic (mg/L)		Copper	TVS	TVS
Arsenic(chronic) = hybrid			acute	chronic	Iron		WS
Expiration Date of 12/31/2021		Ammonia	TVS	TVS	Iron		1950(T)
Selenium(chr conditions"	ronic) = "current	Boron		0.75	Lead	TVS	TVS
	ate of 6/30/2016	Chloride		250	Manganese	TVS	TVS
Expiration Da	te of 12/31/2018	Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus			Selenium	TVS	TVS
		Sulfate		902	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					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.

	1	yon Canal to the confluence with the Arkansas Rive			1		
	Classifications	Physical and B				Metals (ug/L)	
	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
0 1111	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		pH	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)		150	Chromium III	50(T)	TVS
Temporary Mo	odification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chroni		Inorganic	(mg/L)		Copper	TVS	TVS
Expiration Date	e of 12/31/2021		acute	chronic	Iron		WS
		Ammonia	TVS	TVS	Iron		1000(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus		0.17	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
				****	Zinc	TVS	TVS
11. John Marti		Dhariad and D	N:-1:I		I	Matala (//)	
COARLA11	Classifications	Physical and B		5.53.4.4.T		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	0.02(T)
0!!!!	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)			Chromium III	50(T)	TVS
Temporary Mo		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chroni		Inorganic	(mg/L)		Copper	TVS	TVS
Expiration Date	e of 12/31/2021		acute	chronic	Iron		WS
		Ammonia	TVS	TVS	Iron		1000(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury		0.01(t)
		Cyanide	0.005		Molybdenum		160(T)
		Nitrate	10		Nickel	TVS	TVS
		Nitrite		0.5	Selenium	TVS	TVS
		Phosphorus			Silver	TVS	TVS
		Sulfate		WS	Uranium		
		Sulfide		0.002	Zinc	TVS	TVS

tr = trout

D.O. = dissolved oxygen

COARLA19	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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (ug/L)		20*	Chromium III	50(T)	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid		Inorgan	ic (mg/L)		Copper	TVS	TVS
Expiration Date of 12/31/2021			acute	chronic	Iron		WS
*chlorophyll a	(ug/L)(chronic) = applies only to lakes and	Ammonia	TVS	TVS	Iron		1000(T)
reservoirs larger than 25 acres surface area. *Phosphorus(chronic) = applies only to lakes and reservoirs larger than 25 acres surface area.		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus		0.083*	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS(tr)
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS

EXHIBIT 2 WATER QUALITY CONTROL DIVISION

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)

. . .

33.57 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

No action: The Commission took no action on the following temporary modifications:

Blue River segment 14: Temporary modification of the molybdenum standard. The Commission made no change to the expiration date of 12/31/2017 since this issue will be addressed in mid-2017 in a molybdenum-specific hearing.

Yampa River segments: Seneca-Peabody presented evident that it is making progress on the plan for eliminating the need for need for the temporary modifications. The Commission made no change to the expiration date of the temporary modifications on these segments as the original time allotment was deemed adequate to resolve the uncertainty

Segment 13b, selenium, (exp 12/31/2018)

Seament 13d, iron (exp 12/31/2017), selenium, (exp 12/31/2018)

Segment 13e, selenium, (exp 12/31/2018)

Segment 13g, selenium, (exp 12/31/2018)

Segment 13i, iron (exp 12/31/2017), selenium, (exp 12/31/2018)

New Temporary Modifications of the Arsenic Standard:

Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on segments on the following list, with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from December 13, 2011 hearing that an initial reasonable lower limit of treatment technology for arsenic is 3.0 µg/L, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the underlying uncertainty is resolved, if there is a temporary modification on the segment that is the receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

Upper Colorado segment 1

Blue River segment 2

Blue River segment 6a

Blue River segment 12

Blue River segment 14

Blue River segment 17

Blue River segment 18

Eagle River segment 2

Eagle River segment 5c

Eagle River segment 9b

Eagle River segment 12

Roaring Fork segment 3c

Roaring Fork segment 7c

Roaring Fork segment 10b

Roaring Fork segment 12c

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 06/30/201617

1. Mainstem of	of the Colorado River, includin	g all tributaries and wetlands, within Rock	y Mountain Nationa	<u>ıl Park, or </u> wh	nich flow into Rocky Mou	ntain 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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
		chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Temporary Me		E. Coli (per 100 mL)		126	Copper	TVS	TVS
Arsenic(chroni					Iron		WS
Expiration Dat	te of 12/31/2021	Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.00	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Zinc		TVS(sc)
O Mainatana	f the Colored Diversion leaded						1 70(30)
COUCUC02	Classifications	g all tributaries and wetlands within, or flo Physical and		National Re	Creation Area.	Metals (ug/L)	
Designation	Agriculture	i nysicarana	DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		
rcvicwabic	Recreation E	Temperature C	acute	chronic	Arsenic	340	
	Water Supply	D.O. (mg/L)		6.0			0.02(T)
Qualifiers:		D.O. (mg/L) D.O. (spawning)		7.0	Beryllium	TVS(tr)	TVS
					Cadmium		
Other:		pH	6.5 - 9.0	450	Chromium III	50(T)	TVS
Other:		chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Temporary M	lodification(s):	E. Coli (per 100 mL)		126	Copper .	TVS	TVS
Arsenic(chroni	ic) = hybrid				Iron .		WS
Expiration Dat	te of 12/31/2021	Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		NPC 4	40		Selenium	TVS	TVS
		Nitrate	10				
		Nitrite		0.05	Silver	TVS	TVS(tr)
					Silver Uranium	TVS 	TVS(tr)
		Nitrite		0.05			
		Nitrite Phosphorus		0.05 0.11	Uranium		

6a. Mainstem	of the Snake River, including all tributa	ries and wetlands from the source	e to Dillon Reservo	oir, except for	r specific listings in Segr	nents 6b, 7, 8 and 9.	
COUCBL06A	Classifications	Physical and B	iological			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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
_		chlorophyll a (mg/m2)		150*	Chromium VI	TVS	TVS
Temporary M		E. Coli (per 100 mL)		126	Copper	TVS	TVS
Arsenic(chroni					Iron		WS
Expiration Dat	e of 12/31/2021	Inorganio	(mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
*chlorophyll a (mg/m2)(chronic) = applies only above		Ammonia	TVS	TVS	Manganese	TVS	TVS
	sted at 33.5(4). chronic) = applies only above the	Boron		0.75	Manganese		WS
facilities listed		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11*	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

COUCBL12	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	0.02(T)
	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		Chromium III	50(T)	TVS
		chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
	odification(s):	E. Coli (per 100 mL)		205	Copper	TVS	TVS
rsenic(chron					Iron		WS
xpiration Dat	e of 12/31/2021	Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
	Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
	Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m²)		150*	Chromium VI	TVS	TVS
Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 Molybdenum(chronic) = current conditions Expiration Date of 12/31/2017		E. Coli (per 100 mL)		126	Copper	TVS	TVS
					Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
*chlorophyll a (mg/m²)(chronic) = applies only above		Ammonia	TVS	TVS	Manganese	TVS	TVS
he facilities lis	sted at 33.5(4).	Boron		0.75	Manganese		WS
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		210(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11*	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Zinc		TVS(sc)

Designation Reviewable Re
Recreation E Variet Supply
Mater Supply
Designation
Phile
Chlorophys Modification(s): Americ (chronic) Information (mg/m2) Information
Emporary Modification(s): Mysenic (chronic) = hybrid E. Coli (per 100 mL) 126 Copper TVS TVS Mysenic (chronic) = hybrid Expiration Date of 12/31/2021 Inorganic (mg/L) Inorgan
Septencic (non in
Ammonia TVS TVS Manganese TVS TVS TVS Manganese TVS TVS TVS Manganese TVS
Boron
Boron
Chloride
Chlorine 0.019 0.011 Molybdenum 160(T) Cyanide 0.005 Nickel TVS TVS Nitrate 10 Selenium TVS TVS Nitrite 0.05 Silver TVS TVS Nitrite 0.05 Silver TVS TVS Phosphorus Uranium Sulfide 0.002 Zinc TVS TVS Sulfide 0.002 Zinc TVS Sulfide DM MWAT Selections Septent to the sulter to distingt in Segment to the sulter of the sulter to distingt in Segment to the sulter of the sulter to distingt in Segment to the sulter of the sulter of the sulter to distingt in Segment to the sulter of the sulter
Nitrate 10
Nitrite 1.00 Nit
Phosphorus
Sulfate
Sulfide Sulf
B. 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 1
Coursidation Cour
Aq Life Cold 1 Recreation E Water Supply D.O. (mg/L) C.S-I C.S-I C.S-I Aluminum C.S-I C.S-I Aluminum C.S-I C.S-I C.S-I C.S-I Aluminum C.S-I C.
Recreation E Water Supply
Water Supply D.O. (mg/L) 6.0 Beryllium
Description
Differ: PH
Definition Def
E. Coli (per 100 mL)
E. Coli (per 100 mL)
Iron
Inorganic (mg/L) Iron
acute chronic Lead TVS TVS Ammonia TVS TVS Manganese TVS TVS Boron 0.75 Manganese WS Chloride 250 Mercury 0.01(t)
Ammonia TVS TVS Manganese TVS TVS Boron 0.75 Manganese WS Chloride 250 Mercury 0.01(t)
Boron 0.75 Manganese WS Chloride 250 Mercury 0.01(t)
Chloride 250 Mercury 0.01(t)
Chlorine 0.019 0.011 Molybdenum 160(T)
Cyanide 0.005 Nickel TVS TVS
Nitrate 10 Selenium TVS TVS
Nitrite 0.05 Silver TVS TVS(tr)
Nitrite 0.05 Silver TVS TVS(tr) Phosphorus 0.11 Uranium
Nitrite 0.05 Silver TVS TVS(tr)

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

COUCEA02	Classifications	Physical and	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(T)		
	Water Supply	D.O. (mg/L)		6.0	Beryllium				
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS		
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		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		
					Iron		WS		
		Inorgani	c (mg/L)		Iron		1000(T)		
			acute	chronic	Lead	TVS	TVS		
		Ammonia	TVS	TVS	Manganese	TVS	TVS		
he facilities lis	sted at 33.5(4).	Boron		0.75	Manganese		WS		
*Phosphorus(chronic) = applies only above the facilities listed at 33.5(4).		Chloride		250	Mercury		0.01(t)		
	Chlorine	0.019	0.011	Molybdenum		160(T)			
	Cyanide	0.005		Nickel	TVS	TVS			
		Nitrate	10		Selenium	TVS	TVS		
		Nitrite		0.05	Silver	TVS	TVS(tr)		
		Phosphorus		0.11*	Uranium				
		Sulfate		WS	Zinc	TVS	TVS		
		Sulfide		0.002	Zinc		TVS(sc)		

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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	SSE*
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary Mo	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chroni	c) = hybrid	E. Coli (per 100 mL)		126	Copper		SSE*
Expiration Date	e of 12/31/2021				Copper	SSE*	
Designation, 0/20/00 Pageline deep not apply		Inorgan	ic (mg/L)		Iron		WS
3.1725) *Copper(acute) = 0.96*e^0.9801[ln(hardness)]-1.5865 *Copper(chronic) = 0.96*e^0.5897[ln(hardness)]-			acute	chronic	Iron		1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Manganese	TVS	TVS
		Chloride		250	Manganese		WS
7.4845 7.inc(acute) –	0.978*e^0.8537[ln(hardness)]+1.4189	Chlorine	0.019	0.011	Mercury		0.01(t)
Zinc(acute) = 0.976 e 0.8537[in(hardness)]+1.4789 *Zinc(chronic) = 0.986*e^0.8537[in(hardness)]+1.2481		Cyanide	0.005		Molybdenum		160(T)
		Nitrate	10		Nickel	TVS	TVS
		Nitrite		0.05	Selenium	TVS	TVS
		Phosphorus			Silver	TVS	TVS(tr)
		Sulfate		WS	Uranium		
		Sulfide		0.002	Zinc		SSE*
					Zinc	SSE*	

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

	Classifications	Physical and	Biological			Metals (ug/L)	
Designation	Agriculture	, i	DM	MWAT		acute	chronic
Reviewable	Ag Life Cold 1	Temperature °C	CS-II*	varies*	Aluminum		
	Recreation E	, sp.s.s.s.s	acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:	1	D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pH	6.5 - 9.0		Chromium III	50(T)	TVS
		chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
emporary Modification(s):		E. Coli (per 100 mL)		126	Copper	TVS	TVS
rsenic(chronic) = hybrid		,			Iron		WS
xpiration Date of 12/31/2021		Inorgani	ic (mg/L)		Iron		1000(T)
		morgani	acute	chronic	Lead	TVS	TVS
Tomporoturo		Ammonia	TVS	TVS	Manganese	TVS	TVS
	WAT=12 from 4/1 - 5/31	Boron		0.75	Manganese		WS
	WAT=12 from 10/1 - 10/15 WAT=11 from 10/16 - 10/31	Chloride		250	Mercury		0.01(t)
/WIII TO GITG IVI	W/ (1 = 1 1 11 10 11 10 10 10 10 10 10 10 10 10	Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Ziilo	1 10	170
		Suilide		0.002			
12. Mainstem	of Brush Creek, from the source to	the confluence with the Eagle River	, including the East	and West Fo	orks.		
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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
		chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
amporary M	odification(s):						1 4 0
	· · · · · ·	E. Coli (per 100 mL)		126	Copper	TVS	TVS
rsenic(chroni		E. Coli (per 100 mL)		126	Copper Iron	TVS 	
Arsenic(chroni	c) = hybrid e of 12/31/2021	E. Coli (per 100 mL) Inorgani		126			TVS
Arsenic(chroni				126	Iron		TVS WS
Arsenic(chroni			ic (mg/L)		Iron Iron		TVS WS 1000(T) TVS
rsenic(chroni		Inorgani	ic (mg/L) acute	chronic	Iron Iron Lead	 TVS	TVS WS 1000(T) TVS TVS
Arsenic(chroni		Inorgani	ic (mg/L) acute TVS	chronic TVS	Iron Iron Lead Manganese	 TVS TVS	TVS WS 1000(T) TVS TVS
Arsenic(chroni		Inorgani Ammonia Boron	ic (mg/L) acute TVS	chronic TVS 0.75	Iron Iron Lead Manganese Manganese	 TVS TVS	TVS WS 1000(T) TVS TVS WS
rsenic(chroni		Ammonia Boron Chloride Chlorine	ic (mg/L) acute TVS	chronic TVS 0.75 250	Iron Iron Lead Manganese Manganese Mercury	 TVS TVS 	TVS WS 1000(T) TVS TVS WS 0.01(t)
rsenic(chroni		Ammonia Boron Chloride	acute TVS 0.019	chronic TVS 0.75 250 0.011	Iron Iron Lead Manganese Manganese Mercury Molybdenum	 TVS TVS 	TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T)
Arsenic(chroni		Ammonia Boron Chloride Chlorine Cyanide Nitrate	acute TVS 0.019 0.005	chronic TVS 0.75 250 0.011	Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	 TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T) TVS
Arsenic(chroni		Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05	Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	TVS TVS TVS TVS	TVS
Arsenic(chroni		Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05 0.11	Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	TVS TVS TVS TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T) TVS TVS TVS TVS
Arsenic(chroni		Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05 0.11 WS	Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	TVS TVS TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T) TVS TVS
rsenic(chroni		Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05 0.11	Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	TVS TVS TVS TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T) TVS TVS TVS TVS(tr)
rsenic(chroni		Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05 0.11 WS	Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	TVS TVS TVS TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T) TVS TVS TVS TVS(tr)

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Roaring Fork River Basin

OUCRF03C	Classifications	Physical and	Biological			Metals (ug/L)	
esignation	Agriculture		DM	MWAT		acute	chronic
eviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
ualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
		chlorophyll a (mg/m2)		150*	Chromium VI	TVS	TVS
emporary Modification(s):		E. Coli (per 100 mL)		126	Copper	TVS	TVS
rsenic(chronic) = hybrid					Iron		WS
xpiration Dat	<u>e of 12/31/2021</u>	Inorgan	ic (mg/L)		Iron		1000(T)
		J	acute	chronic	Lead	TVS	TVS
hlorophyll a	(mg/m2)(chronic) = applies only above	Ammonia	TVS	TVS	Manganese	TVS	TVS
e facilities lis	sted at 33.5(4).	Boron		0.75	Manganese		WS
hosphorus(d cilities listed	chronic) = applies only above the	Chloride		250	Mercury		0.01(t)
oioo iiotou	a. 55.5(1).	Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.019		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
				0.05	Uranium		1 VO(ti)
		Phosphorus Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	ZIIIC	173	1 7 3
OUCRF07 esignation	Classifications Agriculture	Physical and	Biological	MWAT		Metals (ug/L) acute	chronic
eviewable	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic		
	Water Supply	D.O. (ma/l.)				340	0.02(T)
		D.O. (Mg/L)		6.0	Beryllium	340	
ualifiers:		D.O. (mg/L) D.O. (spawning)		6.0 7.0	Beryllium		
		D.O. (mg/L) D.O. (spawning) pH			Beryllium Cadmium	TVS(tr)	TVS
		D.O. (spawning) pH		7.0	Beryllium Cadmium Chromium III	TVS(tr) 50(T)	TVS
ualifiers: other: emporary M	odification(s):	D.O. (spawning) pH chlorophyll a (mg/m2)	6.5 - 9.0	7.0 150	Beryllium Cadmium Chromium III Chromium VI	TVS(tr) 50(T) TVS	TVS TVS
ther:		D.O. (spawning) pH	6.5 - 9.0	7.0	Beryllium Cadmium Chromium III Chromium VI Copper	TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS WS
emporary M		D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	6.5 - 9.0 	7.0 150	Beryllium Cadmium Chromium III Chromium VI Copper Iron	TVS(tr) 50(T) TVS TVS	TVS TVS TVS TVS WS
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	 6.5 - 9.0 ic (mg/L)	7.0 150 126	Beryllium Cadmium Chromium III Chromium VI Copper Iron	TVS(tr) 50(T) TVS TVS	TVS TVS TVS TVS WS
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan	6.5 - 9.0 ic (mg/L)	7.0 150 126 chronic	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	TVS(tr) 50(T) TVS TVS TVS	TVS TVS TVS TVS TVS TVS TVS
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan	6.5 - 9.0 ic (mg/L) acute TVS	7.0 150 126 chronic TVS	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	TVS(tr) 50(T) TVS TVS TVS TVS TVS	TVS TVS TVS TVS TVS TVS TVS TVS
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron	6.5 - 9.0 ic (mg/L) acute TVS	7.0 150 126 chronic TVS 0.75	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	TVS TVS TVS WS 1000(T) TVS WS
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride	6.5 - 9.0 ic (mg/L) acute TVS 	7.0 150 126 chronic TVS 0.75 250	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS	TVS TVS TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t)
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine	6.5 - 9.0 ic (mg/L) acute TVS 0.019	7.0 150 126 chronic TVS 0.75 250 0.011	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS TVS	TVS TVS TVS TVS TVS SS TVS TVS TVS TVS T
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide	6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005	7.0 150 126 chronic TVS 0.75 250 0.011	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS	TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T)
ther: emporary M	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate	ic (mg/L) acute TVS 0.019 0.005	7.0 150 126 chronic TVS 0.75 250 0.011	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	TVS(tr) 50(T) TVS	TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
ther: emporary M senic(chroni	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	7.0 150 126 chronic TVS 0.75 250 0.011 0.05	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	TVS(tr) 50(T) TVS	TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS
ther: emporary M senic(chroni	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	7.0 150 126 chronic TVS 0.75 250 0.011 0.05 0.11	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS T	TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS
her: mporary M senic(chroni	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	7.0 150 126 chronic TVS 0.75 250 0.011 0.05 0.11 WS	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium Zinc	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS T	TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS(tr)
her: mporary M senic(chroni	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	7.0 150 126 chronic TVS 0.75 250 0.011 0.05 0.11	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS T	TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
her: mporary M senic(chroni	ic) = hybrid	D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	7.0 150 126 chronic TVS 0.75 250 0.011 0.05 0.11 WS	Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium Zinc	TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS T	TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Roaring Fork River Basin

COUCRF10B	Classifications	Physical	and Biolog	ical		Metals (ug/L)			
Designation	Agriculture			DM	MWAT		acute	chronic	
)W	Aq Life Cold 1	Temperature °C		CS-I	CS-I	Aluminum			
	Recreation E			acute	chronic	Arsenic	340	0.02(T)	
	Water Supply	D.O. (mg/L)			6.0	Beryllium			
ualifiers:	<u> </u>	D.O. (spawning)			7.0	Cadmium	TVS(tr)	TVS	
Other:		рН		6.5 - 9.0		Chromium III	50(T)	TVS	
		chlorophyll a (mg/m2)			150	Chromium VI	TVS	TVS	
emporary Modification(s):		E. Coli (per 100 mL)			126	Copper	TVS	TVS	
rsenic(chroni						Iron		WS	
xpiration Dat	<u>e of 12/31/2021</u>	Ino	rganic (mg/	L)		Iron		1000(T)	
				acute	chronic	Lead	TVS	TVS	
		Ammonia		TVS	TVS	Manganese	TVS	TVS	
		Boron			0.75	Manganese		WS	
		Chloride			250	Mercury		0.01(t)	
		Chlorine		0.019	0.011	Molybdenum		160(T)	
		Cyanide		0.005		Nickel	TVS	TVS	
		Nitrate		10		Selenium	TVS	TVS	
		Nitrite			0.05	Silver	TVS	TVS(tr)	
		Phosphorus			0.11	Uranium			
		Sulfate			WS	Zinc	TVS	TVS	
		Sulfide			0.002	Zinc		TVS(sc)	
		Camao			0.002			()	
	nd reservoirs tributary to the Roaring Fork	1							
COUCRF12	Classifications	Physical	and Biolog				Metals (ug/L)		
	Agriculture			DM	MWAT		acute	chroni	
Reviewable	Aq Life Cold 1	Temperature °C	4/1 - 12/31	CLL*	20.3* ^B	Aluminum			
	Recreation E	Temperature °C		CL,CLL	CL,CLL	Arsenic	340	0.02(T)	
	Water Supply DUWS*					Beryllium			
)alifiara.	DOWS			acute	chronic	Cadmium	TVS(tr)	TVS	
lualifiers:		D.O. (mg/L)			6.0	Chromium III	50(T)	TVS	
ther:		D.O. (spawning)			7.0	Chromium VI	TVS	TVS	
emporary M	odification(s):	pH		6.5 - 9.0		Copper	TVS	TVS	
rsenic(chroni		chlorophyll a (ug/L)			8*	Iron		WS	
	e of 12/31/2021	E. Coli (per 100 mL)			126	Iron	-	1000(T)	
•						Lead	TVS	TVS	
		Ino	rganic (mg/	L)		Manganese	TVS	TVS	
	(ug/L)(chronic) = applies only to lakes			acute	chronic	Manganese		WS	
	larger than 25 acres surface area.	Ammonia		TVS	TVS	Mercury		0.01(t)	
nd reservoirs	: DUWS Applies only to Leonard Thomas				0.75	Molybdenum		160(T)	
nd reservoirs Classification es and Wildo	: DUWS Applies only to Leonard Thomas cat Res	Boron				Nickel	TVS	TVS	
nd reservoirs Classification es and Wildo Phosphorus(o	: DUWS Applies only to Leonard Thomas	Boron Chloride			250				
nd reservoirs Classification es and Wildo Phosphorus(o eservoirs larg	: DUWS Applies only to Leonard Thomas cat Res chronic) = applies only to lakes and			0.019	0.011	Selenium	TVS	TVS	
nd reservoirs Classification les and Wildo Phosphorus(deservoirs larg	: DŪWS Applies only to Leonard Thomas cat Res chronic) = applies only to lakes and ler than 25 acres surface area.	Chloride				Selenium Silver	TVS TVS		
nd reservoirs Classification Res and Wildo Phosphorus(deservoirs larg	: DŪWS Applies only to Leonard Thomas cat Res chronic) = applies only to lakes and ler than 25 acres surface area.	Chloride Chlorine		0.019	0.011			TVS TVS(tr)	
nd reservoirs Classification les and Wildo Phosphorus(deservoirs larg	: DŪWS Applies only to Leonard Thomas cat Res chronic) = applies only to lakes and ler than 25 acres surface area.	Chloride Chlorine Cyanide		0.019 0.005	0.011	Silver	TVS		
nd reservoirs Classification les and Wildo Phosphorus(deservoirs larg	: DŪWS Applies only to Leonard Thomas cat Res chronic) = applies only to lakes and ler than 25 acres surface area.	Chloride Chlorine Cyanide Nitrate		0.019 0.005 10	0.011	Silver Uranium	TVS 	TVS(tr)	
nd reservoirs Classification Res and Wildo Phosphorus(deservoirs larg	: DŪWS Applies only to Leonard Thomas cat Res chronic) = applies only to lakes and ler than 25 acres surface area.	Chloride Chlorine Cyanide Nitrate Nitrite		0.019 0.005 10	0.011	Silver Uranium	TVS 	TVS(tr)	

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.

COUCYA13B	Classifications	Physical and Biolo	gical			Metals (uç	g/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	7.6(T)
Qualifiers:		D.O. (mg/L)		6.0	Beryllium			
Other:		D.O. (spawning)		7.0	Cadmium	Т	VS(tr)	TVS
Temporary Modification(s):		pH	6.5 - 9.0		Chromium III		TVS	TVS
	onic) = current conditions*	chlorophyll a (mg/m²)		150	Chromium III			100(T)
,	e of 12/31/2018	E. Coli (per 100 mL)		126	Chromium VI		TVS	TVS
*Iron(chronic)	= See section 33.6(4) for iron				Copper		TVS	TVS
assessment lo	cations.	5 (5.=/			Iron			1000(T)*
	= 2,090(T) ug/L for Middle Creek. See) for iron assessment locations.		acute	chronic	Iron	3/1 - 6/30		2090(T)*
*TempMod: Se	elenium = for Foidel and Middle	Ammonia	TVS	TVS	Lead		TVS	TVS
Creeks.		Boron		0.75	Manganese		TVS	TVS
		Chloride			Mercury			0.01(t)
		Chlorine	0.019	0.011	Molybdenum			160(T)
		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				

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	Aluminum			
	Recreation E			acute	chronic	Arsenic		340	100(T)
Qualifiers:			D.O. (mg/L)		5.0	Beryllium			
Other:			pН	6.5 - 9.0		Cadmium		TVS	TVS
Temporary M	Modification(s):		chlorophyll a (mg/m²)		150	Chromium III		TVS	TVS
' '		3/1 - 4/30	E. Coli (per 100 mL)		126	Chromium III			100(T)
, ,	te of 12/31/2017		Inorganic (mg/L)		Chromium VI		TVS	TVS	
Selenium(chr	onic) = current conditions			acute	chronic	Copper		TVS	TVS
Expiration Da	te of 12/31/2018		Ammonia	TVS	TVS	Iron	5/1 - 2/29		1110(T)*
'Iron(chronic)	= See section 33.6(4) for iron		Boron		0.75	Iron	3/1 - 4/30		3040(T)*
assessment Í	ocations.		Chloride			Lead		TVS	TVS
assessment l	= See section 33.6(4) for iron ocations.		Chlorine	0.019	0.011	Manganese		TVS	TVS
			Cyanide	0.005		Mercury			0.01(t)
			Nitrate	100		Molybdenum			160(T)
			Nitrite		0.05	Nickel		TVS	TVS
			Phosphorus		0.17	Selenium		TVS	TVS
			Sulfate			Silver		TVS	TVS
			Sulfide		0.002	Uranium			
						Zinc		TVS	TVS

D.O. = dissolved oxygen

	of Sage Creek, including all tributaries	and wetlands, from its sources to the	confluence wit	h the Yampa				
COUCYA13E	Classifications	Physical and Biolo	gical		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	100(T)	
Qualifiers:		D.O. (mg/L)		5.0	Beryllium			
Other:		рН	6.5 - 9.0		Cadmium	TVS	TVS	
Temporary Mo	odification(s):	chlorophyll a (mg/m²)			Chromium III	TVS	TVS	
	nic) = current conditions	E. Coli (per 100 mL)		630	Chromium III		100(T)	
Expiration Date	e of 12/31/2018	Inorganic (mg/L)			Chromium VI	TVS	TVS	
*Iron(chronic) :	= 1,000(T) ug/L on Lower Sage Creek.		acute	chronic	Copper	TVS	TVS	
See section 33	6.6(4) for iron assessment locations.	Ammonia	TVS	TVS	Iron		1000(T)*	
	= 1,250(T) ug/L on Upper Sage Creek. Upper and Lower Sage Creek is the	Boron		0.75	Iron		1250(T)*	
	Section 18, T5N, R87W. See section assessment locations.	Chloride			Lead	TVS	TVS	
33.6(4) 101 1101	assessment locations.	Chlorine	0.019	0.011	Manganese	TVS	TVS	
		Cyanide	0.005		Mercury		0.01(t)	
		Nitrate	100		Molybdenum		160(T)	
		Nitrite		0.05	Nickel	TVS	TVS	
		Phosphorus		0.17	Selenium	TVS	TVS	
		Sulfate			Silver	TVS	TVS	
		Sulfide		0.002	Uranium			
					Zinc	TVS	TVS	

13g. All tributa	aries to Fish Creek from the conflu	uence with Cow Camp Creek to the cor	nfluence 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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	7.6(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium		
Other:		рН	6.5 - 9.0		Cadmium	TVS(tr)	TVS
Temporary M	lodification(s):	chlorophyll a (mg/m²)		150	Chromium III	TVS	TVS
' '	onic) = current conditions	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Expiration Date	te of 12/31/2018	Inorgan	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	0.005		Nickel	TVS	TVS
		Nitrate	100		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.17	Uranium		
		Sulfate			Zinc	TVS	TVS
		Sulfide		0.002			

2a. Mainstem	of the Yampa River from the confluence	e with Wheeler Creek to a point imr	nediately above	the confluen	ce with Oak Creek.		
COUCYA02A	Classifications	Physical and Bio	logical			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(T)
	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		Chromium III	50(T)	TVS
		chlorophyll a (mg/m2)		150*	Chromium VI	TVS	TVS
Temporary Mo	<u></u>	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Arsenic(chroni					Iron		WS
Expiration Dat	e of 12/31/2021	Inorganic (mg/L)			Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
*chlorophyll a	(mg/m2)(chronic) = applies only above	Ammonia	TVS	TVS	Manganese	TVS	TVS
the facilities lis	ted at 33.5(4). chronic) = applies only above the	Boron		0.75	Manganese		WS
facilities listed		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11*	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Zinc		TVS(sc)

COUCYA13I	Classifications	Physical and	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	100(T)		
Qualifiers:		D.O. (mg/L)		5.0	Beryllium				
Other:		рН	6.5 - 9.0		Cadmium	TVS	TVS		
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium III	TVS	TVS		
' '	= current conditions*	E. Coli (per 100 mL)		630	Chromium VI	TVS	TVS		
Expiration Dat	e of 12/31/2017	Inorganic (mg/L)			Copper	TVS	TVS		
Selenium(chro	onic) = current conditions		acute	chronic	Iron		1000(T)*		
Expiration Dat	e of 12/31/2018	Ammonia	TVS	TVS	Lead	TVS	TVS		
*Iron(chronic)	= See section 33.6(4) for iron	Boron		0.75	Manganese	TVS	TVS		
assessment Í		Chloride			Mercury		0.01(t)		
*TempMod: Ir	on = for Grassy Creek.	Chlorine	0.019	0.011	Molybdenum		160(T)		
		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					

EXHIBIT 3 WATER QUALITY CONTROL DIVISION

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 AND DOLORES RIVER BASINS

. . .

34.47 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER</u> 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

No action: The Commission took no action on the temporary modifications on the following segments since they will be addressed in the basin wide hearing in June 2017.

Animas River segment 3b: Temporary modification of the cadmium, copper and zinc standards (expire 12/31/2017).

La Platta segment 7a: Temporary modification of the ammonia standards (expire 12/31/2018).

La Platta segment 8c: Temporary modification of the ammonia standards (expire 12/31/2018).

New Temporary Modifications of the Arsenic Standard:

Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on segments on the following list, with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from a December 13, 2011 hearing that an initial reasonable lower limit of treatment technology for arsenic is 3.0 μ g/L, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the

underlying uncertainty is resolved, if there is a temporary modification on the segment that is the receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

San Juan River segment 9
San Juan Riversegment 11
Piedra River segment 7
Los Pinos Riversegment 5
Animas Florida River segment 10a
Animas Florida River segment 13a
Animas Florida River segment 22
La Plata River segment 2b
La Plata River segment 5
La Plata River segment 12
Dolores River segment 1
Dolores River segment 2
Dolores River segment 3
Dolores River segment 4a
Dolores River segment 4b

Dolores River segment 5a Dolores River segment 5b

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 06/30/201617

COSJSJ09A	Classifications		Physic	al and Biologi	ical			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	0.02(T)
	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		Chromium III	50(T)	TVS
emporary M	lodification(s):		chlorophyll a (mg/m2)				Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid		E. Coli (per 100 mL)			126	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021						Iron		WS
			lı	norganic (mg/l	L)		Iron		1000(T)
					acute	chronic	Lead	TVS	TVS
			Ammonia		TVS	TVS	Manganese	TVS	TVS
			Boron			0.75	Manganese		WS
			Chloride			250	Mercury		0.01(t)
			Chlorine		0.019	0.011	Molybdenum		160(T)
			Cyanide		0.005		Nickel	TVS	TVS
			Nitrate		10		Selenium	TVS	TVS
			Nitrite			0.05	Silver	TVS	TVS(tr)
			Phosphorus			0.03	Uranium		
			Sulfate			ws	Zinc	TVS	TVS(sc)
			Sullate			VVO	2.110	1 10	1 10(00)
except for the	specific listings in S					0.002	armile Creek to the South		ation boundar
xcept for the			wetlands, from a point imn	nediately below	the conflue		armile Creek to the South	ern Ute Indian Reserva Metals (ug/L)	ation boundar
except for the COSJSJ11A Designation	specific listings in S Classifications Agriculture		wetlands, from a point imn 9a and 9b. Physic		the conflue	nce with Foo			
	specific listings in S Classifications Agriculture Aq Life Warm 1	egments 6a, 6b,	wetlands, from a point imn		the conflue	mce with Foundation MWAT WS-II	Aluminum	Metals (ug/L) acute	
except for the COSJSJ11A Designation	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C		the conflue ical DM WS-II acute	MWAT WS-II chronic	Aluminum Arsenic	Metals (ug/L)	chronic
except for the COSJSJ11A Designation	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N	egments 6a, 6b,	wetlands, from a point imn 9a and 9b. Physic Temperature °C D.O. (mg/L)		or the confluence ical DM WS-II acute	mce with Foundation MWAT WS-II	Aluminum	Metals (ug/L) acute	chronic
xcept for the COSJSJ11A Designation Reviewable	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C		the conflue ical DM WS-II acute	MWAT WS-II chronic	Aluminum Arsenic	Metals (ug/L) acute 340	chronic 0.02(T)
xcept for the COSJSJ11A lesignation leviewable	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	al and Biologi	or the confluence ical DM WS-II acute	MWAT WS-II chronic 5.0	Aluminum Arsenic Beryllium	Metals (ug/L) acute 340 TVS(tr) 50(T)	chronic 0.02(T) TVS
xcept for the COSJSJ11A Resignation Reviewable Rualifiers:	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	al and Biologi	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	chronic 0.02(T) TVS TVS
eviewable Qualifiers: Other:	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2)	al and Biologi	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T)	chronic 0.02(T) TVS TVS TVS TVS
eviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	al and Biologi	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	chronic 0.02(T) TVS TVS TVS TVS TVS TVS
eviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL)	al and Biologi	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS VS TVS TVS TVS
eviewable aualifiers: https://www.nemporary.ex.edu/	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL)	5/1 - 10/31 11/1 - 4/30	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126 630 chronic	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	chronic 0.02(T) TVS TVS TVS VS 4000(T) TVS
eviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL)	5/1 - 10/31 11/1 - 4/30	withe confluence ical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126 630 chronic TVS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS
eviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL)	5/1 - 10/31 11/1 - 4/30	withe confluence ical DM WS-II acute 6.5 - 9.0 L) acute	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS TVS STVS TVS WS 1000(T) TVS TVS WS
eviewable aualifiers: https://www.nemporary.ex.edu/	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL)	5/1 - 10/31 11/1 - 4/30	withe confluence ical DM WS-II acute 6.5 - 9.0 L) acute TVS	MWAT WS-II chronic 5.0 126 630 chronic TVS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t)
except for the COSJSJ11A Designation Reviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL) Ammonia Boron	5/1 - 10/31 11/1 - 4/30	whe conflue ical DM WS-II acute 6.5 - 9.0 L) acute TVS	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS VS US 0.01(t) 160(T)
eviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point immed and 9b. Physica Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride	5/1 - 10/31 11/1 - 4/30	withe confluence ical DM WS-II acute 6.5 - 9.0 L) acute TVS	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS TVS US 0.01(t) TVS
eviewable Rualifiers: Other: Cemporary Marsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn 9a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine	5/1 - 10/31 11/1 - 4/30	# the conflue Confluence	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
eviewable aualifiers: https://www.nemporary.ex.edu/	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide	5/1 - 10/31 11/1 - 4/30	# the conflue ical	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS SOURCE TVS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
esignation eviewable ualifiers: ther: emporary M rsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate	5/1 - 10/31 11/1 - 4/30	the conflue ical DM WS-II acute 6.5 - 9.0 L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS S 1000(T) TVS TVS TVS US 0.01(t) 160(T) TVS TVS TVS TVS TVS TVS
esignation eviewable ualifiers: emporary M rsenic(chron	specific listings in S Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Indiffication(s): iic) = hybrid	5/1 - 10/31	wetlands, from a point imn a and 9b. Physic Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	5/1 - 10/31 11/1 - 4/30	the confluence ical DM WS-II acute 6.5 - 9.0 L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	Metals (ug/L) acute 340 TVS(tr) 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS TVS US 0.01(t) TVS

7. Hatcher Re	servoir, Stevens Res	servoir, Sullenbug	er Reservoir, Village Lake	and Forest Lal	ke.				
COSJPI07	Classifications		Physic	al and Biologi	cal			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	0.02(T)
	Recreation N	12/1 - 3/1	D.O. (mg/L)			5.0	Beryllium		
	Water Supply		pН		6.5 - 9.0		Cadmium	TVS	TVS
Qualifiers:			chlorophyll a (mg/m2)				Chromium III	50(T)	TVS
Other:			E. Coli (per 100 mL)	3/2 - 11/30		126	Chromium VI	TVS	TVS
Temporary M	lodification(s):		E. Coli (per 100 mL)	12/1 - 3/1		630	Copper	TVS	TVS
Arsenic(chron	ic) = hybrid						Iron		ws
Expiration Date	te of 12/31/2021		ı	norganic (mg/l	L)		Iron		1000(T)
					acute	chronic	Lead	TVS	TVS
			Ammonia		TVS	TVS	Manganese	TVS	TVS
			Boron			0.25	Manganese		ws
			Chloride			250	Mercury		0.01(t)
			Chlorine		0.019	0.011	Molybdenum		160(T)
			Cyanide		0.005		Nickel	TVS	TVS
			Nitrate		10		Selenium	TVS	TVS
			Nitrite			0.5	Silver	TVS	TVS
			Phosphorus				Uranium		
			Sulfate			WS	Zinc	TVS	TVS
			Sulfide			0.002			

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	0.02(T)
	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		Chromium III	50(T)	TVS
emporary M	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Dat	te of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Animas and Florida River Basins

COSJAF03B	Classifications		Physic	al and Biologic	cal			Metals (ug/L)	
Designation	Recreation E	5/15 - 9/10			DM	MWAT		acute	chronic
JP	Recreation N	9/11 - 5/14					Aluminum		
Qualifiers:					acute	chronic	Arsenic		
Other:			D.O. (mg/L)			3.0	Beryllium		
emporany M	odification(s):		pH		6.0-9.0		Cadmium		
	:h) = current conditi	on	chlorophyll a (mg/m²)				Chromium III		
,	= current condition		E. Coli (per 100 mL)	5/15 - 9/10		126	Chromium VI		
,	current condition		E. Coli (per 100 mL)	9/11 - 5/14		630	Copper		
xpiration Dat	e of 12/31/2017						Iron		
The concentr	ation of dissolved a	luminum, cadmium,	ı	norganic (mg/L	.)		Lead		
opper, iron, le	ead, manganese, ar	nd zinc that is			acute	chronic	Manganese		
	d maintaining and a rds established for s		Ammonia				Mercury		
b.		3	Boron				Molybdenum		
			Chloride				Nickel		
			Chlorine				Selenium		
			Cyanide				Silver		
			Nitrate				Uranium		
			Nitrite				Zinc		
			Phosphorus						
			Sulfate						
			Sulfide						

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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
ualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
emporary Me	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
rsenic(chroni	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Dat	e of 12/31/2021				Iron		WS
		Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Zinc		TVS(sc)

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Animas and Florida River Basins

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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Water + Fish	Ingestion Standards	рН	6.5 - 9.0		Chromium III	50(T)	TVS
Other:		chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Arsenic(chron	ic) = hybrid				Iron		WS
Expiration Dat	te of 12/31/2021	Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

esignation Ag eviewable Aq Re Wa ualifiers: ther: emporary Modifiersenic(chronic) =	= hybrid	Physical and I Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2)	DM CLL acute 6.5 - 9.0	MWAT CLL chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium	Metals (ug/L) acute 340 TVS(tr)	chronic 0.02(T) TVS
eviewable Aq Re Wa ualifiers: ther: emporary Modif rsenic(chronic) =	up Life Cold 1 ecreation E /ater Supply ification(s): = hybrid	D.O. (mg/L) D.O. (spawning) pH	acute	chronic 6.0 7.0	Arsenic Beryllium	340 	0.02(T)
walifiers: hther: emporary Modifiersenic(chronic) =	fater Supply ification(s): = hybrid	D.O. (mg/L) D.O. (spawning) pH		6.0 7.0	Beryllium		
tualifiers: other: emporary Modifiers rsenic(chronic) =	ification(s): = hybrid	D.O. (spawning) pH		7.0	*		
other: emporary Modif rsenic(chronic) =	= hybrid	pH			Cadmium	TVS(tr)	TVS
emporary Modif rsenic(chronic) =	= hybrid		6.5 - 9.0				
rsenic(chronic) =	= hybrid	chlorophyll a (mg/m2)			Chromium III	50(T)	TVS
•					Chromium VI	TVS	TVS
vniration Date of		E. Coli (per 100 mL)		126	Copper	TVS	TVS
Apiration Date of	of 12/31/2021				Iron		WS
		Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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

COSJLP02B	Classifications		Physica	al and Biolog	gical			Metals (ug/L)	
	Agriculture		1,		DM	MWAT		acute	chronic
Reviewable	Ag Life Warm 1		Temperature °C		WS-II	WS-II	Aluminum		
	Recreation E	5/1 - 10/31	Tomporatore e		acute	chronic	Arsenic	340	0.02(T)
	Recreation P	11/1 - 4/30	D.O. (mg/L)			5.0	Beryllium		
	Water Supply		pH		6.5 - 9.0		Cadmium	TVS	TVS
Qualifiers:			chlorophyll a				Chromium III	50(T)	TVS
Other:			E. Coli (per 100 mL)	5/1 - 10/31		126	Chromium VI	TVS	TVS
	lodification(s):		E. Coli (per 100 mL)			205	Copper	TVS	TVS
Arsenic(chron			2. co (po. 1002)	,, ., .,		200	Iron		WS
	te of 12/31/2021		In	organic (mg	d/1 \		Iron		1000(T)
	<u> </u>			organic (ing	acute	chronic	Lead	TVS	TVS
*Southern Ute	e Indian Reservation	n	Ammonio		TVS	TVS	Manganese	TVS	TVS
			Ammonia						WS
			Boron			0.75	Manganese		
			Chloride		0.010	250	Mercury		0.01(t)
			Chlorine		0.019	0.011	Molybdenum		160(T)
			Cyanide		0.005		Nickel	TVS	TVS
			Nitrate		10		Selenium	TVS	TVS
			Nitrite			0.05	Silver	TVS	TVS
			Phosphorus				Uranium		
			Sulfate			WS	Zinc	TVS	TVS
confluence wit	ith Mancos River.	er from Hwy 16				0.002	on and mainstem of We		ource to
confluence wit	th Mancos River. Classifications	er from Hwy 16	60 to the boundary of t	he Ute Moun	itain Indian gical	Reservatio		Metals (ug/L)	
confluence wit COSJLP05A Designation	Classifications Agriculture	er from Hwy 16	60 to the boundary of t		itain Indian gical DM	Reservatio MWAT	1		ource to
confluence wit COSJLP05A Designation	Classifications Agriculture Aq Life Warm 1	,	60 to the boundary of t		otain Indian gical DM WS-II	Reservation MWAT WS-II	Aluminum	Wetals (ug/L) acute	chronic
confluence wit COSJLP05A Designation	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E	5/1 - 10/31	60 to the boundary of t Physica Temperature °C		otain Indian gical DM WS-II acute	MWAT WS-II chronic	Aluminum Arsenic	Metals (ug/L) acute 340	chronic
confluence wit	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N	,	Physica Temperature °C D.O. (mg/L)		gical DM WS-II acute	MWAT WS-II chronic 5.0	Aluminum Arsenic Beryllium	Metals (ug/L) acute 340	chronic 0.02(T)
confluence wit COSJLP05A Designation Reviewable	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E	5/1 - 10/31	Temperature °C D.O. (mg/L) pH		otain Indian gical DM WS-II acute	MWAT WS-II chronic 5.0	Aluminum Arsenic Beryllium Cadmium	Metals (ug/L) acute 340 TVS	chronic 0.02(T) TVS
confluence wit COSJLP05A Designation Reviewable Qualifiers:	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a	al and Biolo	gical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	Aluminum Arsenic Beryllium Cadmium Chromium III	Metals (ug/L) acute 340 TVS 50(T)	chronic 0.02(T) TVS
confluence wit COSJLP05A Designation Reviewable Qualifiers: Other:	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a	al and Biolog	gical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	Metals (ug/L) acute 340 TVS 50(T) TVS	chronic 0.02(T) TVS TVS
confluence wit COSJLP05A Designation Reviewable Qualifiers: Other: Temporary M	Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a	al and Biolog	gical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a (ma/m2) E. Coli (per 100 mL)	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	Metals (ug/L) acute 340 TVS 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS WS
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a (ma/m2) E. Coli (per 100 mL)	al and Biolog	gical DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 126 630	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	Metals (ug/L) acute 340 TVS 50(T) TVS TVS	chronic 0.02(T) TVS TVS TVS TVS WS 1000(T)
CONSULPOSA Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a [max/m2] E. Coli (per 100 mL) In	5/1 - 10/31 11/1 - 4/30	matain Indian gical DM WS-II acute 6.5 - 9.0 y/L) acute	MWAT WS-II chronic 5.0 126 630 chronic	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	Metals (ug/L) acute 340 TVS 50(T) TVS TVS TVS	chronic 0.02(T) TVS TVS TVS VS TVS TVS VS
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a (ma/m²) E. Coli (per 100 mL) In Ammonia	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 y/L) acute TVS	MWAT WS-II chronic 5.0 126 630 chronic TVS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	Metals (ug/L) acute 340 TVS 50(T) TVS TVS TVS TVS TVS	chronic 0.02(T) TVS TVS TVS TVS TVS TVS TVS T
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) In Ammonia Boron	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 y/L) acute TVS	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	Metals (ug/L) acute 340 TVS 50(T) TVS TVS TVS TVS TVS TVS	chronic 0.02(T) TVS TVS TVS SUS TVS TVS TVS WS TVS WS TVS WS
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a [ma/m²] E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 g/L) acute TVS	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	Metals (ug/L) acute 340 TVS 50(T) TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t)
CONFLUENCE WITCONSTRUCTION CONTROL WITCONSTRUCTION CON	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a (ma/lm2) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 g/L) acute TVS 0.019	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	Metals (ug/L) acute 340 TVS 50(T) TVS TVS TVS TVS TVS TVS	Chronic 0.02(T) TVS TVS TVS TVS S TVS US 1000(T) TVS VS US 0.01(t) 160(T)
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a (mo/m²) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 y/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	Metals (ug/L) acute 340 TVS 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS S TVS US 1000(T) TVS US 0.01(t) 160(T) TVS
CONFLUENCE WITCONSTRUCTION CONTROL OF THE CONTROL OF T	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a (ma/m²) E. Coli (per 100 mL) E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 1/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	Metals (ug/L) acute 340 TVS 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
CONFLUENCE WITCONSTRUCTION CONTROL WITCONSTRUCTION CON	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a [E. Coli (per 100 mL)] E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 y/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	Metals (ug/L) acute 340 TVS 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS TVS S TVS US 1000(T) TVS US 0.01(t) 160(T) TVS
confluence with COSJLP05A Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a [E. Coli (per 100 mL)] E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 1/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	Wetals (ug/L) acute 340 TVS 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS VS 0.01(t) 160(T) TVS TVS TVS
CONFLUENCE WITCONSTRUCTION CONTROL WITCONSTRUCTION CON	th Mancos River. Classifications Agriculture Aq Life Warm 1 Recreation E Recreation N Water Supply Addification(s): aic) = hybrid	5/1 - 10/31	Physica Temperature °C D.O. (mg/L) pH chlorophyll a [E. Coli (per 100 mL)] E. Coli (per 100 mL) In Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	5/1 - 10/31 11/1 - 4/30	gical DM WS-II acute 6.5 - 9.0 g/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 126 630 chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	Metals (ug/L) acute 340 TVS 50(T) TVS	Chronic 0.02(T) TVS TVS TVS TVS SUS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS

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

COSJLP07A	Classifications	Physical and I	Biological		N	letals (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	7.6(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium		
Other:		pH	6.5 - 9.0		Cadmium	TVS	TVS
Temporary M	Modification(s):	chlorophyll a (mg/m²)			Chromium III	TVS	TVS
Ammonia(chr	* *	E. Coli (per 100 mL)		126	Chromium III		100(T)
,	ute) = old TVS	Inorgani	c (mg/L)		Chromium VI	TVS	TVS
Expiration Da	ate of 6/30/2018		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron		2200(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride			Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury		0.01(t)
		Cyanide	0.005		Molybdenum		160(T)
		Nitrate	100		Nickel	TVS	TVS
		Nitrite		0.05	Selenium	TVS	TVS
		Phosphorus			Silver	TVS	TVS
		Sulfate			Uranium		
		Sulfide		0.002	Zinc	TVS	TVS

COSJLP08C	Classifications	Physical and	Biological		N	letals (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	100(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium		
Other:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium III	TVS	TVS
	1 /	E. Coli (per 100 mL)		126	Chromium III		100(T)
conditions	monia(ac/ch) = current	Inorgani	c (mg/L)		Chromium VI	TVS	TVS
expiration Dai	ie 0f 6/30/2018		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron		1000(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride			Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury		0.01(t)
		Cyanide	0.005		Molybdenum		160(T)
		Nitrate	100		Nickel	TVS	TVS
		Nitrite		0.05	Selenium	TVS	TVS
		Phosphorus			Silver	TVS	TVS
		Sulfate			Uranium		
		Sulfide		0.002	Zinc	TVS	TVS

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

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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	lodification(s):	chlorophyll a			Chromium VI	TVS	TVS
Arsenic(chror	nic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Da	te of 12/31/2021				Iron		WS
		Inorganic (mg/L)			Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

 All tributarie 	00 to the Bole 00 1 11 of an						
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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	lodification(s):	chlorophyll a			Chromium VI	TVS	TVS
Arsenic(chron	nic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021				Iron		WS
		Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
i		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS(sc)
		Sulfide		0.002			- (/
2 Mainstem o	of the Dolores River from	the source to a point immediately ah	ove the confluer	oce with Hor	rsa Creek		
COSJDO02	Classifications	the source to a point immediately ab Physical and	Biological			Metals (ug/L)	
COSJDO02 Designation	Classifications Agriculture	Physical and	Biological DM	MWAT		Metals (ug/L) acute	chronic
COSJDO02 Designation	Classifications Agriculture Aq Life Cold 1		Biological DM CS-I	MWAT CS-I	Aluminum	acute	
COSJDO02 Designation	Agriculture Aq Life Cold 1 Recreation E	Physical and Temperature °C	Biological DM CS-I acute	MWAT CS-I chronic	Aluminum Arsenic	acute 340	
COSJDO02 Designation Reviewable	Classifications Agriculture Aq Life Cold 1	Physical and Temperature °C D.O. (mg/L)	Biological DM CS-I acute	MWAT CS-I chronic 6.0	Aluminum Arsenic Beryllium	acute 340 	0.02(T)
COSJDO02 Designation Reviewable Qualifiers:	Agriculture Aq Life Cold 1 Recreation E	Physical and Temperature °C D.O. (mg/L) D.O. (spawning)	Biological DM CS-I acute	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium	acute 340 TVS(tr)	0.02(T) TVS
COSJDO02 Designation Reviewable Qualifiers: Other:	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH	DM CS-I acute 6.5 - 9.0	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III	acute 340 TVS(tr) 50(T)	 0.02(T) TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M	Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a	Biological DM CS-I acute 6.5 - 9.0	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	acute 340 TVS(tr) 50(T) TVS	 0.02(T) TVS TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-I acute 6.5 - 9.0	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL)	Biological DM CS-I acute 6.5 - 9.0	MWAT CS-I chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS WS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL)	Biological	MWAT CS-I chronic 6.0 7.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T)
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/m2) E. Coli (per 100 mL)	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute	MWAT CS-I chronic 6.0 7.0 126 chronic	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	acute 340 TVS(tr) 50(T) TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL) Inorgani	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CS-I chronic 6.0 7.0 126 chronic TVS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL) Inorgani Ammonia Boron	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS VS TVS VS 1000(T) TVS VS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Mercury	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS VS TVS WS 1000(T) TVS VS WS 0.01(t)
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/ma) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T)
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/ma) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	### acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS VS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) PH chlorophyll a (mg/m²) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	### acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/ma) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CS-I chronic 6.0 7.0 126 Chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	### Acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/mg) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CS-I chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011 0.05 WS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	### acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS
COSJDO02 Designation Reviewable Qualifiers: Other: Temporary M Arsenic(chron	Classifications Agriculture Aq Life Cold 1 Recreation E Water Supply	Physical and Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (ma/ma) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	Biological DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	MWAT CS-I chronic 6.0 7.0 126 Chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	### Acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS TVS

COSJDO03		· 1		point immediately above the confluence with Bear Cree			
	Classifications	Physical and				Metals (ug/L)	
	Agriculture		DM	MWAT		acute	chronic
	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS	TVS
Other:		pH	6.5 - 9.0		Chromium III	TVS	TVS
	odification(s):	chlorophyll a			Chromium III	50(T)	
Arsenic(chroni		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
expiration Dat	te of 12/31/2021				Copper	TVS	TVS
		Inorgan	ic (mg/L)		Iron		WS
			acute	chronic	Iron		1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Manganese	TVS	255
		Chloride		250	Manganese		TVS
		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			Silver	TVS	TVS
		Sulfate		WS	Uranium		
		Sulfide		0.002	Zinc	TVS	TVS
COSJDO04A	Classifications	Physical and	Dielogical				
Designation			Біоіодісаі			Metals (ug/L)	
Reviewable	Agriculture		DM	MWAT		Metals (ug/L) acute	chronic
	Aq Life Cold 1	Temperature °C		MWAT CS-II	Aluminum		chronic
	Aq Life Cold 1 Recreation E	Temperature °C	DM			acute	chronic 0.02(T)
	Aq Life Cold 1	Temperature °C D.O. (mg/L)	DM CS-II	CS-II	Aluminum	acute	
Qualifiers:	Aq Life Cold 1 Recreation E	·	DM CS-II acute	CS-II chronic	Aluminum Arsenic	acute 340	
	Aq Life Cold 1 Recreation E	D.O. (mg/L) D.O. (spawning) pH	DM CS-II acute	CS-II chronic 6.0	Aluminum Arsenic Beryllium	acute 340	0.02(T)
Other: Temporary M	Aq Life Cold 1 Recreation E Water Supply odification(s):	D.O. (mg/L) D.O. (spawning)	DM CS-II acute 	chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium	acute 340 TVS(tr) 50(T) TVS	 0.02(T) TVS TVS
Other: Femporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute 6.5 - 9.0	CS-II chronic 6.0 7.0	Aluminum Arsenic Beryllium Cadmium Chromium III	acute 340 TVS(tr) 50(T)	0.02(T) TVS TVS
Other: Temporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s):	D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute 6.5 - 9.0	CS-II chronic 6.0 7.0 	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI	acute 340 TVS(tr) 50(T) TVS	 0.02(T) TVS TVS
Other: Femporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute 6.5 - 9.0	CS-II chronic 6.0 7.0 	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS
Other: Femporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute 6.5 - 9.0	CS-II chronic 6.0 7.0 	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS TVS WS
Other: Temporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a	DM CS-II acute 6.5 - 9.0 	CS-II chronic 6.0 7.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T)
Other: Temporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (E. Coli (per 100 mL)	DM	CS-II chronic 6.0 7.0 126	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	acute 340 TVS(tr) 50(T) TVS TVS TVS	0.02(T) TVS TVS TVS TVS TVS TVS TVS TVS TVS
Other: Temporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (max/max) E. Coli (per 100 mL) Inorgani	DM	CS-II chronic 6.0 7.0 126 chronic TVS	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	0.02(T) TVS
Other: emporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mo(no) E. Coli (per 100 mL) Inorgani Ammonia Boron	DM CS-II acute 6.5 - 9.0 ic (mg/L) acute TVS	CS-II chronic 6.0 7.0 126 chronic TVS 0.75	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS TVS TVS TVS WS 1000(T) TVS TVS WS
Other: emporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride	DM	CS-II chronic 6.0 7.0 126 chronic TVS 0.75 250	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Mercury	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS TVS SS TVS WS 1000(T) TVS TVS WS 0.01(t)
Other: Temporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	DM	CS-II chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS S TVS WS 1000(T) TVS TVS WS 0.01(t)
Other: Temporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a (E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	DM	CS-II chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS TVS WS 0.01(t) 160(T) TVS
Other: emporary Management Meanic	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate	DM CS-II acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-II chronic 6.0 7.0 126 chronic TVS 0.75 250 0.011	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
Arsenic(chroni	Aq Life Cold 1 Recreation E Water Supply odification(s): ic) = hybrid	D.O. (mg/L) D.O. (spawning) pH chlorophyll a E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	DM CS-II acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-II chronic 6.0 7.0 126 Chronic TVS 0.75 250 0.011 0.05	Aluminum Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS

COSJDO04B	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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a			Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	e of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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; mainstem of Beaver Creek (including Plateau Creek) from the source to the confluence with the Dolores River.

COSJDO05A	Classifications	Physical and Bi	ological			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(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary Me	odification(s):	chlorophyll a			Chromium VI	TVS	TVS
Arsenic(chroni	c) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	e of 12/31/2021				Iron		WS
*Zinc(chronic)	= Chronic zinc sculpin standard	Inorganic	(mg/L)		Iron		1000(T)
	er Creek and Fish Creek.		acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS(sc)*
		Sulfide		0.002			

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	0.02(T)			
	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		Chromium III	50(T)	TVS			
Temporary M	odification(s):	chlorophyll a			Chromium VI	TVS	TVS			
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS			
Expiration Dat	e of 12/31/2021				Iron		WS			
		Inorgan	ic (mg/L)		Iron		1000(T)			
			acute	chronic	Lead	TVS	TVS			
		Ammonia	TVS	TVS	Manganese	TVS	TVS			
		Boron		0.75	Manganese		WS			
		Chloride		250	Mercury		0.01(t)			
		Chlorine	0.019	0.011	Molybdenum		160(T)			
		Cyanide	0.005		Nickel	TVS	TVS			
		Nitrate	10		Selenium	TVS	TVS			
		Nitrite		0.05	Silver	TVS	TVS(tr)			
		Phosphorus			Uranium					
		Sulfate		WS	Zinc	TVS	TVS(sc)			
		Sulfide		0.002						

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
Cd	TVS	TVS	TVS	3.5	2.2	TVS	TVS	TVS	TVS	TVS	TVS	TVS
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
рН	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	ОСТ	NOV	DEC
рН	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						
Fe	3420	3800	4370	3370	3150	2210	2275	2280	3020	3580	3620	3490
Zn	TVS	TVS	TVS	TVS	230	TVS						

EXHIBIT 4 WATER QUALITY CONTROL DIVISION

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

. . .

35.44 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER</u> 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

No action: The Commission took no action on the temporary modifications on the following segments since they will be addressed in the basin wide hearing in June 2017.

Upper Gunnison segment 12: Temporary modification of the cadmium, copper and zinc standards (expire 12/31/2017).

Uncompanded segment 4b: Temporary modification of the selenium standards (expire 12/31/2017).

New Temporary Modifications of the Arsenic Standard:

Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on segments on the following list, with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from a December 13, 2011 hearing that an initial reasonable lower limit of treatment technology for arsenic is 3.0 µg/L, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the underlying uncertainty is resolved, if there is a temporary modification on the segment that is the

receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

Upper Gunnison segment 15b
Upper Gunnison semgent 38
North Fork segment 3
Uncompahgre segment 1
Uncompahgre segment 3c
Uncompahgre segment 3f
Uncompahgre segment 4a
Uncompahgre segment 4b
Uncompahgre segment 10
Uncompahgre segment 11
Lower Gunnison segment 7b
San Miguel segment 8
Lower Dolores segment 1a
Lower Dolores segment 2

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 06/30/201617

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 below the Crested Butte Water Supply intake which is above the confluence with the Mount Emmons/Red Lady Basin drainage to the confluence with the Slate River, with the exception of Wildcat Creek. COGUUG12 **Physical and Biological** Classifications Metals (ug/L) DM MWAT Designation chronic Agriculture acute Aq Life Cold 1 Reviewable CS-I CS-I Temperature °C Aluminum Recreation E acute chronic Arsenic 340 0.02(T) Water Supply D.O. (mg/L) 6.0 Beryllium Qualifiers: D.O. (spawning) TVS(tr) TVS 7.0 Cadmium Other: рΗ 6.5 - 9.0 ---Chromium III 50(T) TVS chlorophyll a (mg/m²) Chromium VI **TVS TVS** Temporary Modification(s): E. Coli (per 100 mL) 126 TVS TVS Copper Arsenic(chronic) = hybrid Iron WS Expiration Date of 12/31/2021 1000(T) Cadmium(chronic) = 2.1 Inorganic (mg/L) Iron Copper(chronic) = current conditions Lead TVS TVS chronic acute Zinc(chronic) = 440 Ammonia TVS TVS Manganese TVS 191 Expiration Date of 12/31/2017 TVS Boron 0.75 Manganese Mercury 0.01(t) Chloride 250 Chlorine 0.019 0.011 Molybdenum 160(T) Nickel TVS TVS Cyanide 0.005 Selenium TVS TVS Nitrate 10 Silver TVS TVS(tr) Nitrite 0.05 Phosphorus Uranium ---------

> Sulfate Sulfide

COGUUG15E	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	0.02(T)	
	Water Supply	D.O. (mg/L)		6.0	Beryllium			
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS	TVS	
Other:		pH	6.5 - 9.0		Chromium III	50(T)	TVS	
Temporary M	lodification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS	
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration Dat	te of 12/31/2021				Iron		WS	
		Inorgan	ic (mg/L)		Iron		1000(T)	
			acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron		0.75	Manganese		WS	
		Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS	
		Phosphorus			Uranium			
		Sulfate		WS	Zinc	TVS	TVS	
		Sulfide		0.002				

See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

Zinc

ws

0.002

TVS

TVS

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Gunnison River Basin

COGUUG38	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	0.02(T)		
	Water Supply	D.O. (mg/L)		6.0	Beryllium				
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS		
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS		
	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS		
rsenic(chron	<u>ic) = hybrid</u> e of 12/31/2021	E. Coli (per 100 mL)		126	Copper	TVS	TVS		
Apiration Dat	<u>e or 12/31/2021</u>				Iron		WS		
		Inorgan	ic (mg/L)		Iron		1000(T)		
			acute	chronic	Lead	TVS	TVS		
		Ammonia	TVS	TVS	Manganese	TVS	TVS		
		Boron		0.75	Manganese		WS		
		Chloride		250	Mercury		0.01(t)		
		Chlorine	0.019	0.011	Molybdenum		160(T)		
		Cyanide	0.005		Nickel	TVS	TVS		
		Nitrate	10		Selenium	TVS	TVS		
		Nitrite		0.05	Silver	TVS	TVS(tr)		
		Phosphorus			Uranium				
		Sulfate		WS	Zinc	TVS	TVS		
		Sulfide		0.002					

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS North Fork of the Gunnison River Basin

3. Mainstem o	of North Fork of the 0	Gunnison River fro	m the Black Bridge (41.75	Drive) above P	aonia to the	confluence v	with the Gunnison Rive	er.	
COGUNF03	Classifications		Physic	al and Biologi	cal			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 - 9/30			acute	chronic	Arsenic	340	0.02(T)
	Recreation P	10/1 - 3/31	D.O. (mg/L)			6.0	Beryllium		
	Water Supply		D.O. (spawning)			7.0	Cadmium	TVS(tr)	TVS
Qualifiers:			рН		6.5 - 9.0		Chromium III	50(T)	TVS
Other:			chlorophyll a (mg/m2)				Chromium VI	TVS	TVS
Temporary M	lodification(s):		E. Coli (per 100 mL)	4/1 - 9/30		126	Copper	TVS	TVS
Arsenic(chron	ic) = hybrid		E. Coli (per 100 mL)	10/1 - 3/31		205	Iron		WS
Expiration Date	te of 12/31/2021		li li	norganic (mg/l	L)		Iron		1000(T)
					acute	chronic	Lead	TVS	TVS
			Ammonia		TVS	TVS	Manganese	TVS	TVS
			Boron			0.75	Manganese		WS
			Chloride			250	Mercury		0.01(t)
			Chlorine		0.019	0.011	Molybdenum		160(T)
			Cyanide		0.005		Nickel	TVS	TVS
			Nitrate		10		Selenium	TVS	TVS
			Nitrite			0.05	Silver	TVS	TVS(tr)
			Phosphorus				Uranium		
			Sulfate			WS	Zinc	TVS	TVS
			Sulfide			0.002			

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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	e of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

COGUUN03C	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(T)	
	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		Chromium III	50(T)	TVS	
Temporary M	lodification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS	
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration Da	te of 12/31/2021				Iron		WS	
		Inorgan	ic (mg/L)		Iron		2682(T)	
			acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron		0.75	Manganese		WS	
		Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS(tr)	
		Phosphorus			Uranium			
		Sulfate		WS	Zinc	TVS	TVS	
		Sulfide		0.002				

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

t = total

tr = troutsc = 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.

OGUUN03F Classifications	Physical and	Biological			Metals (ug/L)	
esignation Agriculture		DM	MWAT		acute	chronic
eviewable Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum		
Recreation E		acute	chronic	Arsenic	340	0.02(T)
Water Supply	D.O. (mg/L)		6.0	Beryllium		
ualifiers:	D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:	рН	6.5 - 9.0		Chromium III	50(T)	TVS
emporary Modification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
rsenic(chronic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Date of 12/31/2021				Iron		WS
	Inorganic (mg/L)			Iron		1000(T)
		acute	chronic	Lead	TVS	TVS
	Ammonia	TVS	TVS	Manganese	TVS	TVS
	Boron		0.75	Manganese		WS
	Chloride		250	Mercury		0.01(t)
	Chlorine	0.019	0.011	Molybdenum		160(T)
	Cyanide	0.005		Nickel	TVS	TVS
	Nitrate	10		Selenium	TVS	TVS
	Nitrite		0.05	Silver	TVS	TVS(tr)
	Phosphorus			Uranium		
	Sulfate		WS	Zinc	TVS	TVS
	Sulfide		0.002			

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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)			Chromium III	50(T)	TVS
emporary M	odification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	Inorgan	ic (mg/L)		Copper	TVS	TVS
xpiration Dat	te of 12/31/2021		acute	chronic	Iron		WS
		Ammonia	TVS	TVS	Iron		1000(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus			Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS

COGUUN	04B Classifications	Physical and	Biological			Metals (ug/L)	
Designation	on Agriculture		DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation P		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers	:	рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m²)			Chromium III	50(T)	TVS
Temporary	y Modification(s):	E. Coli (per 100 mL)		205	Chromium VI	TVS	TVS
	chronic) = current condition	Inorgan	ic (mg/L)		Copper	TVS	TVS
Expiration	Date of 12/31/2017		acute	chronic	Iron		WS
Arsenic(ch	nronic) = hybrid	Ammonia	TVS	TVS	Iron		1800(T)
Expiration	Date of 12/31/2021	Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus			Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS

COGUUN10	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	0.02(T)	
	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		Chromium III	50(T)	TVS	
Temporary M	lodification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS	
Arsenic(chron	nic) = hybrid	E. Coli (per 100 mL)		205	Copper	TVS	TVS	
Expiration Da	te of 12/31/2021				Iron		WS	
		Inorgani	ic (mg/L)		Iron		1000(T)	
			acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron		0.75	Manganese		WS	
		Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS(tr)	
		Phosphorus			Uranium			
		Sulfate		WS	Zinc	TVS	TVS	
		Sulfide		0.002	Zinc		TVS(sc)	

sc = sculpin

See 35.6 for details on TVS, TVS(tr), TVS(sc), WS, temperature standards.

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, including all tributaries, 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 Biologi	cal			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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		205	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021				Iron		WS
		Inorganic (mg/l	L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		ws
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			
1							

sc = sculpin

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Gunnison Basin

7b. Mainstem of Surface Creek from the point of diversion of water supply 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 Youngs Creek.

COGULG07B	Classifications	Physical and I	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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		205	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021				Iron		WS
		Inorgani	c (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Zinc		TVS(sc)

sc = sculpin

COGUSM08	Classifications	Physical and	Biological			Metals (ug/L)	
esignation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
ualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pH	6.5 - 9.0		Chromium III	50(T)	TVS
emporary M	lodification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
xpiration Da	te of 12/31/2021				Iron		WS
		Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	80
		Boron		0.75	Manganese		TVS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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	Physic	cal and Biologi	cal			Metals (ug/L)	
Designation	Agriculture			DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	11/1 - 3/22	13	9	Aluminum		
	Recreation E	Temperature °C	3/23 - 10/31	26.6	23.8	Arsenic	340	0.02(T)
	Water Supply					Beryllium		
Qualifiers:				acute	chronic	Cadmium	TVS(tr)	TVS
Other:		D.O. (mg/L)			6.0	Chromium III	50(T)	TVS
Temporary Me	odification(s):	D.O. (spawning)			7.0	Chromium VI	TVS	TVS
Arsenic(chroni	ic) = hybrid	pН		6.5 - 9.0		Copper	TVS	TVS
Expiration Dat	e of 12/31/2021	chlorophyll a (mg/m2)				Iron		WS
		E. Coli (per 100 mL)			126	Iron		1000(T)
						Lead	TVS	TVS
		ı	norganic (mg/l	_)		Manganese	TVS	TVS
				acute	chronic	Manganese		WS
		Ammonia		TVS	TVS	Mercury		0.01(t)
		Boron			0.75	Molybdenum		160(T)
		Chloride			250	Nickel	TVS	TVS
		Chlorine		0.019	0.011	Selenium	TVS	TVS
		Cyanide		0.005		Silver	TVS	TVS(tr)
		Nitrate		10		Uranium	TVS	16.8-30(T) A
		Nitrite			0.05	Zinc	TVS	TVS
		Phosphorus						
		Sulfate			WS			
		Sulfide			0.002			

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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)			Chromium III	50(T)	TVS
emporary M	odification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
vrsenic(chronic) = hybrid expiration Date of 12/31/2021		Inorgan	ic (mg/L)		Copper	TVS	TVS
			acute	chronic	Iron		WS
	Ammonia	TVS	TVS	Iron		1000(T)	
		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.5	Nickel	TVS	TVS
		Phosphorus			Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium	TVS	16.8-30(T)
					Zinc	TVS	TVS

sc = sculpin

EXHIBIT 5 WATER QUALITY CONTROL DIVISION

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

. . . .

36.39 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

Temporary modifications of standards on Rio Grande segment 4a and segment 7 which expire 12/31/2018, were reviewed. The Commission took no action on the temporary modifications on these two segments impacted by the historic Creede mining district. Both the town of Creede and Rio Grande Silver continue to make progress on resolving the uncertainty.

New Temporary Modifications of the Arsenic Standard, Closed Basin segment 3. Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on this segment with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from a December 13, 2011 hearing that an initial reasonable lower limit of treatment technology for arsenic is 3.0 µg/L, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the underlying uncertainty is resolved, if there is a temporary modification on the segment that is the receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

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 06/30/201617

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	Aluminum			
	Recreation E		acute	chronic	Arsenic	340	0.02(T)	
	Water Supply	D.O. (mg/L)		6.0	Beryllium			
Qualifiers:		D.O. (spawning)		7.0	Cadmium	varies*	varies*	
Other:		pН	6.5 - 9.0		Chromium III	50(T)	TVS	
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium VI	TVS	TVS	
Arsenic(chronic) = hybrid		E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration Date of 12/31/2021					Iron		WS	
Cadmium(chronic) = current condition		Inorganic (mg/L)			Iron		1000(T)	
Lead(chronic) = current condition			acute	chronic	Lead	TVS	varies*	
Zinc(chronic) =	= current condition	Ammonia	TVS	TVS	Manganese	TVS	varies*	
Ammonia(ac/ch) = current condition Expiration Date of 12/31/2018		Boron		0.75	Mercury		0.01(T)	
		Chloride		250	Molybdenum		160(T)	
standards and assessment locations. *Cadmium(chronic) = See 36.6(4) for site-specific standards and assessment locations. *Lead(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. *Zinc(acute) = See 36.6(4) for site-specific standards		Chlorine	0.019	0.011	Nickel	TVS	TVS	
		Cyanide	0.005		Selenium	TVS	TVS	
		Nitrate	10		Silver	TVS	TVS(tr)	
		Nitrite		0.05	Uranium			
		Phosphorus			Zinc	varies*	varies*	
		Sulfate		WS				
	ent locations. = See 36.6(4) for site-specific I assessment locations.	Sulfide		0.002				

tr = trout

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 W	est Willow Creeks, to the confluence w	ith the Rio Grande.						
CORGRG07	Classifications	Physical and Bio	ological			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:		D.O. (spawning)		7.0	Cadmium	varies*	varies*	
Temporary M	lodification(s):	рН	6.5 - 9.0		Chromium III	TVS	TVS	
Cadmium(ac/	* *	chlorophyll a (mg/m²)		150*	Chromium III		100(T)	
Copper(ac/ch	,	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS	
Lead(ac/ch) =	varies*				Copper	varies*	varies*	
Silver(acute) :	= varies*	Inorganic ((mg/L)		Iron		1000(T)	
Zinc(ac/ch) =	varies*		acute	chronic	Lead	varies*	varies*	
Ammonia(ac/o	ch) = current condition	Ammonia	TVS	TVS	Manganese	varies*	varies*	
Expiration Da	te of 12/31/2018	Boron		0.75	Mercury		0.01(T)	
*chlorophyll a	(mg/m²)(chronic) = applies only above	Chloride			Molybdenum		160(T)	
	sted at 36.5(4).	Chlorine		0.011	Nickel	TVS	TVS	
facilities listed	chronic) = applies only above the lat 36.5(4).	Cyanide	0.005		Selenium	TVS	TVS	
	ute) = See 36.6(4) for temporary site-specific standards and	Nitrate	100		Silver	varies*	TVS	
assessment lo	ocations.	Nitrite		10	Uranium			
	ronic) = See 36.6(4) for temporary site-specific standards and	Phosphorus		0.11*	Zinc	varies*	varies*	
*Copper(acute) = See 36.6(4) for temporary modifications, site-specific standards and		Sulfate						
		Sulfide		0.002				
modifications, assessment le *Lead(acute) modifications, assessment le *Lead(chronic modifications, assessment le *Manganese(standards and *Manganese(standards and *Silver(acute) modifications, assessment le *Zinc(acute) modifications, assessment le *Zinc(chronic) modifications, assessment le *TempMod: A WWTF. *TempMod: C modifications *TempMod: L modifications *TempMod: Z modifications *TempMod: Z modifications *TempMod: Z modifications *TempMod: Z	nic) = See 36.6(4) for temporary site-specific standards and ocations. = See 36.6(4) for temporary site-specific standards and ocations. c) = See 36.6(4) for temporary site-specific standards and ocations. c) = See 36.6(4) for temporary site-specific standards and ocations. acute) = See 36.6(4) for site-specific diassessment locations. chronic) = See 36.6(4) for site-specific diassessment locations. = See 36.6(4) for temporary site-specific standards and ocations. = See 36.6(4) for temporary site-specific standards and ocations. = See 36.6(4) for temporary site-specific standards and ocations.							

3. All tributarie	es to the Closed Basin excluding the listi	ngs in segments 2a, 2b, 2c, and 4 thro	ugh 13.				
CORGCB03	Classifications	Physical and Biolog	jical		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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)		150*	Chromium III	50(T)	TVS
		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Temporary Modification(s): Arsenic(chronic) = hybrid Expiration Date of 12/31/2021		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron		WS
		Ammonia	TVS	TVS	Iron		1000(T)
*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).		Boron		0.75	Lead	TVS	TVS
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		ws
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.17*	Selenium	TVS	TVS
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS

EXHIBIT 6 WATER QUALITY CONTROL DIVISION

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

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37.37 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER</u> 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

Temporary modifications of the copper (expire 6/30/2017) and iron (expire12/31/2017) standards on Lower Colorado segment 4e were reviewed. Tri-State Power and Generation presented evident that it is making progress on the plan for eliminating the need for need for the temporary modifications. The Commission took no action on the temporary modifications on these two segments as the original time allotment was deemed adequate to resolve the uncertainty

New Temporary Modifications of the Arsenic Standard:

Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on segments on the following list, with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from a December 13, 2011 hearing that an initial reasonable lower limit of treatment technology for arsenic is 3.0 µg/L, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the underlying uncertainty is resolved, if there is a temporary modification on the segment that is the receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

Lower Yampa segment 9
Lower Yampa segment 12a
Lower Yampa segment 12b
Lower Yampa segment 12c
Lower Yampa segment 15
White River segment 4b
White River segment 14a
White River segment 20
Lower Colorado segment 4a

Lower Colorado segment 4e Lower Colorado semgnet 17b

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 06/30/201617

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Yampa/Green River

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 the specific 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	Aluminum		
	Recreation P		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		205	Copper	TVS	TVS
Expiration Dat	ion Date of 12/31/2021				Iron		ws
		Inorgani	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
	Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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 its 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.

Agriculture eviewable Aq Life Cold 1 Recreation P Water Supply	Temperature °C	DM CS-I	MWAT		acute	chronic
Recreation P Water Supply	Temperature °C	CS-I				Cilionic
Water Supply		00-1	CS-I	Aluminum		
,		acute	chronic	Arsenic	340	0.02(T)
	D.O. (mg/L)		6.0	Beryllium		
ualifiers:	D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
ther:	pH	6.5 - 9.0		Chromium III	50(T)	TVS
emporary Modification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
rsenic(chronic) = hybrid	E. Coli (per 100 mL)		205	Copper	TVS	TVS
xpiration Date of 12/31/2021				Iron		WS
	Inorganic (mg/L)			Iron		1000(T)
		acute	chronic	Lead	TVS	TVS
	Ammonia	TVS	TVS	Manganese	TVS	TVS
	Boron		0.75	Manganese		WS
	Chloride		250	Mercury		0.01(t)
	Chlorine	0.019	0.011	Molybdenum		160(T)
	Cyanide	0.005		Nickel	TVS	TVS
	Nitrate	10		Selenium	TVS	TVS
	Nitrite		0.05	Silver	TVS	TVS(tr)
	Phosphorus		0.11	Uranium		
	Sulfate		WS	Zinc	TVS	TVS
	Sulfide		0.002			

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Yampa/Green River

12b. Milk Cree	ek including all tributaries and w	vellands from a point just below the conf			ibuigii (County Na i	0).	
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	Aluminum		
	Recreation P		acute	chronic	Arsenic	340	0.02(T)
Qualifiers:		D.O. (mg/L)		6.0	Beryllium		
Other:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Temporary Mo	odification(s):	рН	6.5 - 9.0		Chromium III	TVS	TVS
Arsenic(chroni	ic) = hybrid	chlorophyll a (mg/m2)		150	Chromium III		100(T)
Expiration Date	te of 12/31/2021	E. Coli (per 100 mL)		205	Chromium VI	TVS	TVS
					Copper	TVS	TVS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Mercury		0.01(t)
		Chloride		250	Molybdenum		160(T)
		Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005		Selenium	TVS	TVS
		Nitrate	10		Silver	TVS	TVS(tr)
		Nitrite		0.05	Uranium		
		Phosphorus		0.11	Zinc	TVS	TVS
		Sulfate					
		Sulfide		0.002			
	of Beaver Creek, including all Classifications	wetlands and tributaries, which are with Physical and		al Forest.			
Designation		i nysicai and	Biological			Metals (ug/L)	
	Agriculture	i nysicai anu	DM	MWAT		Metals (ug/L) acute	chronic
OW	Aq Life Cold 1	Temperature °C		MWAT CS-I	Aluminum		chronic
	Aq Life Cold 1 Recreation P	·	DM		Aluminum Arsenic	acute	
ow	Aq Life Cold 1	Temperature °C D.O. (mg/L)	DM CS-I	CS-I		acute 	
	Aq Life Cold 1 Recreation P	Temperature °C	DM CS-I acute	CS-I chronic	Arsenic	acute 340	 0.02(T)
OW	Aq Life Cold 1 Recreation P	Temperature °C D.O. (mg/L)	DM CS-I acute	CS-I chronic 6.0	Arsenic Beryllium	acute 340 	 0.02(T)
OW Qualifiers: Other: Temporary Me	Aq Life Cold 1 Recreation P Water Supply odification(s):	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2)	DM CS-I acute	CS-I chronic 6.0 7.0	Arsenic Beryllium Cadmium	acute 340 TVS(tr)	 0.02(T) TVS
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH	DM CS-I acute	CS-I chronic 6.0 7.0	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper	acute 340 TVS(tr) 50(T)	0.02(T) TVS TVS TVS TVS
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s):	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2)	DM CS-I acute 6.5 - 9.0	CS-I chronic 6.0 7.0 150	Arsenic Beryllium Cadmium Chromium III Chromium VI	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS TVS WS
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM CS-I acute 6.5 - 9.0	CS-I chronic 6.0 7.0 150 205	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T)
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM CS-I acute 6.5 - 9.0 	CS-I chronic 6.0 7.0 150 205	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead	acute 340 TVS(tr) 50(T) TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS
OW Qualifiers: Other: Temporary Mo	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL)	DM CS-I acute 6.5 - 9.0 	CS-I chronic 6.0 7.0 150 205	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese	acute 340 TVS(tr) 50(T) TVS TVS TVS	0.02(T) TVS
OW Qualifiers: Other: Temporary Mo	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan	DM CS-I acute 6.5 - 9.0 	CS-I chronic 6.0 7.0 150 205	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese	acute 340 TVS(tr) 50(T) TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS TVS WS
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani	DM	CS-I chronic 6.0 7.0 150 205 chronic TVS 0.75 250	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	acute 340 TVS(tr) 50(T) TVS TVS TVS	0.02(T) TVS TVS TVS VS TVS TVS WS 1000(T) TVS TVS WS 0.01(t)
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS	CS-I chronic 6.0 7.0 150 205 chronic TVS 0.75	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T)
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS	CS-I chronic 6.0 7.0 150 205 chronic TVS 0.75 250	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
OW Qualifiers: Other: Temporary Mo	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019	CS-I chronic 6.0 7.0 150 205 chronic TVS 0.75 250 0.011	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005	CS-I chronic 6.0 7.0 150 205 chronic TVS 0.75 250 0.011	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	acute 340 TVS(tr) 50(T) TVS TVS TVS TVS TVS TVS TVS TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS
OW Qualifiers: Other: Temporary Moders	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgan Ammonia Boron Chloride Chlorine Cyanide Nitrate	CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150 205 chronic TVS 0.75 250 0.011	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS TVS TVS TVS TVS
OW Qualifiers: Other: Temporary Mo	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150 205 Chronic TVS 0.75 250 0.011 0.05	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS TVS
OW Qualifiers: Other: Temporary Mo	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150 205 Chronic TVS 0.75 250 0.011 0.05 0.11	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS TVS TVS TVS TVS
OW Qualifiers: Other: Temporary Moders Arsenic(chronic)	Aq Life Cold 1 Recreation P Water Supply odification(s): ic) = hybrid	Temperature °C D.O. (mg/L) D.O. (spawning) pH chlorophyll a (mg/m2) E. Coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	DM CS-I acute 6.5 - 9.0 ic (mg/L) acute TVS 0.019 0.005 10	CS-I chronic 6.0 7.0 150 205 Chronic TVS 0.75 250 0.011 0.05 0.11 WS	Arsenic Beryllium Cadmium Chromium III Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium Silver Uranium	acute 340 TVS(tr) 50(T) TVS	0.02(T) TVS TVS TVS TVS WS 1000(T) TVS WS 0.01(t) 160(T) TVS TVS TVS TVS TVS TVS TVS TVS

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Yampa/Green River

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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	Zinc		TVS(sc)

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS White River

COLCWH	104B Classifications	Physical and	Biological		Metals (ug/L)			
Designat		,	DM	MWAT		acute	chronic	
ow	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum			
	Recreation E	·	acute	chronic	Arsenic	340	0.02(T)	
	Water Supply	D.O. (mg/L)		6.0	Beryllium			
Qualifiers	S:	D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS	
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS	
Temporar	y Modification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS	
Arsenic(cl	hronic) = hybrid	E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration	Date of 12/31/2021				Iron		WS	
		Inorgan	ic (mg/L)		Iron		1000(T)	
			acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron		0.75	Manganese		WS	
		Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS(tr)	
		Phosphorus		0.11	Uranium			
		Sulfate		WS	Zinc	TVS	TVS	
		Sulfide		0.002]			

		source to a point just below the confluence			1		
COLCWH14	A 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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary N	Modification(s):	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Arsenic(chror	nic) = hybrid	E. Coli (per 100 mL)		205	Copper	TVS	TVS
Expiration Da	ate of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS White River

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	Aluminum		
	Recreation P		acute	chronic	Arsenic	340	0.02(T)
	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		Chromium III	50(T)	TVS
emporary M	odification(s):	chlorophyll a (mg/m2)			Chromium VI	TVS	TVS
Arsenic(chron	<u>ic) = hybrid</u>	E. Coli (per 100 mL)		205	Copper	TVS	TVS
xpiration Dat	e of 12/31/2021				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Colorado River

4e. Mainstem	of Dry Creek including all tributaries a	nd wetlands from the source to ir	nmediately above the	Last Chance	e Ditch.		
COLCLC04E	Classifications	Physical and	d 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	100(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium		
Other:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Temporary Mo	odification(s):	chlorophyll a (mg/m²)			Chromium III	TVS	TVS
' '	= current conditions	E. Coli (per 100 mL)		630	Chromium III		100(T)
Expiration Date	e of 6/30/2017	Inorganic (mg/L)			Chromium VI	TVS	TVS
Iron(chronic) =	current conditions		acute	chronic	Copper	TVS	TVS
Expiration Date	e of 12/31/2017	Ammonia	TVS	TVS	Iron		1000(T)
Arsenic(chroni	c) – bybrid	Boron		0.75	Lead	TVS	TVS
,	e of 12/31/2021	Chloride			Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury		0.01(t)
	chronic) = applies only above the	Cyanide	0.005		Molybdenum		160(T)
facilities listed	at 37.5(4).	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

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	Aluminum		
	Recreation P		acute	chronic	Arsenic	340	0.02(T)
	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		Chromium III	50(T)	TVS
Arsenic(chroni	c) = hybrid	chlorophyll a (mg/m2)		150	Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2021	E. Coli (per 100 mL)		205	Copper	TVS	TVS
Arsenic(chroni	c) = hybrid				Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002	1		

EXHIBIT 7 WATER QUALITY CONTROL DIVISION

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

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38.94 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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, 2018, to determine whether the temporary modification should be modified, eliminated or extended.

Temporary modifications of standards on two segments were reviewed.

Deleted: The Commission deleted the ammonia temporary modification on Upper South Platte segment 3 below the Florissant waste water treatment facility outfall. The Town of Florissant obtained funding to upgrade its facility and now anticipates being able to comply with the effluent limits.

No action: The Commission took no action on the temporary modifications on the following segments.

Upper South Platte segment 10a: Temporary modification of the copper zinc standards (expire 12/31/2018) below the Plum Creek Water Reclamation facility outfall. PCWRA continues to make progress on data collection for a biotic-ligand based site specific standard.

Clear Creek segment 13b: Temporary modification of the cadmium standard (expire 12/31/2018). Black Hawk and Central City Sanitation District continues to make progress on resolving the uncertainty.

New Temporary Modifications

St Vrain segments 6 and 7: Temporary modifications of the total recoverable and dissolved iron standards and the dissolved manganese standard were added to these segments. Raytheon presented evidence regarding uncertainty of these standards and a compliance problem. These temporary modifications witll expire on 12/31/2020 and will be reviewed begining in 2018.

New Temporary Modifications of the Arsenic Standard:

Consistent with the actions taken in 2013, the Commission adopted temporary modification of the arsenic standard on segments on the following list, with an expriation date of 12/31/2021. At the April 8, 2013 Rulemaking, the Commission heard testimony that concurred with the finding from a December 13, 2011 hearing that an initial reasonable lower limit of treatment technology for arsenic is 3.0 μ g/L, pending further investigation by the Division, dischargers and stakeholders. The temporary modification was established by the Commission to allow for a temporarily less stringent application of the chronic arsenic standard in control requirements for both existing discharges and new or increased discharges. It is the Commission's intent, than until the underlying uncertainty is resolved, if there is a temporary modification on the segment that is the receiving water for a discharger, then the temporary modification should determine the WQBEL for the specific parameter, including any WQBEL that would otherwise be applied to maintain standards in downstream segments.

Upper South Platte semgnet 16b Upper South Platte semgnet 19 Cherry Creek segment 2 Clear Creek segment 2b Clear Creek segment 6 Clear Creek segment 12b Big Dry Creek segment 2 Big Dry Creek segment 17 St Vrain segment 4a St Vrain segment 12 Middle South Platte segment 7 Big Thompson segment 14 Big Thompson segment 16 Big Thompson segment 17 Cache la Poudre segmnet 7 Republican segment 1

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 06/30/201617

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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 Biolog	ical		М	etals (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(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pН	6.5 - 9.0		Cadmium	5.0(T)	
Temporary M	odification(s):	chlorophyll a (mg/m²)		150*	Chromium III	50(T)	TVS
' '	ch) = current condition*	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2017				Copper	TVS	TVS
Arsenic(chron	ic) = hybrid	Inorganic (mg/	′L)		Iron		WS
Expiration Dat	e of 12/31/2021		acute	chronic	Iron		1000(T)
*chlorophyll a	(mg/m²)(chronic) = applies only above	Ammonia	TVS	TVS	Lead	TVS	TVS
	sted at 38.5(4). chronic) = applies only above the	Boron		0.75	Lead	50(T)	
facilities listed	at 38.5(4).	Chloride		250	Manganese	TVS	TVS
	mmonia = below the Florissant reatment Facility outfall.	Chlorine	0.019	0.011	Manganese		ws
. actoriator .	. calling it a county callians	Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.11*	Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	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 I	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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m²)		150*	Cadmium	5.0(T)	
Temporary M	odification(s):	E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Arsenic(chroni	()	Inorgani	c (mg/L)		Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2021		acute	chronic	Copper	TVS	TVS
Copper(ac/ch)	= current condition*	Ammonia	TVS	TVS	Iron		WS
Expiration Dat	e of 12/31/2018	Boron		0.75	Iron		1000(T)
Manganese(ch	nronic) = current	Chloride		250	Lead	TVS	TVS
Expiration Dat	e of 6/30/2019	Chlorine	0.019	0.011	Lead	50(T)	
temperature(D	M/MWAT) = current 12/1 - 2/29	Cyanide	0.005		Manganese	TVS	TVS
	e of 12/31/2020	Nitrate	10		Manganese		WS
·	(mg/m²)(chronic) = applies only above	Nitrite		0.5	Mercury		0.01(t)
	ted at 38.5(4).	Phosphorus		0.17*	Molybdenum		150(T)
*Phosphorus(dacilities listed	chronic) = applies only above the	Sulfate		WS	Nickel	TVS	TVS
*TempMod: Co	opper = East Plum Creek and Plum	Sulfide		0.002	Nickel		100(T)
	ne PCWRA discharge. anganese = applies to the manganese				Selenium	TVS	TVS
NS standard.	0 11				Silver	TVS	TVS
	mperature(12/1 - 2/29) = East Plum m Creek below the PCWRA discharge.				Uranium		
	3. a. 3 .				Zinc	TVS	TVS

16b. Aurora R	eservoir.						
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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
	DUWS	рН	6.5 - 9.0		Cadmium	TVS	TVS
Qualifiers:		chlorophyll a (ug/L)			Cadmium	5.0(T)	
Other:		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Temporary Mo	odification(s):	Inorgan	ic (mg/L)		Chromium VI	TVS	TVS
Arsenic(chroni	c) = hybrid		acute	chronic	Copper	TVS	TVS
Expiration Date	e of 12/31/2021	Ammonia	TVS	TVS	Iron		WS
		Boron		0.75	Iron		1000(T)
		Chloride		250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead	50(T)	
		Cyanide	0.005		Manganese		TVS
		Nitrate	10		Manganese	TVS	WS
		Nitrite		0.5	Mercury		0.01(t)
		Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

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	0.02(T)		
	Water Supply	Temperature °C	4/1 - 12/31	CLL*	19.8* ^B	Beryllium				
	DUWS*	Temperature °C	4/1 - 12/31	CLL*	20.2*	Cadmium	TVS(tr)	TVS		
Qualifiers:		Temperature °C	4/1 - 12/31	CLL*	21.9*	Cadmium	5.0(T)			
Other:		Temperature °C	4/1 - 12/31	CLL*	22.6*	Chromium III	50(T)	TVS		
		Temperature °C		CL,CLL	CL,CLL	Chromium VI	TVS	TVS		
	odification(s):			acute	chronic	Copper	TVS	TVS		
Arsenic(chron		D.O. (mg/L)			6.0	Iron		WS		
Expiration Da	te of 12/31/2021	D.O. (spawning)			7.0	Iron		1000(T)		
Femperature(3/1 - 12/31) = Platte Canyon Res		рН		6.5 - 9.0		Lead	TVS	TVS		
(MWAT=25.0)	ì	chlorophyll a (ug/L)			8*	Lead	50(T)			
*Temperature (MWAT=19.6)	(4/1 - 12/31) = Antero Reservoir	E. Coli (per 100 mL)			126	Manganese	TVS	TVS		
*Temperature (MWAT=19.8)	(4/1 - 12/31) = Elevenmile Reservoir					Manganese		WS		
*Temperature	(4/1 - 12/31) = Spinney Mt Reservoir		Inorganic (mg/	L)		Mercury		0.01(t)		
(MWAT=20.2) *Temperature	(4/1 - 12/31) = Cheesman Reservoir			acute	chronic	Molybdenum		150(T)		
(MWAT=21.9)		Ammonia		TVS	TVS	Nickel	TVS	TVS		
"Temperature (MWAT=22.6)	(4/1 - 12/31) = Strontia Springs Res	Boron			0.75	Nickel		100(T)		
		Chloride			250	Selenium	TVS	TVS		
		Chlorine		0.019	0.011	Silver	TVS	TVS(tr)		
		Cyanide		0.005		Uranium				
		Nitrate		10		Zinc	TVS	TVS		
		Nitrite			0.05	1				
		Phosphorus			0.025*	1				
		Sulfate			WS	1				
		Sulfide			0.002					

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Cherry Creek Basin

2. Cherry Cree	ek Reservoir.							
COSPCH02	Classifications	Physi	cal and Biologi	cal			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	0.02(T)
	Water Supply	D.O. (mg/L)			5.0	Beryllium		
Qualifiers:		pН		6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (ug/L)	7/1 - 9/30		18*	Cadmium	5.0(T)	
Temporary Mo	odification(s):	E. Coli (per 100 mL)			126	Chromium III	50(T)	TVS
Arsenic(chroni	c) = hybrid		Inorganic (mg/l	_)		Chromium VI	TVS	TVS
Expiration Date	e of 12/31/2021			acute	chronic	Copper	TVS	TVS
*chlorophyll a	(ug/L)(chronic) = Season mean	Ammonia		TVS	TVS	Iron		WS
concentration	measured in the upper three meters of	Boron			0.75	Iron		1000(T)
	mn for the months of July through h an exceedance frequency of once in	Chloride			250	Lead	TVS	TVS
five years.	an exceedance frequency of once in	Chlorine		0.019	0.011	Lead	50(T)	
		Cyanide		0.005		Manganese	TVS	TVS
		Nitrate		10		Manganese		WS
		Nitrite			0.5	Mercury		0.01(t)
		Phosphorus				Molybdenum		150(T)
		Sulfate			WS	Nickel	TVS	TVS
		Sulfide			0.002	Nickel		100(T)
						Selenium	TVS	TVS
						Silver	TVS	TVS
						Uranium		
						Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Clear Creek Basin

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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pН	6.5 - 9.0		Cadmium	5.0(T)	
		chlorophyll a (mg/m2)		150*	Chromium III	50(T)	TVS
Temporary M	<u></u>	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chroni					Copper	TVS	TVS
Expiration Dat	e of 12/31/2021	Inorgan	c (mg/L)		Iron		WS
chlorophyll a (mg/m2)(chronic) = applies only above			acute	chronic	Iron		1000(T)
ne facilities listed at 38.5(4).		Ammonia	TVS	TVS	Lead	TVS	TVS
J	9/30/00 Baseline does not apply chronic) = applies only above the	Boron		0.75	Lead	50(T)	
facilities listed		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.11*	Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Clear Creek Basin

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	0.02(T)
Aq Lif Recre Water ualifiers: ther: emporary Modifica senic(chronic) = hy spiration Date of 12	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Cadmium	5.0(T)	
		chlorophyll a (mg/m2)		150	Chromium III	50(T)	TVS
	 _	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
					Copper	TVS	TVS
xpiration Dat	<u>e of 12/31/2021</u>	Inorgani	c (mg/L)		Iron		WS
Designation: 9/30/00 Baseline does not app	nly	acute	chronic	Iron		1000(T)	
Designation.	ignation: 9/30/00 Baseline does not apply	Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Lead	50(T)	
		Chloride		250	Manganese	TVS	TVS
	esignation: 9/30/00 Baseline does not apply	Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.11	Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Clear Creek Basin

12b. Beaver B	rook 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:		рН	6.5 - 9.0		Cadmium	5.0(T)	
		chlorophyll a (mg/m2)		150	Chromium III	50(T)	TVS
Temporary Me		E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Arsenic(chroni					Copper	TVS	TVS
Expiration Dat	e of 12/31/2021	Inorgan	ic (mg/L)		Iron		WS
*Designation:	9/30/00 Raseline does not apply		acute	chronic	Iron		1000(T)
Designation.	esignation: 9/30/00 Baseline does not apply	Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Lead	50(T)	
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.11	Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	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	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	100(T)
Qualifiers:		D.O. (mg/L)		6.0	Beryllium		
Other:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Temporary Me	odification(s):	рН	6.5 - 9.0		Chromium III	TVS	TVS
Cadmium(chro		chlorophyll a (mg/m²)		150*	Chromium III		100(T)
Expiration Dat	e of 12/31/2018	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
	M/MWAT) = current				Copper		64
condition Expiration Dat	e of 12/31/2020	Inorgai	nic (mg/L)		Iron		5400(T)
ZAPII GUIOTI Z GU	0 0. 12/0 //2020		acute	chronic	Lead	TVS	TVS
*ablaranbudla	(mar/m²)/ahrania\ annliag anlu ahaya	Ammonia	TVS	TVS	Manganese	TVS	TVS
the facilities lis	chlorophyll a (mg/m²)(chronic) = applies only about facilities listed at 38.5(4).	Boron		0.75	Mercury		0.01(t)
*Phosphorus(of facilities listed	chronic) = applies only above the at 38 5(4)	Chloride			Molybdenum		150(T)
radiiiiloo iidida	at 50.5(1).	Chlorine	0.019	0.011	Nickel	TVS	TVS
		Cyanide	0.005		Selenium	TVS	TVS
		Nitrate	100		Silver	TVS	TVS(tr)
		Nitrite		0.05	Uranium		
		Phosphorus		0.11*	Zinc		740
		Sulfate					
		Sulfide		0.002			

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Dry Creek Basin

2. Standley La	ıke.						
COSPBD02	Classifications	Physical and Bio	logical			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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		4.0
	DUWS	рН	6.5 - 9.0		Cadmium	TVS	TVS
Qualifiers:		chlorophyll a (ug/L)		4.0*	Cadmium	5.0(T)	
Other:		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
		Inorganic (mg/L)		Chromium VI	TVS	TVS	
Temporary M	· · ·		acute	chronic	Copper	TVS	TVS
Arsenic(chroni		Ammonia	TVS	TVS	Iron		WS
Expiration Dat	e of 12/31/2021	Boron		0.75	Iron		1000(T)
*chlorophyll a	(ug/L)(chronic) = The trophic status of	Chloride		250	Lead	TVS	TVS
	shall be maintained as mesotrophic by a combination of common indicator	Chlorine	0.019	0.011	Lead	50(T)	
parameters su	ich as total phosphorus, chlorophyll a,	Cyanide	0.005		Manganese	TVS	TVS
secchi depth, Section 38.6(4	and dissolved oxygen. Refer to	Nitrate	10		Manganese		WS
*Uranium(chrc	onic) = 3(t) Picocuries/Liter. See	Nitrite		0.5	Mercury		0.01(t)
attached table 2.	2 for additional standards for segment	Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		3(t)*
					Zinc	TVS	TVS

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REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Boulder Creek Basin

COSPBO17	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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
	DUWS*	pН	6.5 - 9.0		Cadmium	TVS	TVS
Qualifiers:		chlorophyll a (ug/L)			Cadmium	5.0(T)	
Water + Fish	Standards	E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Other:		Inorgar	nic (mg/L)		Chromium VI	TVS	TVS
			acute	chronic	Copper	TVS	TVS
<u>emporary Modification(s):</u> vrsenic(chronic) = hybrid		Ammonia	TVS	TVS	Iron		WS
•	te of 12/31/2021	Boron		0.75	Iron		1000(T)
<u> Ехрігаціон Da</u>	<u>le 0 12/31/2021</u>	Chloride		250	Lead	5.0(T) 50(T) TVS TVS 100 TVS 50(T) TVS 50(T) TVS 0	TVS
	: DUWS applies to Baseline, Marshall,	Chlorine	0.019	0.011	Lead	50(T)	
Thomas and \	Vaneka Reservoirs only.	Cyanide	0.005		Manganese	TVS	TVS
		Nitrate	10		Manganese	340 0.0 TVS 5.0(T) 50(T) TVS TVS 100 TVS 50(T) TVS 100 TVS 50(T) TVS 100 TVS 15 TVS 100 TVS	WS
		Nitrite		0.5	Mercury		0.01(t)
		Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

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REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS St. Vrain Creek Basin

Segment 4b.	Classifications	Physical and	Biological			Metals (ug/L)	
	Agriculture	,	DM	MWAT		acute	chronic
UP	Aq Life Cold 1	Temperature °C	CS-I	CS-I	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	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	5.0(T)	
Temporary Me	odification(s):	chlorophyll a (mg/m2)		150	Chromium III	50(T)	TVS
Arsenic(chroni	c) = hybrid	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Expiration Dat	e of 12/31/2021				Copper	TVS(tr) 5.0(T) 50(T) TVS TVS 10 TVS 50(T) TVS 10 TVS	TVS
	(chronic) = hybrid on Date of 12/31/2021	Inorgan	ic (mg/L)		Iron		WS
			acute	chronic	Iron		1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Lead	50(T)	
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.11	Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	TVS

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	Temperature °C	WS-II	WS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	100(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium		
Other:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Temporary M	lodification(s):	chlorophyll a (mg/m2)			Chromium III	TVS	TVS
ron(chronic) =	= current condition	E. Coli (per 100 mL)		126	Chromium III		100(T)
Manganese(a	c/ch) = current condition	Inorgan	ic (mg/L)		Chromium VI	TVS	TVS
Expiration Dat	spiration Date of 12/31/2020		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron		1000(T)
		Boron		0.75	Lead	TVS	TVS
		Chloride			Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury		0.01(t)
		Cyanide	0.005		Molybdenum		150(T)
		Nitrate	100		Nickel	TVS	TVS
		Nitrite		0.5	Selenium	TVS	TVS
		Phosphorus			Silver	TVS	TVS
		Sulfate			Uranium		
		Sulfide		0.002	Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS St. Vrain Creek Basin

	servoir, Coot Lake, Left Hand Valley Re	· •			F	Martin () (I)	
COSPSV07	Classifications	Physical and I				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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
	DUWS*	pН	6.5 - 9.0		Cadmium	TVS	TVS
Qualifiers:		chlorophyll a (ug/L)			Cadmium	5.0(T)	
Other:		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Temporary M	odification(s):	Inorgani	c (mg/L)		Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid		acute	chronic	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021	Ammonia	TVS	TVS	Iron		WS
Iron(TREC an	d dissolved) = current condition	Boron		0.75	Iron		1000(T)
Manganese(a	c/ch) = current condition	Chloride		250	Lead	TVS	TVS
Expiration Dat	te of 12/31/2020	Chlorine	0.019	0.011	Lead	50(T)	
		Cyanide	0.005		Manganese	TVS	TVS
	: DUWS applies to Boulder, Spurgeon	Nitrate	10		Manganese		WS
and Left Hand	I Valley Reservoirs only.	Nitrite		0.5	Mercury		0.01(t)
		Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS St. Vrain Creek Basin

	, 	Hand Creek from Highway 36 to the conflict		Creek, exce	pt as specified in Segmen		
COSPSV12	Classifications	Physical and				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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Water + Fish	Standards	chlorophyll a (ug/L)			Cadmium	5.0(T)	
Other:		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Temporary M	Modification(s):	Inorgan	nic (mg/L)		Chromium VI	TVS	TVS
Arsenic(chron	nic) = hybrid		acute	chronic	Copper	TVS	TVS
Expiration Da	te of 12/31/2021	Ammonia	TVS	TVS	Iron		WS
		Boron		0.75	Iron		1000(T)
		Chloride		250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead	50(T)	
		Cyanide	0.005		Manganese	TVS	TVS
		Nitrate	10		Manganese		WS
		Nitrite		0.5	Mercury		0.01(t)
		Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

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	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рН	6.5 - 9.0		Cadmium	TVS	TVS
Vater + Fish	Standards	chlorophyll a (mg/m2)			Cadmium	5.0(T)	
Other:		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
emporary Modification(s):		Inorgan	ic (mg/L)		Chromium VI	TVS	TVS
Arsenic(chron	ic) = hybrid		acute	chronic	Copper	TVS	TVS
xpiration Dat	te of 12/31/2021	Ammonia	TVS	TVS	Iron		WS
		Boron		0.75	Iron		1000(T)
	ANOT DIRE OF TELEVISION	Chloride		250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead	50(T)	
		Cyanide	0.005		Manganese	TVS	TVS
		Nitrate	10		Manganese		WS
		Nitrite		0.5	Mercury		0.01(t)
		Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Thompson River Basin

COSPBT14	servoir, Lonetree Reservoir, Boo	Physical and E				Metals (ug/L)		
		Physical and E						
Designation	- °		DM	MWAT		acute	chronic	
Reviewable	Aq Life Warm 1	Temperature °C	WL	WL	Aluminum			
	Recreation E		acute	chronic	Arsenic	340	0.02(T)	
	Water Supply	D.O. (mg/L)		5.0	Beryllium			
	DUWS*	pН	6.5 - 9.0		Cadmium	TVS	TVS	
Qualifiers:		chlorophyll a (ug/L)			Cadmium	5.0(T)		
Other:		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS	
Temporary M	odification(s):	Inorganio	c (mg/L)		Chromium VI	TVS	TVS	
Arsenic(chron	ic) = hybrid		acute	chronic	Copper	TVS	TVS	
Expiration Dat	te of 12/31/2021	Ammonia	TVS	TVS	Iron		WS	
*Classification: DUWS applies to Lonetree		Boron		0.75	Iron		1000(T)	
Classification: DUWS Reservoir only.		Chloride		250	Lead	TVS	TVS	
		Chlorine	0.019	0.011	Lead	50(T)		
		Cyanide	0.005		Manganese	TVS	TVS	
		Nitrate	10		Manganese		WS	
		Nitrite		0.5	Mercury		0.01(t)	
		Phosphorus			Molybdenum		150(T)	
		Sulfate		WS	Nickel	TVS	TVS	
		Sulfide		0.002	Nickel		100(T)	
					Selenium	TVS	TVS	
					Silver	TVS	TVS	
					Uranium			
					Zinc	TVS	TVS	

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Big Thompson River Basin

COSPBT16	Classifications	Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
	Aq Life Cold 1	Temperature °C	CL,CLL	CL,CLL	Aluminum		
	Recreation E		acute chr	onic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)	6.	0	Beryllium		
	DUWS*	D.O. (spawning)	7.	0	Cadmium	TVS(tr)	TVS
Qualifiers:		рН	6.5 - 9.0	-	Cadmium	5.0(T)	
Other:		chlorophyll a (ug/L)		-	Chromium III	50(T)	TVS
		E. Coli (per 100 mL)	12	6	Chromium VI	TVS	TVS
					Copper	TVS	TVS
Temporary Modification(s):		Inor	Inorganic (mg/L)				WS
Arsenic(chronic) = hybrid Expiration Date of 12/31/2021			acute	chronic	Iron		1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
*Classification: DUWS applies to St.Mary's		Boron		0.75	Lead	50(T)	
ake only.	i. Dovo applies to ottiviary s	Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus			Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	TVS

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 DM MWAT Agriculture acute chronic Reviewable Aq Life Warm 2 Temperature °C WL WL Aluminum Recreation E acute chronic Arsenic 340 0.02(T)Water Supply D.O. (mg/L) 5.0 Beryllium Qualifiers: рΗ 6.5 - 9.0 Cadmium TVS TVS Water + Fish Standards chlorophyll a (ug/L) Cadmium 5.0(T) Other: E. Coli (per 100 mL) 126 Chromium III 50(T) TVS Temporary Modification(s): Chromium VI Inorganic (mg/L) TVS TVS Arsenic(chronic) = hybrid chronic Copper TVS TVS acute Expiration Date of 12/31/2021 Iron WS Ammonia TVS TVS Boron 0.75 Iron ---1000(T) Lead TVS TVS Chloride 250 0.019 Lead 50(T) Chlorine 0.011 Manganese TVS TVS Cyanide 0.005 Nitrate 10 Manganese WS 0.5 Mercury 0.01(t)Nitrite Phosphorus Molybdenum 150(T) Nickel TVS TVS Sulfate WS Nickel 100(T) Sulfide 0.002 ---Selenium TVS TVS Silver TVS TVS Uranium Zinc TVS TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Cache La Poudre River Basin

COSPCP07	Classifications	Physical and	Biological				
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Cold 1	Temperature °C	CS-II	CS-II	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		рН	6.5 - 9.0		Cadmium	5.0(T)	
Temporary M	odification(s):	chlorophyll a (mg/m2)			Chromium III	50(T)	TVS
Arsenic(chron	ic) = hybrid	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
Expiration Date of 12/31/2021					Copper	TVS	TVS
		Inorgani	Inorganic (mg/L)				WS
			acute	chronic	Iron		1000(T)
		Ammonia	TVS	TVS	Lead	TVS	TVS
		Boron		0.75	Lead	50(T)	
		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus			Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
					Uranium		
					Zinc	TVS	TVS

REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Republican River Basin

1. Mainstem c	Classifications	blican River from a point 23 miles above the Physical and		border (39.5)	82154°, -102.350838°) to	Metals (ug/L)	oorder.
Designation	Agriculture	i nysicai anu	DM	MWAT		acute	chronic
Reviewable	Ag Life Warm 1	Temperature °C	WS-I	WS-I	Aluminum		
	Recreation E	Tomporature C	acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		pH	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)			Cadmium	5.0(T)	
Temporary M	lodification(s):	E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Arsenic(chron	ic) = hybrid	Inorgan	ic (mg/L)		Chromium VI	TVS	TVS
Expiration Da	te of 12/31/2021		acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron		WS
		Boron		0.75	Iron		1000(T)
		Chloride		250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead	50(T)	
		Cyanide	0.005		Manganese	TVS	TVS
		Nitrate	10		Manganese		WS
		Nitrite		0.5	Mercury		0.01(t)
		Phosphorus			Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

EXHIBIT 8 COLORADO PARKS AND WILDLIFE

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

. . .

32.58 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Colorado Parks and Wildlife, Upper Arkansas segments 3 and 12a, and Middle Arkansas segment 2

The Commission adopted new temporary modifications of the temperature standards for these segments of "current conditions". CPW operates three hatcheries that currently have temperature compliance issues. There is uncertainty about the appropriate temperature standard in Chalk Creek due to the presence of natural hot springs. CPW will collect additional information on Chalk Creek including the thermal impacts of seeps and springs in the vicinity of the Chalk Cliffs Hatchery. CPW also has temperature compliance issues at the Mount Shavano and Pueblo Hatcheries, and will collect additional data to support variances and/or site-specific standards. The Commission adopted these temporary modifications with an expiration date of December 31, 2020. The Commission will first review progress on these study plans in the June 2018 Arkansas Basin hearing.

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 06/30/2016<u>2017</u>

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

3. Mainstem o	f the Arkansas River from a poin	t immediately above the confluence with	n 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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium VI	TVS	TVS
Arsenic(chron	* *	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Date of 12/31/2021					Iron		WS
Temperature (ac/ch) = current conditions		Inorgani	ic (mg/L)		Iron		1000(T)
Expiration date			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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	Aluminum			
	Recreation E		acute	chronic	Arsenic	340	0.02(T)	
	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		Chromium III	50(T)	TVS	
Temporary M	odification(s):	chlorophyll a (mg/m²)		150*	Chromium VI	TVS	TVS	
Arsenic(chroni	()	E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration Date of 12/31/2021					Iron		WS	
Temperature (ac/ch) = current conditions Expiration date 12/31/2020		Inorgan	ic (mg/L)		Iron		1000(T)	
			acute	chronic	Lead	TVS	TVS	
	(mg/m^2) (chronic) = applies only above	Ammonia	TVS	TVS	Manganese	TVS	TVS	
	sted at 32.5(4). chronic) = applies only above the	Boron		0.75	Manganese		WS	
acilities listed	at 32.5(4).	Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS(tr)	
		Phosphorus		0.11*	Uranium			
		Sulfate		WS	Zinc	TVS	TVS	
		Sulfide		0.002				

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REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

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	Aluminum			
	Recreation E		acute	chronic	Arsenic	340	0.02(T)	
	Water Supply	D.O. (mg/L)		6.0	Beryllium			
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS	
Other:		рН	6.5 - 9.0		Chromium III	50(T)	TVS	
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium VI	TVS	TVS	
Arsenic(chron	* *	E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration Date of 12/31/2021					Iron		WS	
Temperature (ac/ch) = current conditions		Inorgan	ic (mg/L)		Iron		1000(T)	
Expiration dat			acute	chronic	Lead	TVS	TVS	
		Ammonia	TVS	TVS	Manganese	TVS	TVS	
		Boron		0.75	Manganese		WS	
		Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS(tr)	
		Phosphorus			Uranium			
		Sulfate		WS	Zinc	TVS	TVS	
		Sulfide		0.002				

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.

EXHIBIT 9 COLORADO PARKS AND WILDLIFE

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)

. . . .

33.57 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Colorado Parks and Wildlife, Roaring Fork segment 8 and Yampa segment 3.

The Commission adopted new temporary modifications of the temperature standards for these segments of "current conditions". CPW operates two hatcheries that have temperature compliance issues. There is uncertainty about the appropriate temperature standards in the lower portion of the Crystal River, and in Brinker Creek. Both segments are currently classified as cold stream tier 1 (CS-I), but do not support CS-I fish species in the vicinity of CPW's hatcheries. CPW will collect data to support resegmentation and a downgrade of the temperature standard in these streams. The Commission adopted these temporary modifications with an expiration date of December 31, 2020. The Commission will first review progress on the study plans in the December 2018 temporary modification hearing.

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 06/30/20162017

REGULATION #33 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Roaring Fork River Basin

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	Aluminum			
	Recreation E		acute	chronic	Arsenic	340	0.02(T)	
	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		Chromium III	50(T)	TVS	
Temporary M	lodification(s):	chlorophyll a (mg/m²)		150*	Chromium VI	TVS	TVS	
Arsenic(chron	()	E. Coli (per 100 mL)		126	Copper	TVS	TVS	
Expiration Date of 12/31/2021 Temperature (ac/ch) = current conditions					Iron		WS	
		Inorganic (mg/L)		Iron		1000(T)		
Expiration date 12/31/2020			acute	chronic	Lead	TVS	TVS	
	(mg/m²)(chronic) = applies only above	Ammonia	TVS	TVS	Manganese	TVS	TVS	
the facilities listed at 33.5(4). *Phosphorus(chronic) = applies only above the		Boron		0.75	Manganese		WS	
facilities listed at 33.5(4).	l at 33.5(4).	Chloride		250	Mercury		0.01(t)	
		Chlorine	0.019	0.011	Molybdenum		160(T)	
		Cyanide	0.005		Nickel	TVS	TVS	
		Nitrate	10		Selenium	TVS	TVS	
		Nitrite		0.05	Silver	TVS	TVS(tr)	
		Phosphorus		0.11*	Uranium			
		Sulfate		ws	Zinc	TVS	TVS	
		Sulfide		0.002				

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 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. Classifications COUCYA03 **Physical and Biological** Metals (ug/L) Designation Agriculture DM **MWAT** chronic acute Reviewable Aq Life Cold 1 CS-I Temperature °C CS-I Aluminum Recreation E acute chronic 340 0.02(T) Arsenic Water Supply D.O. (mg/L) 6.0 Beryllium Qualifiers: D.O. (spawning) 7.0 Cadmium TVS(tr) TVS рΗ 6.5 - 9.0 ---Chromium III 50(T) TVS Other: chlorophyll a (mg/m²) 150* Chromium VI TVS TVS Temporary Modification(s): E. Coli (per 100 mL) 126 Copper TVS TVS Arsenic(chronic) = hybrid Expiration Date of 12/31/2021 Iron WS ---1000(T) Inorganic (mg/L) Iron Temperature (ac/ch) = current conditions Expiration date 12/31/2020 TVS TVS acute chronic Lead *chlorophyll a (mg/m²)(chronic) = applies only above Manganese **TVS** TVS Ammonia **TVS** TVS the facilities listed at 33.5(4). Boron 0.75 Manganese WS *Phosphorus(chronic) = applies only above the facilities listed at 33.5(4). Chloride 250 Mercury 0.01(t) Molybdenum 160(T) Chlorine 0.019 0.011 Nickel TVS Cyanide 0.005 **TVS** Selenium TVS TVS Nitrate 10 Silver TVS TVS(tr) Nitrite 0.05

Phosphorus

Sulfate Sulfide

sc = sculpin

0.11*

0.002

ws

Uranium

TVS

TVS

TVS(sc)

Zinc

Zinc

- (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 10 COLORADO PARKS AND WILDLIFE

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 AND DOLORES RIVER BASINS

. . .

34.47 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER</u> 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Colorado Parks and Wildlife, Animas and Florida segment 5a

The Commission adopted a new temporary modification of the temperature standards for this segment of "current conditions". CPW's Durango Hatchery has a temperature compliance issue. CPW will collect additional data to support a variance and/or site-specific standard. The Commission adopted this temporary modification with an expiration date of December 31, 2020. The Commission will first review progress of this study plan in the 2018 temporary modification hearing.

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 06/30/2016<u>2017</u>

REGULATION #34 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Animas and Florida River Basins

5a. Mainstem	of the Animas River, including wetlands	s, from Bakers Bridge to the Souther	rn Ute Indian Res	ervation bou	ındary.		
COSJAF05A	Classifications	Physical and Bio	ological			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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Other:		pН	6.5 - 9.0		Chromium III	50(T)	TVS
Temporary Me	odification(s):	chlorophyll a (mg/m²)			Chromium VI	TVS	TVS
Arsenic(chroni	· /	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	e of 12/31/2021				Iron		WS
Temperature (ac/ch) = current conditions	Inorganic ((mg/L)		Iron		1000(T)
Expiration date			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		ws
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

(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.

EXHIBIT 11 COLORADO PARKS AND WILDLIFE

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

. . . .

35.44 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER</u>
12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30,
2017

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

Colorado Parks and Wildlife, Upper Gunnison segments 5b and 19

The Commission adopted new temporary modifications of the temperature standards for these segments of "current conditions". CPW operates two hatcheries that currently have temperature compliance issues. CPW will collect additional data to support variances and/or site-specific standards. The Commission adopted these temporary modifications with an expiration date of December 31, 2020. The Commission will first review progress on these study plans in the December 2018 temporary modification hearing.

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 06/30/20162017

REGULATION #35 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Gunnison River Basin

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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium VI	TVS	TVS
Arsenic(chron	, ,	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	e of 12/31/2021				Iron		WS
emperature (ac/ch) = current conditions		Inorgan	ic (mg/L)		Iron		1000(T)
Expiration date			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

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	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	odification(s):	chlorophyll a (mg/m²)			Chromium VI	TVS	TVS
Arsenic(chron	()	E. Coli (per 100 mL)		126	Copper	TVS	TVS
Expiration Dat	te of 12/31/2021				Iron		WS
Temperature	(ac/ch) = current conditions	Inorgan	ic (mg/L)		Iron		1000(T)
Expiration dat	e 12/31/2020		acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus			Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

sc = sculpin

(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.

EXHIBIT 12 COLORADO PARKS AND WILDLIFE

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

. . .

37.37 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER</u> 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Colorado Parks and Wildlife, Lower Colorado segment 10

The Commission adopted a new temporary modification of the temperature standards for this segment of "current conditions". CPW's Rifle Falls Hatchery has a temperature compliance issue. CPW will collect additional data to support a variance and/or site-specific standard. The Commission adopted this temporary modification with an expiration date of December 31, 2020. The Commission will first review progress of this study plan in the December 2018 temporary modification hearing.

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 06/30/2016<u>2017</u>

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower 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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	0.02(T)
	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		Chromium III	50(T)	TVS
Temporary M	Modification(s):	chlorophyll a (mg/m²)		150	Chromium VI	TVS	TVS
Arsenic(chror	` '	E. Coli (per 100 mL)		126	Copper	TVS	TVS
•	te of 12/31/2021				Iron		WS
Temperature	(ac/ch) = current conditions	Inorgan	ic (mg/L)		Iron		1000(T)
	te 12/31/2020		acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

- (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 13 COLORADO PARKS AND WILDLIFE

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

. . .

38.94 STATEMENT OF BASIS SPECIFIC STATUTORY AUTHORITY AND PURPOSE DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Colorado Parks and Wildlife, Cache la Poudre segments 2a and 10b

The Commission adopted new temporary modifications of the temperature standards for these segments of "current conditions". CPW operates two hatcheries that currently have temperature compliance issues. CPW will collect additional data to support variances and/or site-specific standards. The Commission adopted these temporary modifications with an expiration date of December 31, 2020. The Commission will first review progress on these study plans in the 2018 temporary modification hearing.

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 06/30/20162017

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	l 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(T)
	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	5.0(T)	
Temporary M	odification(s):	chlorophyll a (mg/m²)		150*	Chromium III	50(T)	TVS
Arsenic(chroni	• •	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
•	e of 12/31/2021				Copper	TVS	TVS
Temperature (ac/ch) = current conditions	Inorga	nic (mg/L)		Iron		WS
Expiration date			acute	chronic	Iron		1000(T)
chlorophyll a	(mg/m²)(chronic) = applies only above	Ammonia	TVS	TVS	Lead	TVS	TVS
he facilities lis	sted at 38.5(4). chronic) = applies only above the	Boron		0.75	Lead	50(T)	
acilities listed		Chloride		250	Manganese	TVS	TVS
		Chlorine	0.019	0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		150(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus		0.03	Nickel		100(T)
		Sulfate		WS	Selenium	TVS	TVS
		Sulfide		0.002	Silver	TVS	TVS(tr)
		Suilide		0.002	Uranium		1 V 3(ti)
					Zinc	TVS	TVS
					ZITIC	173	1 73
10b. Mainster	of the Cache La Poudre River from a	L point immediately above the La	rimer County Ditch div	version (40.6	1 657, -105.185) to Shields	Street in Ft. Collins, Col	orado.
COSPCP10B	Classifications	Physical and	l 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	0.02(T)
	Water Supply	D.O. (mg/L)		6.0	Beryllium		
Qualifiers:		D.O. (spawning)		7.0	Cadmium	TVS(tr)	TVS
Water + Fish	Standards	pH	6.5 - 9.0		Cadmium	5.0(T)	
Other:		chlorophyll a (mg/m²)			Chromium III	50(T)	TVS
Temporary M	a diffication (a).	E. Coli (per 100 mL)					
remporary Mi	odilication(s):	2. co (poco2)		126	Chromium VI	TVS	TVS
	* *	21 30 m (por 100 m.2)		126	Chromium VI Copper	TVS TVS	TVS TVS
Arsenic(chroni	* *		 nic (mg/L)	126			
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021			126	Copper	TVS	TVS WS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions		nic (mg/L)		Copper Iron	TVS 	TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Inorga	nic (mg/L) acute	chronic	Copper Iron Iron	TVS 	TVS WS 1000(T)
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Inorga	nic (mg/L) acute TVS	chronic TVS	Copper Iron Iron Lead	TVS TVS	TVS WS 1000(T) TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Inorgal Ammonia Boron	nic (mg/L) acute TVS	chronic TVS 0.75	Copper Iron Iron Lead Lead	TVS TVS 50(T)	TVS WS 1000(T) TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Ammonia Boron Chloride Chlorine	nic (mg/L) acute TVS	chronic TVS 0.75 250	Copper Iron Iron Lead Lead Manganese	TVS TVS 50(T) TVS	TVS WS 1000(T) TVS TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Ammonia Boron Chloride Chlorine Cyanide	nic (mg/L) acute TVS 0.019 0.005	chronic TVS 0.75 250 0.011	Copper Iron Iron Lead Lead Manganese Manganese	TVS TVS 50(T) TVS	TVS WS 1000(T) TVS TVS WS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Ammonia Boron Chloride Chlorine Cyanide Nitrate	nic (mg/L) acute TVS 0.019	chronic TVS 0.75 250 0.011	Copper Iron Iron Lead Lead Manganese Manganese Mercury	TVS TVS 50(T) TVS	TVS WS 1000(T) TVS TVS WS 0.01(t)
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	nic (mg/L) acute TVS 0.019 0.005 10	Chronic TVS 0.75 250 0.011 0.05	Copper Iron Iron Lead Lead Manganese Manganese Mercury Molybdenum Nickel	TVS TVS 50(T) TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 150(T) TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	nic (mg/L) acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05	Copper Iron Iron Lead Lead Manganese Manganese Mercury Molybdenum Nickel Nickel	TVS TVS 50(T) TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 150(T) TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Inorgal Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	nic (mg/L) acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05 WS	Copper Iron Iron Lead Lead Manganese Manganese Mercury Molybdenum Nickel Nickel Selenium	TVS TVS 50(T) TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 150(T) TVS 100(T) TVS
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	nic (mg/L) acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05	Copper Iron Iron Lead Lead Manganese Manganese Mercury Molybdenum Nickel Nickel Selenium Silver	TVS TVS 50(T) TVS TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 150(T) TVS 100(T) TVS TVS(tr)
Arsenic(chroni Expiration Dat	c) = hybrid e of 12/31/2021 ac/ch) = current conditions	Inorgal Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	nic (mg/L) acute TVS 0.019 0.005 10	chronic TVS 0.75 250 0.011 0.05 WS	Copper Iron Iron Lead Lead Manganese Manganese Mercury Molybdenum Nickel Nickel Selenium	TVS TVS 50(T) TVS TVS TVS TVS TVS	TVS WS 1000(T) TVS TVS WS 0.01(t) 150(T) TVS 100(T) TVS

T = total recoverable

t = total tr = trout 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

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	0.02-10(T) A
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		pH	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m²)		150*	Cadmium	5.0(T)	
		E. Coli (per 100 mL)		126	Chromium III	50(T)	TVS
Temporary M	odification(s):	Inorgan	ic (mg/L)		Chromium VI	TVS	TVS
Comporaturo (ac/ch) = current conditions		acute	chronic	Copper	TVS	TVS
Expiration date		Ammonia	TVS	TVS	Iron		WS
	, , 2, ,	Boron		0.75	Iron		1000(T)
chlorophyll a he facilities lis	(mg/m ²)(chronic) = applies only above ted at 38.5(4).	Chloride		250	Lead	TVS	TVS
Phosphorus(dacilities listed	chronic) = applies only above the	Chlorine	0.019	0.011	Lead	50(T)	
aciiilles iisteu	at 50.5(4).	Cyanide	0.005		Manganese	TVS	TVS
		Nitrate	10		Manganese		WS
		Nitrite		0.5	Mercury		0.01(t)
		Phosphorus		0.17*	Molybdenum		150(T)
		Sulfate		WS	Nickel	TVS	TVS
		Sulfide		0.002	Nickel		100(T)
					Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium		
					Zinc	TVS	TVS

- (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 14 RESURRECTION MINING COMPANY

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

. . .

32.58 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

lowa Gulch, Segment 8a, 8b and Segment 9: The Commission approved a redefinition of the boundary between segments 8a and 8b, changing the description of the upper boundary of Segment 8b from "a point immediately below the ASARCO water supply intake" to "a point immediately below the historic ASARCO water supply intake at 39.224326, -106.223432". This redefining of the boundary was necessary because the ASARCO water supply intake no longer exists. This segment boundary is based on differences in water use and water quality characteristics in these two segments.

The Commission also 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 cadmium and zinc which are intended to protect the resident, attainable aquatic macroinvertebrate communities and limited fish populations in Iowa Gulch. These site-specific standards resolve the uncertainty which resulted in the Commission adopting temporary modifications for cadmium and zinc in Segment 8b in the June 2007 Rulemaking, which were extended at the June 2013 Rulemaking and revised at the December 2015 Rulemaking.

The Use Attainability Analysis submitted by Resurrection Mining demonstrated that aquatic macroinvertebrate populations are currently categorized as "very good" to "good" in Iowa Gulch under the existing conditions. Fish populations are limited by the small stream size and elevation, with the majority of the fish appearing to have originated in the Arkansas River. 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 8b since 2007, and are consistent with the site-specific standards on the downstream receiving waters, Upper Arkansas Segment 2c.

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 06/30/2016<u>2017</u>

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

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	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(tr)	TVS
Other:		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
					Iron		WS
		Inorgan	ic (mg/L)		Iron		1000(T)
			acute	chronic	Lead	TVS	TVS
		Ammonia	TVS	TVS	Manganese	TVS	TVS
		Boron		0.75	Manganese		WS
		Chloride		250	Mercury		0.01(t)
		Chlorine	0.019	0.011	Molybdenum		160(T)
		Cyanide	0.005		Nickel	TVS	TVS
		Nitrate	10		Selenium	TVS	TVS
		Nitrite		0.05	Silver	TVS	TVS(tr)
		Phosphorus		0.11	Uranium		
		Sulfate		WS	Zinc	TVS	TVS
		Sulfide		0.002			

8b. Mainstem of Iowa Gulch from a point immediately below the historic_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:			D.O. (spawning)		7.0	0 1 :	TVS(tr)	TVS
			pH	6.5 - 9.0		Cadmium	SSE*	SSE*
*Cadmium(acu	ite) = (1.136672-		chlorophyll a (mg/m2)		150	Chromium III	TVS	TVS
[In(hardness)*(4.2785)	0.041838])*e^(1.1036*ln(ha	ardness)-	E. Coli (per 100 mL)		126	Chromium III		100(T)
						Chromium VI	TVS	TVS
	onic) = 1.6 <u>(1.101672-</u>).041838])*e^(1.1036*In(ha	ardness)-	Inorgani	c (mg/L)		Copper	TVS	TVS
5.1322)				acute	chronic	Iron		1000(T)
*Zinc(acute) =			Ammonia	TVS	TVS	Lead	TVS	TVS
0.978*e^(0.858	32[ln(hardness)]+1.9140)		Boron		0.75	Manganese	TVS	TVS
*Zinc(chronic)			Chloride			Mercury		0.01(t)
0.986*e^(0.858 Temporary Mo	32[ln(hardness)]+1.7178) odification(s):		Chlorine	0.019	0.011	Molybdenum		160(T)
	. ,	11/1 - 3/31	Cyanide			Nickel	TVS	TVS
temperature(D	M) = No acute standard WAT) = 14	11/1 - 3/31	Nitrate	100		Selenium	TVS	TVS
	,		Nitrite		0.05	Silver	TVS	TVS(tr)
			Phosphorus		0.11	Uranium		
			Sulfate			Zinc	TVS	TVS
			Sulfide		0.002	ZIIIC	SSE*	SSE*

t = total tr = trout

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Upper Arkansas River Basin

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	Aluminum		
	Recreation E		acute	chronic	Arsenic	340	7.6(T)
Qualifiers:		D.O. (mg/L)		6.0	Beryllium		
Other:		D.O. (spawning)		7.0	On design	TVS(tr)	TVS
	<u>ute) = (1.136672-</u>	pН	6.5 - 9.0		Cadmium	SSE*	SSE*
n(hardness)' .2785)	*0.041838])*e^(1.1036*In(hardness)-	chlorophyll a (mg/m2)		150	Chromium III	TVS	TVS
<u>_</u> _	ronic) = (1.101672-	E. Coli (per 100 mL)		126	Chromium III		100(T)
	*0.041838])*e^(1.1036*In(hardness)-				Chromium VI	TVS	TVS
1322)		Inorgan	ic (mg/L)		Copper	TVS	TVS
Zinc(acute) =	= 0.978*e^(0.8582[ln(hardness)]+1.9140)		acute	chronic	Iron		1000(T)
Zinc(chronic)) = 0.986*e^(0.8582[ln(hardness)]+1.7178)	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	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	ZING	SSE*	SSE*

(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.

EXHIBIT 15 PUBLIC SERVICE COMPANY OF COLORADO

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

. . .

32.58 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Middle Arkansas Segment 6b: Temporary modification of the temperature standard. Public Service Company of Colorado presented evidence that additional time is needed to collect data and to resolve the uncertainty regarding the underlying temperature standard. Therefore, the Commission extended the expiration date of the "current conditions" temporary modification for temperature to 12/31/2018, in order that the expected results of these investigations may be considered in the June 2018 Arkansas River Basin hearing.

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 06/30/2016<u>2017</u>

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle Arkansas River Basin

COARMA06	B 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	0.02-10(T) A
	Water Supply	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		pН	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)			Chromium III	50(T)	TVS
Temporary M	Modification(s):	E. Coli (per 100 mL)		126	Chromium VI	TVS	TVS
emperature(DM/MWAT) = "current onditions" Expiration Date of 6/30/2017/12/31/2018		Inorganic (mg/L)			Copper	TVS	TVS
			acute	chronic	Iron		ws
•		Ammonia	TVS	TVS	Iron		1000(T)
'Selenium(ad ocation at 32	cute) = See selenium assessment 2.6(4).	Boron		0.75	Lead	TVS	TVS
Selenium(ch	nronic) = See selenium assessment	Chloride		250	Manganese	TVS	TVS
ocation at 32	2.6(4).	Chlorine		0.011	Manganese		WS
		Cyanide	0.005		Mercury		0.01(t)
		Nitrate	10		Molybdenum		160(T)
		Nitrite		0.05	Nickel	TVS	TVS
		Phosphorus			Selenium	173*	50*
		Sulfate		WS	Silver	TVS	TVS
		Sulfide		0.002	Uranium		
					Zinc	TVS	TVS

(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.

EXHIBIT 16 CITY OF PUEBLO

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

. . .

32.58 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Lower Arkansas Segments 1a and 1b: The City of Pueblo presented evidence to support re-segmenting Lower Arkansas segments 1a and 1b to facilitate removal of the water supply use classification and associated standards on Lower Arkansas segment 1a. The only water supply use identified on Lower Arkansas segment 1a was near Avondale, shortly upstream of the previous segment boundary. Segment 1b is currently classified as water supply use. The Commission moved the boundary between Lower Arkansas segments 1a and 1b to the Collier Ditch headgate near Avondale to include this water supply use in segment 1b. Based on information submitted by Pueblo, the Commission also removed the water supply use classification on Lower Arkansas segment 1a, and removed the water supply based standards. The Commission also deleted the temporary modification of "existing quality" for sulfate on Lower Arkansas segment 1a.

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 06/30/2016<u>2017</u>

REGULATION #32 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Arkansas River Basin

Avondale. COARLA01A	Classifications	Physical	and Biologic	al			Metals (ug/L)	
Designation		i nyolou	ana Biologic	DM	MWAT		acute	chronic
UP	Ag Life Warm 2	Temperature °C	1/1 - 11/30	WS-II	WS-II	Aluminum		
	Recreation E	Temperature °C	12/1 - 12/31	21.5	20.7	7 11 31 11 11 11 11		0.02-10(T) A
	Water Supply	Tomporataro C	12,1 12,01	21.0	20.7	Arsenic	340	0.02-10(1) <u>100(T)</u>
Qualifiers:				acute	chronic	Beryllium		
Other:		D.O. (mg/L)			5.0	Cadmium	TVS	TVS
Temporary M	Modification(s):	рН		6.5 - 9.0		Chromium III	<u>TVS</u> 50(T)	TVS
	ch) = existing quality	chlorophyll a (mg/m²)				Chromium VI	TVS	TVS
•	nic) = existing quality	E. Coli (per 100 mL)			126	Copper	TVS	TVS
•	ate of 12/31/2018	Inc	rganic (mg/L	.)		Iron	-	WS
				acute	chronic	Iron		2800(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 <u>0</u>		Nickel	TVS	TVS
		Nitrite			0.5	Selenium	19.1	14.1
		Phosphorus				Silver	TVS	TVS
		Sulfate			329	Uranium		
		Sulfide			0.002	Zinc	TVS	TVS
1b. Mainstem	of the Arkansas River from the	e Colorado Canal <u>Collier Ditch</u> heado	ate to the inle	t to John M	artin Reserv	oir.		
COARLA01B	3 Classifications	Physical	and Biologic	al			Metals (ug/L)	
Designation				DM	MWAT		acute	chronic
UP	Aq Life Warm 2	Temperature °C		WS-II	WS-II	Aluminum		
	Recreation E			acute	chronic	Arsenic	340	0.02(T)
	Water Supply	D.O. (mg/L)			5.0	Beryllium		
		рH		0 5 0 0		Cadmium	TVS	TVS
Qualifiers:	04 - 1 - 1 - 4 - 1			6.5 - 9.0				
	Standards Apply	chlorophyll a (mg/m²)				Chromium III	50(T)	TVS
	standards Apply	chlorophyll a (mg/m²) E. Coli (per 100 mL)			126	Chromium III Chromium VI	50(T) TVS	TVS
Water + Fish Other:	Nodification(s):	E. Coli (per 100 mL)	rganic (mg/L					
Water + Fish Other: Temporary M	Modification(s):	E. Coli (per 100 mL)	rganic (mg/L			Chromium VI	TVS	TVS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da	Modification(s): nic) = hybrid ate of 12/31/2021	E. Coli (per 100 mL)	rganic (mg/L)	126	Chromium VI Copper	TVS TVS	TVS TVS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chr	Modification(s): nic) = hybrid	E. Coli (per 100 mL)	rganic (mg/L) acute	126	Chromium VI Copper Iron	TVS TVS 	TVS TVS WS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroconditions"	Modification(s): nic) = hybrid ate of 12/31/2021	E. Coli (per 100 mL) Inc Ammonia	rganic (mg/L) acute	126 chronic TVS	Chromium VI Copper Iron Iron	TVS TVS 	TVS TVS WS 1950(T)
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroconditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron	rganic (mg/L) acute TVS	chronic TVS 0.75	Chromium VI Copper Iron Iron Lead	TVS TVS TVS	TVS TVS WS 1950(T) TVS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroconditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron Chloride	rganic (mg/L) acute TVS	126 chronic TVS 0.75 250	Chromium VI Copper Iron Iron Lead Manganese	TVS TVS TVS TVS	TVS TVS WS 1950(T) TVS TVS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroconditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron Chloride Chlorine	rganic (mg/L	0.019	126 chronic TVS 0.75 250 0.011	Chromium VI Copper Iron Iron Lead Manganese Manganese	TVS TVS TVS TVS TVS	TVS TVS WS 1950(T) TVS TVS WS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron Chloride Chlorine Cyanide	rganic (mg/L	TVS 0.019 0.005	126 chronic TVS 0.75 250 0.011	Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury	TVS TVS TVS TVS TVS	TVS TVS WS 1950(T) TVS TVS WS 0.01(t)
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroconditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron Chloride Chlorine Cyanide Nitrate	rganic (mg/L) acute TVS 0.019 0.005 10	126 chronic TVS 0.75 250 0.011	Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum	TVS TVS TVS TVS	TVS TVS WS 1950(T) TVS TVS WS 0.01(t) 160(T)
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	organic (mg/L	0.019 0.005 10	126 chronic TVS 0.75 250 0.011 0.5	Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel	TVS TVS TVS TVS TVS TVS TVS	TVS TVS WS 1950(T) TVS TVS WS 0.01(t) 160(T) TVS
Water + Fish Other: Temporary M Arsenic(chror Expiration Da Selenium(chroconditions"	Modification(s): nic) = hybrid ate of 12/31/2021 ronic) = "current	E. Coli (per 100 mL) Inc Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	rganic (mg/L	acute TVS 0.019 0.005 10	126 chronic TVS 0.75 250 0.011 0.5	Chromium VI Copper Iron Iron Lead Manganese Manganese Mercury Molybdenum Nickel Selenium	TVS TVS TVS TVS TVS TVS TVS TVS TVS	TVS TVS WS 1950(T) TVS TVS WS 0.01(t) 160(T) TVS TVS

tr = trout

(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.

EXHIBIT 17 SENECA COAL COMPANY AND PEABODY SAGE CREEK MINING COMPANY

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)

. . . .

33.57 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017

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

Yampa River segments 13d and 13i: Temporary modifications of the iron standards. Peabody Sage Creek Mining Company and Seneca Coal Company presented evidence that current economic situations necessitate additional time to resolve the uncertainty underlying the iron temporary modifications. The Commission extended the expiration dates of the iron temporary modifications to December 31, 2018, to align the expiration dates with the selenium temporary modifications on these segments.

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 06/30/20167

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

13d. Mainstem	of Dry Creek, including all tributar	es and wetlands, from the source to	just above the confl	uence with 1	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	Aluminum			
	Recreation E		acute	chronic	Arsenic		340	100(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium			
Other:		рН	6.5 - 9.0		Cadmium		TVS	TVS
Temporary Mo	odification(s)	chlorophyll a (mg/m2)		150	Chromium III		TVS	TVS
		4/30 E. Coli (per 100 mL)		126	Chromium III			100(T)
,	e of 12/31/2017 12/31/2018	Inorgan	ic (mg/L)		Chromium VI		TVS	TVS
Selenium(chro	nic) = current conditions		acute	chronic	Copper		TVS	TVS
Expiration Date	e of 12/31/2018	Ammonia	TVS	TVS	Iron	5/1 - 2/29		1110(T)*
Iron(chronic) =	= See section 33.6(4) for iron	Boron		0.75	Iron	3/1 - 4/30		3040(T)
assessment lo	cations.	Chloride			Lead		TVS	TVS
assessment lo	= See section 33.6(4) for iron cations.	Chlorine	0.019	0.011	Manganese		TVS	TVS
		Cyanide	0.005		Mercury			0.01(t)
		Nitrate	100		Molybdenum			160(T)
		Nitrite		0.05	Nickel		TVS	TVS
		Phosphorus		0.17	Selenium		TVS	TVS
		Sulfate			Silver		TVS	TVS
		Sulfide		0.002	Uranium			
					Zinc		TVS	TVS

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	Aluminum		
	Recreation N		acute	chronic	Arsenic	340	100(T)
Qualifiers:		D.O. (mg/L)		5.0	Beryllium		
Other: Temporary Modification(s): Iron(chronic) = current conditions*		pH	6.5 - 9.0		Cadmium	TVS	TVS
		chlorophyll a (mg/m2)			Chromium III	TVS	TVS
		E. Coli (per 100 mL)		630	Chromium VI	TVS	TVS
Expiration Date of 12/31/2017 12/31/2018		Inorganic (mg/L)			Copper	TVS	TVS
Selenium(chronic) = current conditions			acute	chronic	Iron		1000(T)*
Expiration Date of 12/31/2018		Ammonia	TVS	TVS	Lead	TVS	TVS
*Iron(chronic) = See section 33.6(4) for iron assessment locations.		Boron		0.75	Manganese	TVS	TVS
		Chloride			Mercury		0.01(t)
*TempMod: Ir	ron = for Grassy Creek.	Chlorine	0.019	0.011	Molybdenum		160(T)
		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			

- (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 18 TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

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

. . .

37.37 <u>STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE; DECEMBER 12, 2016 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE JUNE 30, 2017</u>

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

DRY CREEK, LOWER COLORADO RIVER SEGMENT 4e

IRON

The Commission considered site-specific iron standards for Lower Colorado Segment 4e, Dry Creek and all tributaries upstream of the Last Chance Ditch. Evidence submitted by Tri-State Generation and Transmission Association confirmed the effluent-dependent nature of the stream and, in turn, the benthic community structure expected in a stream with limited/intermittent flow providing marginal habitat for macroinvertebrates to establish and persist. Based on this evidence, the Commission determined that "ephemeral flow-limited aquatic life" is the highest attainable use for Segment 4e. The data also demonstrated that ambient iron concentrations were not inhibiting the attainment of the limited aquatic community. Therefore, ambient iron concentrations provide a reasonable basis for a site-specific standard which would be expected to protect the expected aquatic community.

Due to the proximity of these sample sites to each other in the segment, as well as limited within-segment variability in habitat conditions and flow, sites were combined for derivation of an ambient site-specific standard, resulting in a median total recoverable iron concentration of 4,470 µg/L. This calculation is based on the inclusion of data from upper Dry Creek (Site DC-4) which is above the Tri-State Rifle Station discharge point, the Unnamed Tributary (Site UT-2) located immediately below the discharge, Dry Creek 1 (Site DC-1) located below the confluence with the Unnamed Tributary, and Dry Creek 2 (Site DC-2) which is the furthest downstream site. These data indicated that natural or irreversible sources of ambient iron present within the upper reaches of Dry Creek are driving the instream concentrations of total recoverable iron detected at sample locations downstream of the Tri-State Rifle Station. The Commission adopted a standard of 4.5 mg/L as a conservative approach based on background conditions.

Future assessments of this ambient standard for Segment 4e would be made based on the median of the data from all four sample points.

The Commission removed the temporary modification for iron of "current condition" that had previously been in place for Segment 4e.

COPPER

The Commission considered the temporary modification for copper for Lower Colorado Segment 4e. Tri-State proposed extending the temporary modification. Tri-State submitted evidence that it has been collecting data to determine whether copper standards may be based on the Biotic Ligand Model (BLM) for copper (Cu) and use of the Fixed Monitoring Benchmark (FMB). The FMB is a computational method developed by the U.S. Environmental Protection Agency at the request of the Water Quality Control Division and has been used successfully to derive site-specific copper standards in a number of segments in the Arkansas River and South Platte River basins.

As an outcome of the Arkansas and South Platte hearings, it has been recommended that a minimum of 24 samples be collected over a two-year period in order to fully capture seasonality before implementation of any FMB-based standards. The temporary modification for Cu was set to expire June 30, 2017, with the assumption that since water quality data collection began in 2015, this would provide sufficient time for data to be collected prior to expiration of the temporary modification. However, due to the extremely intermittent nature of the discharge and an ephemeral stream which flows only in response to precipitation or discharge events, it has been challenging to develop a database containing a sufficient number of samples. Based on the limited number of samples available at this time, the Commission determined that additional time was necessary and extended the temporary modification expiration to December 31, 2019. The extended timeframe will allow additional collection of samples in this difficult environment of limited flows. The expiration date is coordinated with the June 2019 basin hearing.

ANTIDEGRADATION

The Commission reviewed the antidegradation designation for Segment 4e. Based on available water quality data that meet the requirements of Section 31.8(2)(b)(i)(B), the Commission determined that Segment 4e should retain the Use Protected designation.

SUMMARY

Tri-State provided sufficient data and justification to support an ambient-based site-specific total recoverable Fe standard for Dry Creek, Segment 4e of 4.5 mg/L, based on grouping data from the four instream sample sites. Assessment locations for future evaluation of attainment are DC-4, UT-2, DC-1, and DC-2. An extension of the Cu temporary modification was adopted of December 31, 2019, in order to continue building the existing database. The Commission retained the Use Protected designation based on Section 31.8(2)(b)(i)(B).

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 06/30/2016<u>6/30/2017</u>

REGULATION #37 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Lower Colorado River

4e. Mainstem	of Dry Creek including all tributaries a	nd wetlands from the source to imn	nediately above the	Last Chanc	ce 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	Aluminum		
	Ephemeral flow- limited aquatic life		acute	chronic	Arsenic	340	100(T)
	Recreation N	D.O. (mg/L)		5.0	Beryllium		
Qualifiers:		рH	6.5 - 9.0		Cadmium	TVS	TVS
Other:		chlorophyll a (mg/m2)			Chromium III	TVS	TVS
		E. Coli (per 100 mL)		630	Chromium III		100(T)
Temporary Modification(s): Copper(ac/ch) = current conditions		Inorganic (mg/L)			Chromium VI	TVS	TVS
Expiration Date of 6/30/2017 12/31/2019			acute	chronic	Copper	TVS	TVS
Iron(chronic) = current conditions		Ammonia	TVS	TVS	Iron		<u>4500</u> 1000(T)
Expiration Date of 12/31/2017		Boron		0.75	Lead	TVS	TVS
*Phosphorus(chronic) = applies only above the facilities listed at 37.5(4).		Chloride			Manganese	TVS	TVS
		Chlorine	0.019	0.011	Mercury		0.01(t)
		Cyanide	0.005		Molybdenum		160(T)
		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

- (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.