

To: Members of the State Board of Health

From: James H. Grice, Radiation Program Manager, Hazardous Materials and Waste

Management Division

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Division

Through: Jennifer T. Opila, Division Director 970

Date: August 19, 2020

Subject: Rulemaking Hearing concerning 6 CCR 1007-1 Part 22, Physical protection of

category 1 and category 2 quantities of radioactive material, and 6 CCR 1007-1

Part 17, Transportation of radioactive materials

The radiation program is proposing minor technical and editorial changes to Part 22 and Part 17 of the radiation regulations primarily for conformance to final regulations of the U.S. Nuclear Regulatory Commission (NRC) in 10 CFR Part 37, and Part 71. Changes to these federal rules were published in 2018 and 2019. Consistent with its agreement with the NRC, Colorado must maintain its radiation regulations compatible with those of NRC and therefore is proposing changes to Colorado rules.

Part 22 provides specific physical security requirements for certain licensees who possess and use higher quantities and of radioactive materials and devices deemed to be risk significant per federal regulation. Part 17 as used in conjunction with 10 CFR Part 71 and 49 CFR, provides requirements for transportation and shipping of radioactive materials.

The changes to the proposed rules are primarily non-substantive technical corrections and edits with minimal impacts on licensees. The proposed changes include clarification that the oath and affirmation documents required under Part 22 are to be submitted to the Department, consistent with current licensing practices; changes in NRC division names and contact information due to NRC organizational changes; correction of the website and contact information for submission of fingerprints under Part 22; clarification that the list of individuals with unescorted access required by Part 22 must be protected in a manner similar to other security related documents; clarification in Part 17 that the quality assurance program information for certain packages be sent to the Department for review (rather than NRC); and typographical error and formatting additions and corrections throughout both rules. Amendment of these regulations will help ensure consistency with the national framework for regulation of radioactive materials.

Throughout the rule, new text appears as red bold text while deleted current text of this regulation is shown in strikethrough. Changes made since the request for rulemaking are highlighted in yellow.

At the August 19, 2020 rulemaking hearing, the Radiation Program requests that the Board of Health adopt the rules as proposed.

STATEMENT OF BASIS AND PURPOSE AND SPECIFIC STATUTORY AUTHORITY

for Amendments to

6 CCR 1007-1, Part 22, Physical protection of category 1 and category 2 quantities of radioactive material

6 CCR 1007-1, Part 17, Transportation of radioactive material

Basis and Purpose.

The proposed amendments make minor technical and formatting changes to select provisions in the Part 22 and Part 17 rules based on 2018 and 2019 changes in parallel federal regulation and to address past comments of NRC from a prior rulemaking. The proposed changes are outlined below for each section by rule.

Changes throughout Part 22

- Updates and modifications to the standard language pertaining to documents incorporated by reference, consistent with the intent and requirements of the Colorado Administrative Procedure Act.
- Correction of typographical and formatting for alignment of rule text.
- The addition of section headers to Part 22 for consistency with the format of federal rule.

Changes to provision 22.2 of Part 22

 Updates to the incorporation by reference language for consistency with the APA and other regulations.

Changes to provision 22.4 of Part 22

 The addition of email contact information where information may be sent to the Department.

Changes to provision 22.9 of Part 22

 Adding clarification that the oath and affirmation information for reviewing officials should be sent to the Department within 30 days of changes or additions of individuals, or when such designation is revoked.

Changes to provision 22.11 of Part 22

 Updating the contact information where licensees must submit fingerprint information to the U.S. Nuclear Regulatory Commission (NRC). Information was updated as a result of NRC organizational and contact information.

Changes to provision 22.16 of Part 22

 Language is added to clarify that the list of individuals that have been approved for unescorted access must be protected in a manner similar to other security related documents.

Changes to provision 22.27 of Part 22

 Clarifying language is added to specify that advance notification of shipments of category 1 quantities of radioactive material must also be made to the Department, along with the governor of each state through which the material is being shipped. The amended language also includes the NRC information where contact information can be found.

Changes throughout Part 17

- Updates to the standard language pertaining to documents incorporated by reference, consistent with the Colorado Administrative Procedure Act and other regulatory parts.
- · Correction of typographical, formatting and numbering errors.
- Removal of specific dates referencing federal regulations in rule body.
- The addition of the word "Part" in references to federal regulation.
- Removal of header and footer information in preparation for final publication.

Changes to provision 17.3 of Part 17

 Deletion of term "licensing state" due to no longer being used in the national regulatory scheme.

Changes to provision 17.7 of Part 17

 Clarification that only NRC can provide an alternate approval for a package and only NRC issues the certificates of compliance.

Changes to provision 17.10 of Part 17

• When a package falls within the requirements of Subpart H of 10 CFR Part 71, a licensee using such package must submit their applicable quality assurance program requirements to the Department for review.

Changes to provision 17.11 of Part 17

- Incorporation of and updates to NRC Division names due to reorganization changes at NRC.
- An additional notification reference to NRC is added, consistent with other changes to this section.

Specific Statutory Authority. Statutes that require or authorize rulemaking:		
25-1.5-101(1)(k), 25-1.5-101(1)(l), 25-11-103, 25-11-104, and 25-1-108, C.R.S.		
Is this rulemaking due to a change in state statute?		
Yes, the bill number is Rules are authorized required.		
X No		
Does this rulemaking include proposed rule language that incorporate materials by reference? XYesX_URLNo		
Does this rulemaking include proposed rule language to create or modify fines or fees? YesX No		
Does the proposed rule language create (or increase) a state mandate on local government? X No.		

- The proposed rule does not require a local government to perform or increase a specific activity for which the local government will not be reimbursed;
- The proposed rule requires a local government to perform or increase a specific activity because the local government has opted to perform an activity, or;
- The proposed rule reduces or eliminates a state mandate on local government.

Has an elected official or other representatives of local governments disagreed with this categorization of the mandate? ___Yes _X_No. If "yes," please explain why there is disagreement in the categorization.

Please elaborate as to why a rule that contains a state mandate on local government is necessary.

While most radioactive materials licensee facilities in Colorado are privately owned, some facilities may be wholly or partially owned or operated by a local government, town, county or special district. However, for consistency with the national framework for regulation of radioactive materials and consistent with Colorado's agreement with the U.S. Nuclear Regulatory Commission, all facilities regardless of ownership, must adhere to the same public health and safety requirements and regulations for use of radioactive materials within the state. The proposed rule changes are mostly non-substantial, technical and editorial changes that will not significantly impact the level of service or mandate and will therefore similarly impact all types of facilities using radioactive materials whether privately or governmentally owned or operated. The Department does not collect or maintain data regarding the governmental or private ownership status of licensed facilities.

REGULATORY ANALYSIS

6 CCR 1007-1, Part 22, Physical protection of category 1 and category 2 quantities of radioactive material

6 CCR 1007-1, Part 17, Transportation of radioactive material

1. A description of the classes of persons affected by the proposed rule, including the classes that will bear the costs and the classes that will benefit from the proposed rule.

Group of persons/entities Affected by the Proposed Rule	Size of the Group	Relationship to the Proposed Rule Select category: C/CLG/S/B
All active specific radioactive materials licensees. This includes the subset of licensees that are required to implement the enhanced security requirements of Part 22 and licensees that transport or ship radioactive materials under the requirements of Part 17. Note: The proposed changes to Part 17 are unlikely to impact any Colorado licensees as the primary changes relate to transport of nuclear (reactor) waste and no Colorado licensees are typically involved in shipment of nuclear waste.	306	C / CLG
Stakeholders and other entities who collectively represent radioactive materials licensees or are otherwise interested in their activities. This includes associations, professional organizations, advocacy organizations, and members of the public who have expressed interest in receiving notification of proposed radiation regulation changes.	378	S
Members of the public who may be impacted if a licensee fails to follow the regulatory requirements.	Not easily quantifiable	В

While all are stakeholders, groups of persons/entities connect to the rule and the problem being solved by the rule in different ways. To better understand those different relationships, the following relationship categorization key is used:

- C = individuals/entities that implement or apply the rule.
- CLG = local governments that must implement the rule in order to remain in compliance with the law.
- S = individuals/entities that do not implement or apply the rule but are interested in others applying the rule.
- B = the individuals that are ultimately served, including the customers of our customers. These individuals may benefit, be harmed by or be atrisk because of the standard communicated in the rule or the manner in which the rule is implemented.

More than one category may be appropriate for some stakeholders.

To the extent practicable, a description of the probable quantitative and qualitative impact of the proposed rule, economic or otherwise, upon affected classes of persons. Economic outcomes

Summarize the financial costs and benefits, include a description of costs that must be incurred, costs that may be incurred, any Department measures taken to reduce or eliminate these costs, and any financial benefits.

All stakeholders - C, CLG, S, B: The proposed rule changes consist of technical, nonsubstantial changes. There are expected to be no economic impacts or financial costs or benefits when implemented by licensees.

Non-economic outcomes

Summarize the anticipated favorable and non-favorable non-economic outcomes (short-term and long-term), and, if known, the likelihood of the outcomes for each affected class of persons by the relationship category.

Adding clarity to the rule language and addressing minor errors is expected to make it easier for impacted licensees in Category C / CLG to follow, as the rules will be made more consistent with the regulations of NRC and those in other states who have adopted the federal rule changes. Those licensees required by the rules to submit information to the NRC or the Department will have the correct mailing and contact information, thereby saving time.

- 3. The probable costs to the agency and to any other agency of the implementation and enforcement of the proposed rule and any anticipated effect on state revenues.
 - A. Anticipated CDPHE personal services, operating costs or other expenditures: None. The proposed changes are expected to be neutral for the Department.

Anticipated CDPHE Revenues: N/A

- B. Anticipated personal services, operating costs or other expenditures by another state agency: N/A
- A comparison of the probable costs and benefits of the proposed rule to the probable costs and benefits of inaction.

Along with the costs and benefits discussed above, the proposed revisions:

- _X_ Comply with a statutory mandate to promulgate rules.
- _X_ Comply with federal or state statutory mandates, federal or state regulations, and department funding obligations.
- _X_ Maintain alignment with other states or national standards.
- _X_ Implement a Regulatory Efficiency Review (rule review) result
- _X_ Improve public and environmental health practice.
- ___ Implement stakeholder feedback.

Advance the following CDPHE Strategic Plan priorities (select all that apply):

1.	Reduce Greenhouse Gas (GHG) emissions economy-wide from 125.716 million metric tons of CO2e (carbon dioxide equivalent) per year to 119.430 million metric tons of CO2e per year by June 30, 2020 and to 113.144 million metric tons of CO2e by June 30, 2023.
	Contributes to the blueprint for pollution reduction Reduces carbon dioxide from transportation Reduces methane emissions from oil and gas industry Reduces carbon dioxide emissions from electricity sector
2.	Reduce ozone from 83 parts per billion (ppb) to 80 ppb by June 30, 2020 and 75 ppb by June 30, 2023.
	Reduces volatile organic compounds (VOC) and oxides of nitrogen (NOx) from the oil and gas industry. Supports local agencies and COGCC in oil and gas regulations. Reduces VOC and NOx emissions from non-oil and gas contributors
3.	Decrease the number of Colorado adults who have obesity by 2,838 by June 30, 2020 and by 12,207 by June 30, 2023.
	Increases the consumption of healthy food and beverages through education, policy, practice and environmental changes. Increases physical activity by promoting local and state policies to improve active transportation and access to recreation. Increases the reach of the National Diabetes Prevention Program and Diabetes Self-Management Education and Support by collaborating with the Department of Health Care Policy and Financing.
4.	Decrease the number of Colorado children (age 2-4 years) who participate in the WIC Program and have obesity from 2120 to 2115 by June 30, 2020 and to 2100 by June 30, 2023. Ensures access to breastfeeding-friendly environments.
5.	Reverse the downward trend and increase the percent of kindergartners protected against measles, mumps and rubella (MMR) from 87.4% to 90% (1,669 more kids) by June 30, 2020 and increase to 95% by June 30, 2023.
	Reverses the downward trend and increase the percent of kindergartners protected against measles, mumps and rubella (MMR) from 87.4% to 90% (1,669 more kids) by June 30, 2020 and increase to 95% by June 30, 2023. Performs targeted programming to increase immunization rates. Supports legislation and policies that promote complete immunization and exemption data in the Colorado Immunization Information System (CIIS).
6.	Colorado will reduce the suicide death rate by 5% by June 30, 2020 and 15% by June 30, 2023.

Creates a roadmap to address suicide in Colorado. Improves youth connections to school, positive peers and caring adults, and promotes healthy behaviors and positive school climate. Decreases stigma associated with mental health and suicide, and increases help-seeking behaviors among working-age males, particularly within high-risk industries. Saves health care costs by reducing reliance on emergency departments and connects to responsive community-based resources.
 The Office of Emergency Preparedness and Response (OEPR) will identify 100% of jurisdictional gaps to inform the required work of the Operational Readiness Review by June 30, 2020.
 Conducts a gap assessment. Updates existing plans to address identified gaps. Develops and conducts various exercises to close gaps.
8. For each identified threat, increase the competency rating from 0% to 54% for outbreak/incident investigation steps by June 30, 2020 and increase to 92% competency rating by June 30, 2023.
 Uses an assessment tool to measure competency for CDPHE's response to an outbreak or environmental incident. Works cross-departmentally to update and draft plans to address identified gaps noted in the assessment. Conducts exercises to measure and increase performance related to identified gaps in the outbreak or incident response plan.
9. 100% of new technology applications will be virtually available to customers, anytime and anywhere, by June 20, 2020 and 90 of the existing applications by June 30, 2023.
 Implements the CDPHE Digital Transformation Plan. Optimizes processes prior to digitizing them. Improves data dissemination and interoperability methods and timeliness.
10. Reduce CDPHE's Scope 1 & 2 Greenhouse Gas emissions (GHG) from 6,561 metric tons (in FY2015) to 5,249 metric tons (20% reduction) by June 30, 2020 and 4,593 tons (30% reduction) by June 30, 2023.
Reduces emissions from employee commuting Reduces emissions from CDPHE operations
11. Fully implement the roadmap to create and pilot using a budget equity assessment by June 30, 2020 and increase the percent of selected budgets using the equity assessment from 0% to 50% by June 30, 2023.
Used a budget equity assessment

Advance CDPHE Division-level strategic priorities.
 Identify division strategic plan item or strategic priority

The costs and benefits of the proposed rule will not be incurred if inaction was chosen. Costs and benefits of inaction not previously discussed include:

The cost of inaction will result in Colorado regulations being inconsistent with the national framework and federal regulations pertaining to use, security and transportation of select radioactive materials at facilities. Failing to have final regulations that are compatible with those of the NRC could result in enhanced regulatory oversight of the radiation program and potential revocation of authorization as an agreement state.

 A determination of whether there are less costly methods or less intrusive methods for achieving the purpose of the proposed rule.

Rulemaking is proposed when it is the least costly method or the only statutorily allowable method for achieving the purpose of the statute or state agreement. The specific revisions proposed in this rulemaking make no substantive changes and impose no new requirements. Local stakeholders were given the opportunity to provide feedback regarding these proposed changes, but no comments were received. The benefits, risks and costs of these proposed revisions were compared to the costs and benefits of other options. The proposed revisions provide the most benefit for the least amount of cost, are the minimum necessary or are the most feasible manner to achieve compliance with statute and federal regulations.

6. Alternative Rules or Alternatives to Rulemaking Considered and Why Rejected.

No alternative rules or alternative rulemaking was considered as the proposed changes are primarily informational in nature and do not substantially modify existing regulations. No stakeholders provided comments or feedback pertaining to either rule. To varying degrees, Colorado's rules pertaining to radiation control must be maintained consistent with the regulations of the U.S. NRC in order to maintain its status as an Agreement State.

7. To the extent practicable, a quantification of the data used in the analysis; the analysis must take into account both short-term and long-term consequences.

With a few exceptions, the proposed changes to the requirements in Part 22 and Part 17 are primarily based upon changes to the overarching federal regulations which establish a national and consistent framework for regulation and transport of certain radioactive materials. The discussion, considerations, and evaluation that resulted in the final federal rule changes may be found through the following documents:

NRC RATS (Regulatory Action Tracking System) 2018-2

NRC RATS 2018-3

NRC RATS 2019-1

NRC RATS 2019-2

Links and information for the associated federal register entry are contained within the above NRC regulatory tracking system documents.

STAKEHOLDER ENGAGEMENT

for Amendments to
6 CCR 1007-1, Part 22, Physical protection of category 1 and category 2 quantities of radioactive material
6 CCR 1007-1, Part 17, Transportation of radioactive material

State law requires agencies to establish a representative group of participants when considering to adopt or modify new and existing rules. This is commonly referred to as a stakeholder group.

Early Stakeholder Engagement:

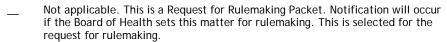
The following individuals and/or entities were invited to provide input and included in the development of these proposed rules:

Organization	Representative Name and Title
	(if known)
All specific radioactive materials licensees in Colorado	Radiation Safety Officer(s)
(~306+).	-
Professional associations, societies and organizations.	NA
Other stakeholders with interest in changes to rules and	NA
regulations pertaining to radiation control.	

Stakeholders were notified of the opportunity to comment on the proposed draft rules, which were posted on the Department website. Due to the limited scope and anticipated impact of the proposed rule changes, no stakeholder meetings were held. No comments were received during the comment period which was held April 6 through May 7, 2020.

Stakeholder Group Notification

The stakeholder group was provided notice of the rulemaking hearing and provided a copy of the proposed rules or the internet location where the rules may be viewed. Notice was provided prior to the date the notice of rulemaking was published in the Colorado Register (typically, the 10th of the month following the Request for Rulemaking).





Yes. This is selected for the rulemaking to document that timely division notification occurred.

Summarize Major Factual and Policy Issues Encountered and the Stakeholder Feedback Received. If there is a lack of consensus regarding the proposed rule, please also identify the Department's efforts to address stakeholder feedback or why the Department was unable to accommodate the request.

The Department received no stakeholder feedback or comments regarding the proposed rules.

No major factual or policy issues were encountered during the rulemaking process.

Please identify the determinants of health or other health equity and environmental justice considerations, values or outcomes related to this rulemaking.

Overall, after considering the benefits, risks and costs, the proposed rule:

Select all that apply.

	Improves behavioral health and mental health; or, reduces substance abuse or suicide risk.		Reduces or eliminates health care costs, improves access to health care or the system of care; stabilizes individual participation; or, improves the quality of care for unserved or underserved populations.
	Improves housing, land use, neighborhoods, local infrastructure, community services, built environment, safe physical spaces or transportation.		Reduces occupational hazards; improves an individual's ability to secure or maintain employment; or, increases stability in an employer's workforce.
	Improves access to food and healthy food options.	х	Reduces exposure to toxins, pollutants, contaminants or hazardous substances; or ensures the safe application of radioactive material or chemicals.
Х	Improves access to public and environmental health information; improves the readability of the rule; or, increases the shared understanding of roles and responsibilities, or what occurs under a rule.		Supports community partnerships; community planning efforts; community needs for data to inform decisions; community needs to evaluate the effectiveness of its efforts and outcomes.
	Increases a child's ability to participate in early education and educational opportunities through prevention efforts that increase protective factors and decrease risk factors, or stabilizes individual participation in the opportunity.		Considers the value of different lived experiences and the increased opportunity to be effective when services are culturally responsive.
х	Monitors, diagnoses and investigates health problems, and health or environmental hazards in the community.		Ensures a competent public and environmental health workforce or health care workforce.
	Other:		Other:

1	DRAFT 2 07/31/2020				
2	DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT				
3	Hazardous Materials and Waste Management Division				
4	RADIATION CONTRO	L - TRANSPORTATION OF RADIOACTIVE MATERIALS			
5	6 CCR 1007-1 Part 17				
6	[Editor's Notes follow the tex	t of the rules at the end of this CCR Document.]			
7					
8	Adopted by the Board	d of Health September 20, 2017 August 19, 2020, effective date November 14,			
9	2017 October 15, 2020				
10	PART 17: TRANSPORTATION OF RADIOACTIVE MATERIALS				
11 12	GENERAL PROVISIO	NS [* * * INDICATES NO CHANGES TO THIS PORTION OF THE RULE]			
13		* * *			
14	17.1.4 Applicability.				
15 16	17.1.4.1	This part applies to any person who transports radioactive material or delivers radioactive material to a carrier for transport.			
17 18 19 20 21	(1)	This part applies in particular to any licensee authorized by specific or general license to receive, possess, use, or transfer licensed material, if the licensee delivers that material to a carrier for transport, transports the material outside the site of usage as specified in the license, or transports that material on a public highway.			

transport is subject to the:

regulations;

Commented [JSJ1]:

Editorial note 1: All comments (such as this one) shown in the right side margin of this draft document are for information only to assist the reader in understanding the proposed rule change during the review and comment process.

These side margin notes are <u>not</u> part of the rule and all comments will be deleted prior to publication of the final rule.

Editorial note 2: Alignment and formatting corrections and minor typographical adjustments may be made in the rule and may not be specifically identified with a side margin comment.

Editorial note 3: The acronym "RATS-20##-#" refers to the U.S. Nuclear Regulatory Commission (NRC) regulatory action tracking system. This system is used to identify and summarize changes to federal regulations that may be required for adoption by an NRC agreement state. To maintain agreement state status, Colorado's radiation regulations must be compatible with federal regulations of the NRC

NRC.
NRC RATS items may be found online at https://scp.nrc.gov/rss_regamendents.html.

Colorado statute also prescribes that the radiation control regulations must be consistent with the model regulations of the Conference of Radiation Control Program Directors, Inc. (CRCPD). To date, the CRCPD model regulation equivalent to part 17 has not been updated for consistency with the 2018 federal rule changes.

Commented [JSJ2]: These dates reflect anticipated adoption and effective dates based on the current rulemaking schedule. Dates are subject to change pending additional review, approvals, and department rulemaking and Board of Health schedule.

17.1.5 Published Material Incorporated by Reference.

(a)

(b)

(c)

(2)

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In accordance with Section 24-4-103(12.5)(c), CRS, https://www.colorado.gov/cdphe/radregs identifies where incorporated material is available to the public on the internet at no cost. If the incorporated material is not available on the internet at no cost to the public, copies of the incorporated material has been provided to the State Publications Depository and Distribution Center, also known as the State Publications Library. The State Librarian at the State Publication Library retains a copy of the material and will make the copy available to the public.

The transport of licensed material or delivery of licensed material to a carrier for

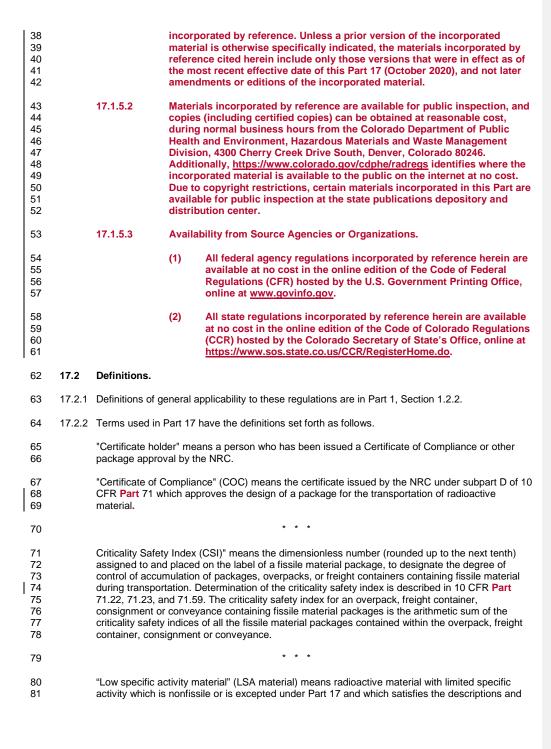
Quality assurance requirements of 10 CFR Part 71; and

General provisions of 17.1 through 17.5, including referenced DOT

Operating controls and procedures requirements of 17.11 through 17.17.

17.1.5.1 Throughout this Part 17, federal regulations, state regulations, and standards or guidelines of outside organizations have been adopted and

Commented [JSJ3]: Provisions are added and revised for this section for consistency with the Colorado Administrative Procedure Act (24-4-103(12.5)(a)(2), CRS).



82 limits set forth in the following section. Shielding materials surrounding the LSA material may not 83 be considered in determining the estimated average specific activity of the package contents. The 84 LSA material must be in one of three groups: 85 86 (3) LSA-III. Solids (e.g., consolidated wastes, activated materials), excluding powders, that satisfy the requirements of 10 CFR Part 71.77, in which: 87 88 89 "Packaging" means the assembly of components necessary to ensure compliance with the 90 packaging requirements of 10 CFR Part 71. It may consist of one or more receptacles, absorbent 91 materials, spacing structures, thermal insulation, radiation shielding, and devices for cooling or 92 absorbing mechanical shocks. The vehicle, tie-down system, and auxiliary equipment may be 93 designated as part of the packaging. 94 95 "Regulations of the DOT" means the regulations in 49 CFR Parts 100-189 and Parts 390-397 96 (October 1, 2016). "Regulations of the NRC" means the regulations in 10 CFR Part 71 (January 1, 2016) for 97 98 purposes of Part 17. 99 LICENSE-RELATED REGULATORY REQUIREMENTS 100 101 Requirement for License. 17.3 102 No person shall transport radioactive material or deliver radioactive material to a carrier for transport except as authorized in a general or specific license issued by the Department, an 103 104 Agreement State, a Licensing State, or NRC, or as exempted in 17.4 105 17.4 Exemptions. 106 Common and contract carriers, freight forwarders, and warehouse workers which are subject to 107 the requirements of the DOT in 49 CFR Part 170 through 189, or the U.S. Postal Service in the 108 Postal Service Manual (Domestic Mail Manual), are exempt from the requirements of Part 17 to 109 the extent that they transport or store radioactive material in the regular course of their carriage for others or storage incident thereto. Common and contract carriers who are not subject to the 110 111 requirements of the DOT or U.S. Postal Service are subject to 17.3 and other applicable 112 requirements of these regulations. 113 17.4.3 Fissile materials meeting the requirements of one of the paragraphs (a) through (f) in 10 CFR 114 115 Part 71.15 are exempt from classification as fissile material, and from the fissile material package standards of 10 CFR Part 71.55 and 10 CFR Part 71.59, but are subject to all other requirements 116 117 of 10 CFR Part 71, except as noted in paragraphs (a) through (f) in 10 CFR Part 71.15. 118 119 17.7 General License: NRC-Approved Packages.

Commented [JSJ4]:

This change removes a term no longer used in the current state or national regulatory scheme.

	la d		
120	17.7.1	A general license is hereby issued to any licensee of the Department to transport, or to deliver to	1
121 122		a carrier for transport, licensed material in a package for which a license, NRC issued Certificate of Compliance, or other approval has been issued by the NRCDepartment.	
123	1772	This general license applies only to a licensee who has a quality assurance program approved by	
124		the Department as satisfying the provisions of Subpart H (excluding 71.101(c)(2), (d), and (e) and	
125		71.107 through 71.125) of 10 CFR Part 71.	
126 	17.7.3	Each licensee issued a general license under Section 17.7.1 shall:	
127		17.7.3.1 Maintain a copy of the NRC issued Certificate of Compliance, or other approval	Y
128		of the package, and the drawings and other documents referenced in the	
129		approval relating to the use and maintenance of the packaging and to the actions	
130		to be taken before shipment;	
131		17.7.3.2 Comply with the terms and conditions of the license, NRC issued Certificate of	
132		Compliance, or other approval issued by the DepartmentNRC, as applicable,	(
133		and the applicable requirements of Subparts A (excluding 71.11), G (excluding	
134		71.85(a)-(c), and 71.91(b)), and H (excluding 71.101(c)(2), (d), and (e) and	
135		71.107 through 71.125) of 10 CFR Part 71; and	
136		17.7.3.3 Prior to the licensee's first use of the package, submit to the Department in	1
137 138		writing:Submit in writing before the first use of the package to: ATTN: Document Control Desk, Director, Division of Fuel Management, Office of	
139		Nuclear Material Safety and Safeguards, using an appropriate method	
140		listed in 10 CFR Part 71.1(a), the licensee's name and license number and	
141		the package identification number specified in the package approval.	
142		(1) The licensee's name and license number; and	Į
143		(2) The package identification number specified in the package approval.	
144	17.7.4	The general license in 17.7.1 applies only when the package approval authorizes use of the	
145		package under this general license.	
1.10	4775	For a Time D or finally metarial postures the design of which was conveyed by NDC hefers April	
146 147	17.7.5	For a Type B or fissile material package, the design of which was approved by NRC before April 1, 1996, the general license in 17.7.1 is subject to additional restrictions of 10 CFR Part 71.19.	
ידין		1, 1330, the general needs in 17.7.113 subject to additional restrictions of 10 of KT art 71.13.	
148	17.8	General Licenses: Use of Foreign-Approved and Other Approved Packages	
149	17 8 1	A general license is issued to any licensee of the Department to transport, or to deliver to a	
150	17.0.1	carrier for transport, licensed material in a package, the design of which has been approved in a	
151		foreign national competent authority certificate, that has been revalidated by the DOT as meeting	
152		the applicable requirements of 49 CFR Part 171.23.	
450	4700		
153 154	17.8.2	Except as otherwise provided in this section, the general license applies only to a licensee who has a quality assurance program approved by the Department as satisfying the applicable	1
155		provisions of 10 CFR Part 71.101 through 71.137, excluding 71.101(c)(2), (d), and (e) and 71.107	
156		through 71.125.	
157	17.8.3	This general license applies only to shipments made to or from locations outside the United	
158		States.	l
159	17.8.4	Each licensee issued a general license under Section 17.8.1 shall:	
160		(1) Maintain a copy of the applicable certificate, the revalidation, and the drawings	
161		(1) Maintain a copy of the applicable certificate, the revalidation, and the drawings and other documents referenced in the certificate, relating to the use and	

and other documents referenced in the certificate, relating to the use and

Commented [JSJ5]: Language is updated in 17.7 based on a prior NRC comment in correspondence dated March 8, 2018 associated with <u>RATS 2015-3</u>, for consistency with the current 10 CFR Part 71.17.

The proposed language clarifies that only NRC issues the Certificate of Compliance document and grants the general license for transportation.

Provision 17.7 is also formatted for alignment.

NRC Compatibility B.

Commented [JSJ6]: Based on NRC comments in correspondence dated April 24, 2020 received during the 2020 comment period, the current rule language is retained to continue to require that the Department reviews the (package) quality assurance program for a Colorado licensee.

NRC Compatibility B.

Commented [JSJ7]: For consistency with 10 CFR 71.17(c)(3), NRC comments dated March 8, 2018 rescind a prior (2017) comment indicating the licensee should submit documentation to the Department before the first use of an NRC approved package. As indicated in the proposed draft language, this documentation should instead be submitted to appropriate NRC Division for review.

NRC RATS 2019-2 NRC Compatibility B.

Commented [JSJ8]:

The text of provisions (1) and (2) are incorporated into 17.7.3.3 above, following the format and flow of the federal rule.

Commented [JSJ9]:

Based on NRC comments in correspondence dated April 24, 2020 received during the 2020 comment period, the current rule language is retained to continue to require that the Department reviews the (package) quality assurance program for a Colorado licensee.

NRC Compatibility B.

maintenance of the packaging and to the actions to be taken before shipment;

Comply with the terms and conditions of the certificate and revalidation, and with

162

163 164

(2)

165 the applicable requirements of Part 17, sections 17.1 through 17.5, 17.10 through 166 17.17, and Subparts A (excluding 71.11), G (excluding 71.85(a)-(c), and 71.91(b)), and H (excluding 71.101(c)(2), (d), and (e) and 71.107 through 71.125) 167 168 of 10 CFR Part 71. 17.9 169 **General Licenses: Fissile Material Transport** 170 A general license is hereby issued to any licensee to transport fissile material, or to deliver fissile 171 material to a carrier for transport, if the licensee meets the requirements of 10 CFR Part 71.22 172 and the material is shipped in accordance with 10 CFR Part 71.22 and each applicable 173 requirement of Part 17. 174 17.9.2 A general license is hereby issued to any licensee to transport fissile material in the form of 175 plutonium-beryllium (Pu-Be) special form sealed sources, or to deliver fissile material in the form 176 of plutonium-beryllium (Pu-Be) special form sealed sources to a carrier for transport, if the 177 licensee meets the requirements of 10 CFR Part 71.23 and the material is shipped in accordance 178 with 10 CFR Part 71.23 and each applicable requirement of Part 17. 179 **QUALITY ASSURANCE** 180 17.10 Quality Assurance Requirements. 181 17.10.1 Subpart H of 10 CFR Part 71 describes quality assurance requirements applying to design, Commented [JSJ10]: Language is updated in 17.10.1 to 182 purchase, fabrication, handling, shipping, storing, cleaning, assembly, inspection, testing, address editorial comments in NRC correspondence dated operation, maintenance, repair, and modification of components of packaging that are important March 8, 2018. 183 to safety. As used in Subpart H of 10 CFR Part 71, "quality assurance" comprises all those 184 planned and systematic actions necessary to provide adequate confidence that a system or 185 186 component will perform satisfactorily in service. Quality assurance includes quality control, which 187 comprises those quality assurance actions related to control of the physical characteristics and 188 quality of the material or component to predetermined requirements. 189 17.10.2 Each licensee is responsible for satisfying the applicable quality assurance requirements that Commented [JSJ11]: Provision is numbered and language 190 apply to its use of a packaging for the shipment of licensed material subject to the applicable is updated in 17.10.2 to address editorial comments in NRC correspondence dated March 8, 2018. 191 requirements of set forth in Subpart H of 10 CFR Part 71 (excluding 10 CFR 71.101(c)(2), (d), 192 and (e) and 10 CFR 71.107 through 71.125). 193 17.10.3 Before the use of any package for the shipment of licensed material subject to Subpart H Commented [JSJ12]: Provision added for consistency with 194 of 10 CFR Part 71, each licensee shall obtain Department approval of its quality assurance 195 program. Each licensee shall file with the Department, a description of its quality As annotated by NRC in RATS 2019-2, the proposed 196 assurance program, including a discussion of which requirements of Subpart H of 10 CFR language clarifies that for Agreement State (Colorado) 197 Part 71 are applicable and how they will be satisfied. licensees, the Department rather than NRC is to approve the quality assurance program before the use of a package for shipment of licensed material that is subject to the 198 17.10.24 Radiography containers. requirements of Subpart H of 10 CFR Part 71. 199 A program for transport container inspection and maintenance limited to radiographic exposure NRC Compatibility C. 200 devices, source changers, or packages transporting these devices and meeting the requirements 201 of Part 5, sections 5.12(4).4 through 5.12(6).6 or equivalent Agreement State or NRC 202 requirement, is deemed to satisfy the requirements of 17.7.2 and 10 CFR Part 71.101(b). 203 17.11 Advance Notification of Shipment of Nuclear Waste. Commented [JSJ13]: Section 17.11 formatted for alignment. 204 17.11.1 As specified in 17.11.3, 17.11.4, and 17.11.5, each licensee shall provide advance notification to 205 the governor of a state, or the governor's designee, of the shipment of licensed material (nuclear

206 207 208 209 210 211 212 213	waste), within or across the boundary of the state, before the transport, or delivery to a carrier, for transport, of licensed material outside the confines of the licensee's plant or other place of use or storage. 17.11.2 As specified in 17.11.3, 17.11.4, and 17.11.5 of this section, after June 11, 2013, each licensee shall provide advance notification to the Tribal official of participating Tribes referenced in 17.11.4.3(3), or the official's designee, of the shipment of licensed material, within or across the boundary of the Tribe's reservation, before the transport, or delivery to a carrier, for transport, of licensed material outside the confines of the licensee's plant or other place of use or storage.						
214 215	17.11.3 Advance notifi	cation is also required under this section for the shipment of licensed material, diated fuel, meeting the following three conditions:					
216 217	17.11.3.1	The licensed material is required by this part to be in Type B packaging for transportation;					
218 219	17.11.3.2	The licensed material is being transported to or across a state boundary en route to a disposal facility or to a collection point for transport to a disposal facility; and					
220 221	17.11.3.3	The quantity of licensed material in a single package exceeds the least of the following:					
222 223	(1)	3000 times the A_1 value of the radionuclides as specified in Appendix 17A, Table A1 for special form radioactive material; or					
224 225	(2)	3000 times the $\rm A_2$ value of the radionuclides as specified in Appendix 17A, Table A1 for normal form radioactive material; or					
226	(3)	1000 TBq (27,000 Ci).					
227	17.11.4 Procedures fo	r submitting advance notification					
228	17.11.4.1	The notification must be made in writing to:					
229	(1)	The office of each appropriate governor or governor's designee;					
230	(2)	The office of each appropriate Tribal official or Tribal official's designee;					
231	(3)	The Department-; and					
232	(4)	The NRC's Director, Office of Nuclear Security and Incident Response.	Co				
233 234 235	17.11.4.2	A notification delivered by mail must be postmarked at least 7 days before the beginning of the 7 day period during which departure of the shipment is estimated to occur.	Ba mo no Pa				
236 237 238 239	17.11.4.3	A notification delivered by any other means than mail must reach the office of the governor or of the governor's designee or the Tribal official, or Tribal official's designee at least 4 days before the beginning of the 7-day period during which departure of the shipment is estimated to occur.	NI				
240 241 242	(1)	A list of the names and mailing addresses of the governors' designees receiving advance notification of transportation of nuclear waste was published in the Federal Register on June 30, 1995 (60 FR 34306)					
243 244	(2)	Contact information for each State, including telephone and mailing addresses of governors and governors' designees, and participating Tribes, including					

Commented [JSJ14]:
Based on NRC comments dated April 24, 2020, language is modified and added to ensure the appropriate NRC office is notified of these shipments, and for consistency with 10 CFR Part 71.97.

NRC Compatibility B. NRC RATS 2018-2.

245 246		telephone and mailing addresses of Tribal officials and Tribal official's designees, is available on the NRC Web site at: https://scp.nrc.gov/special/designee.pdf.
247 248 249 250 251 252	(3)	A list of the names and mailing addresses of the governor's designees and Tribal official's designees of participating Tribes is available on request from the Director, Division of Material Safety, State, Tribal, and RulemakingMaterials Safety, Security, State, and Tribal Programs, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.
253	17.11.4.4	The licensee shall retain a copy of the notification as a record for 3 years.
254	17.11.5 Information to b	be furnished in advance notification of shipment.
255 256	17.11.5.1	Each advance notification of nuclear waste shall contain the following information:
257 258	(1)	The name, address, and telephone number of the shipper, carrier, and receiver of the nuclear waste shipment;
259 260	(2)	A description of the nuclear waste contained in the shipment, as required by 49 CFR Part 172.202 and 172.203(d);
261 262	(3)	The point of origin of the shipment and the 7-day period during which departure of the shipment is estimated to occur;
263 264	(4)	The 7-day period during which arrival of the shipment at state boundaries or Tribal reservation boundaries is estimated to occur;
265 266	(5)	The destination of the shipment, and the 7-day period during which arrival of the shipment is estimated to occur; and
267	(6)	A point of contact with a telephone number for current shipment information.
268	17.11.6 Revision notice	
269 270 271	17.11.6.1	A licensee who finds that schedule information previously furnished to a governor or governor's designee or a Tribal official or Tribal official's designee, in accordance with this section, will not be met, shall:
272 273 274 275	(1)	Telephone a responsible individual in the office of the governor of the state or of the governor's designee or the Tribal official or Tribal official's designee an inform that individual of the extent of the delay beyond the schedule originally reported; and
276	(2)	Maintain a record of the name of the individual contacted for 3 years.
277	17.11.7 Cancellation no	otice
278 279	17.11.7.1	Each licensee who cancels a nuclear waste shipment, for which advance notification has been sent, shall:
280 281 282 283	(1)	Send a cancellation notice to the governor of each state, or governor's designee previously notified, each Tribal official or Tribal official's designee previously notified, the NRC's Director, Office of Nuclear Security and Incident Response, and to the Department;

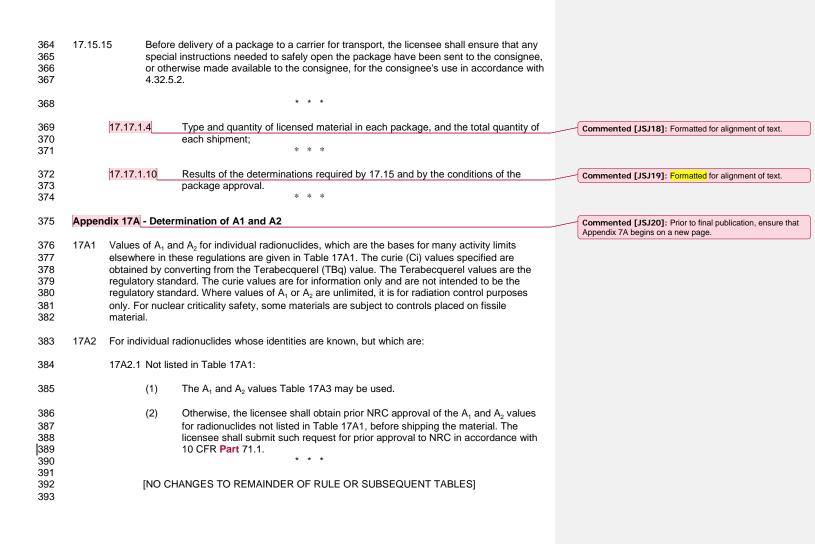
Commented [JSJ15]: Due to an NRC organizational change, the Division title is updated, consistent with the 2018 changes to 10 CFR 71.97(c)(3)(iii).

NRC Compatibility B NRC <u>RATS 2018-3</u>

Commented [JSJ16]: Following additional clarification from NRC this language is updated, consistent with a similar change made to 17.11.4.1(4).

284 285	(2)	State in the notice that it is a cancellation and identify the advance notification that is being cancelled; and	
286 287	(3)	Retain a copy of the notice for 3 years. * * *	
288	17.14 Preliminary D	eterminations.	
289 290 291		any packaging for the shipment of radioactive material the licensee shall ascertain s in paragraphs (a) through (c) of 10 CFR Part 71.85 have been made by the	
292 293	17.15 Routine Dete	rminations.	
294 295 296		part of the package which could be used to lift or tie down the package during ndered inoperable for the purpose unless it satisfies design requirements specified t 71.45;	
297 298 299		on-fixed (removable) radioactive contamination on the external surfaces of each ed for shipment is as low as reasonably achievable and within the limits specified in 73.443.	
300 301 302 303		Determination of the level of non-fixed (removable) contamination shall be based wiping an area of 300 square centimeters of the surface concerned with an bent material, using moderate pressure, and measuring the activity on the wiping al.	
304 305	(1)	The number and location of measurements shall be sufficient to yield a representative assessment of the removable contamination levels.	
306 307	(2)	Other methods of assessment of equal or greater detection efficiency may be used.	
308 309	17.15.8.2 highw	In the case of packages transported as exclusive use shipments by rail or ay only, the non-fixed (removable) radioactive contamination:	
310 311	(1)	At the beginning of transport shall not exceed the levels specified in 49 CFR Part 173.443; and	
312 313	(2)	At any time during transport shall not exceed 10 times the levels specified in 49 CFR Part 173.443.	
314 315	17.15.9 External radiate exceed:	ion levels around the package and around the vehicle, if applicable, shall not	Commented [JSJ17]: Sections 17.15.9 through 7.15.15 are formatted for alignment of text.
316 317	17.15.9.1	2 mSv/h (200 millirem per hour) at any point on the external surface of the package at any time during transportation;	
318	17.15.9.2	A transport index of 10.0.	
319 320 321	extern	package transported in exclusive use by rail, highway or water, radiation levels al to the package may exceed the limits specified in 17.15.9 but shall not exceed the following:	

322 323 324			2 mSv/h (200 millirem per hour) on the accessible external surface of the package unless the following conditions are met, in which case the limit is 10 mSv/h (1000 millirem per hour);
325		(1)	The shipment is made in a closed transport vehicle,
326 327		(2)	Provisions are made to secure the package so that its position within the vehicle remains fixed during transportation, and
328 329		(3)	No loading or unloading operation occurs between the beginning and end of the transportation.
330 331 332 333 334			2 mSv/h (200 millirem per hour) at any point on the outer surface of the vehicle, including the upper and lower surfaces, or, in the case of a flat-bed style vehicle, with a personnel barrier, at any point on the vertical planes projected from the outer edges of the vehicle, on the upper surface of the load (or enclosure, if used), and on the lower external surface of the vehicle;
335 336		(1)	A flat bed style vehicle with a personnel barrier shall have radiation levels determined at vertical planes.
337 338		(2)	If no personnel barrier is in place, the package cannot exceed 2 mSv/h (200 millirem per hour) at any accessible surface.
339 340 341 342			0.1 mSv/h (10 millirem per hour) at any point 2 meters from the vertical planes represented by the outer lateral surfaces of the vehicle, or, in the case of a flatbed style vehicle, at any point 2 meters from the vertical planes projected from the outer edges of the vehicle; and
343 344 345 346 347	4 5 5		0.02 mSv/h (2 millirem per hour) in any normally occupied positions of the vehicle, except that this provision does not apply to private motor carriers when persons occupying these positions are provided with special health supervision, personnel radiation exposure monitoring devices, and training in accordance with 10.3; and
348 349 350	specifi		ipments made under the provisions of Section 17.15.10, the shipper shall provide ic written instructions to the carrier for maintenance of the exclusive use shipment ls. The instructions must be included with the shipping paper information.
351 352			ritten instructions required for exclusive use shipments must be sufficient so that, followed, they will cause the carrier to avoid actions that will:
353	17.15.	12.1	Unnecessarily delay delivery; or
354 355	17.15.	12.2	Unnecessarily result in increased radiation levels or radiation exposures to transport workers or members of the general public.
356 357 358 359 360 361	17.15.13	(38 de tempe use sh shipm	kage must be prepared for transport so that in still air at 100 degrees Fahrenheit grees Celsius) and in the shade, no accessible surface of a package would have a rature exceeding 50 degrees Celsius (122 degrees Fahrenheit) in a nonexclusive hipment or 82 degrees Celsius (185 degrees Fahrenheit) in an exclusive use ent. Accessible package surface temperatures shall not exceed these limits at any uring transportation.
362 363	•		kage may not incorporate a feature intended to allow continuous venting during ort.



1	DRAFT 2 07/30/2020					
2	DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT					
3	Hazardous Materials and Waste Management Division					
4 5	RADIATION CONTROL – PHYSICAL PROTECTION OF CATEGORY 1 AND CATEGORY 2 QUANTITIES OF RADIOACTIVE MATERIAL					
6	6 CCR 1007-1 Part 22		Commented [JSJ21]:			
7	[Editor's Notes follow the text of the rules at the end of this CCR Document.]		Editorial note 1: All comments (such as this one) shown in the right side margin of this draft document are for information			
8 9 10	Adopted by the Board of Health on May 17, 2017 August 19, 2020; effective June 30, 2017 October 15, 2020.		purposes only to assist the reader in understanding the proposed rule change during the review and comment process. These side margin notes are <u>not</u> part of the rule and all comments will be deleted prior to publication of the final rule.			
11	Affected licensees shall be compliant with this Part on or before March 19, 2016		Editorial note 2: Alignment and formatting corrections and minor typographical adjustments may be made in the rule and may not be specifically identified with a side margin comment.			
12 13	PHYSICAL PROTECTION OF CATEGORY 1 AND CATEGORY 2 QUANTITIES OF RADIOACTIVE MATERIAL		Editorial note 3: The acronym "RATS-20##-#" refers to the U.S. Nuclear Regulatory Commission (NRC) regulatory action tracking system. This system is used to identify and			
14	22.1 Authority.		summarize changes to federal regulations that may be required for adoption by an NRC agreement state. To maintain agreement state status, Colorado's radiation			
15 16	22.1.1 Rules and regulations set forth herein are adopted pursuant to the provisions of section 25-1-108, 25-1.5-101(1)(k) and (1)(l), and 25-11-104, CRS.		regulations must be compatible with federal regulations of the NRC. NRC RATS items may be found online at https://scp.nrc.gov/rss_regamendents.html .			
17	Section A – General provisions	. \	Colorado statute also prescribes that the radiation control regulations must be consistent with the model regulations of			
18	the Conference of Radiation Control Program Directors In					
19	[* * * INDICATES NO CHANGES TO THIS PORTION OF THE RULE]	\\ '	part 22 has not been updated for consistency with the 2018 or later federal rule changes.			
20 21	* * * 22.2.2 Applicability.		Commented [JSJ22]: These dates reflect anticipated adoption and effective dates based on the current rulemaking schedule. Dates are subject to change pending additional review, approvals, and department rulemaking and Board of Health schedules.			
22	22.2.2.1 This Part applies Sections B and C of this part apply to any person who, under	\	Commented [JSJ23]: Here and throughout the rule, section			
23 24	the se regulations of 22.8 through 22.23, possesses or uses at any site, an aggregated category 1 or category 2 quantity of radioactive material.		designations (section A, section B, etc.) are added to parallel the subpart structure found in 10 CFR Part 37. These section headers are then referenced in the rule body/text, consistent with the equivalent provisions referenced in 10 CFR Part 37.			
25 26	22.2.2.2 This PartSection D of this part applies to any person who, under these regulations of 22.24 through 22.29:		Commented [JSJ24]: Section 22.2 is formatted for alignment.			
27 28	(1) Transports or delivers to a carrier for transport in a single shipment, a category 1 or category 2 quantity of radioactive material; or					
29 30	(2) Imports or exports a category 1 or category 2 quantity of radioactive material; the provisions only apply to the domestic portion of the transport.					
31 32	22.2.2.3 In accordance with Section 24-4-103(12.5)(c), CRS, https://www.colorado.gov/cdphe/radregs identifies where incorporated material is		Commented [JSJ25]: This provision is replaced by the new/revised provisions in 22.2.3.			
32 33 34 35 36 37	available to the public on the internet at no cost. If the incorporated material is not available on the internet at no cost. If the incorporated material is not available on the internet at no cost to the public, copies of the incorporated material has been provided to the State Publications Depository and Distribution Center, also known as the State Publications Library. The State Librarian at the State Publication Library retains a copy of the material and will make the copy available to the public.		HEWITCHER PHOVISIONS III 22.2.3.			

38 22.2.3 Published material incorporated by reference. 39 22.2.3.1 Throughout this Part 22, federal regulations, state regulations, and 40 standards or guidelines of outside organizations have been adopted and incorporated by reference. 41 incorporated by reference. Unless a prior version of the incorporated 42 material is otherwise specifically indicated, the materials incorporated by 43 reference cited herein include only those versions that were in effect as of 44 the most recent effective date of this Part 22 (October 15, 2020), and not 45 later amendments or editions of the incorporated material. 46 22.2.3.2 Materials incorporated by reference are available for public inspection, and copies (including certified copies) can be obtained at reasonable cost, 47 48 during normal business hours from the Colorado Department of Public 49 Health and Environment, Hazardous Materials and Waste Management Division, 4300 Cherry Creek Drive South, Denver, Colorado 80246. 50 51 Additionally, https://www.colorado.gov/cdphe/radregs identifies where the 52 incorporated federal and state regulations are available to the public on the 53 internet at no cost. A copy of the materials incorporated in this Part is 54 available for public inspection at the state publications depository and 55 distribution center. 56 22.2.3.3 Availability from Source Agencies or Organizations. (1) All federal agency regulations incorporated by reference herein are available at no cost in the online edition of the Code of Federal 58 59 Regulations (CFR) hosted by the U.S. Government Printing Office, online at www.govinfo.gov. 60 61 (2) All state regulations incorporated by reference herein are available at no cost in the online edition of the Code of Colorado Regulations 62 (CCR) hosted by the Colorado Secretary of State's Office, online at 63 64 https://www.sos.state.co.us/CCR/RegisterHome.do. 65 22.3 Definitions. 66 67 "Approved individual" means an individual whom the licensee has determined to be trustworthy and 68 reliable for unescorted access in accordance with 22.8 through 22.14section B of this part and who has 69 completed the training required by 22.16.3. 70 71 22.4 Communications. Commented [JSJ271: 72 Except where otherwise specified, all communications, reports, and notifications concerning or required by the regulations in this Part shall be sent via email to CDPHE_hmradmat@state.co.us. Hardcopy 73 74 documents should be mailed to Radiation Program - HMWMD, Colorado Department of Public Health 75 and Environment, 4300 Cherry Creek Drive South, Denver, CO 80246-1530. 76 22.5 Reserved.

22.6.1 The Department may, upon application of any interested person or upon its own initiative, grant

such exemptions from the requirements of the regulations in this Part as it determines are

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Specific Exemptions.

Commented [JSJ26]:

Provisions in section 22.2.3, are revised and amended for consistency with the Colorado Administrative Procedure Act (24-4-103(12.5)(a)(2), CRS) regarding documents

As the department is continuing to move towards less paper documents, this provision updated to include an email address where documents may be sent.

Commented [JSJ28]: Language revised as Colorado may not have the authority specified in the original language

80 81		authorized by law and will not endanger life or property or the common defense and securityphysical protection of material, and are otherwise in the public interest.		
82 83 84 85 86 87	22.6.2	A licensee that possesses radioactive waste that contains category 1 or category 2 quantities of radioactive material is exempt from the requirements of 22.8 through 22.29sections B, C and D of this part. Except that any radioactive waste that contains discrete sources, ion-exchange resins, or activated material that weighs less than 2,000 kg (4,409 lbs) is not exempt from the requirements of this Part. The licensee shall implement the following requirements to secure the radioactive waste:		
88 89		A. Use continuous physical barriers that allow access to the radioactive waste only through established access control points;		
90		B. Use a locked door or gate with monitored alarm at the access control point;		
91 92		C. Assess and respond to each actual or attempted unauthorized access to determine whether an actual or attempted theft, sabotage, or diversion occurred; and		
93 94 95 96		D. Immediately notify the LLEA and request an armed response from the LLEA upon determination that there was an actual or attempted theft, sabotage, or diversion of the radioactive waste that contains category 1 or category 2 quantities of radioactive material.		
97 I	22.7	Reserved		
98 99	Backgr	ound Investigations and Access Authorization ProgramSection B – Background investigations and access authorization program		
100 101	22.8	Personnel Access Authorization Requirements for Category 1 or Category 2 Quantities of Radioactive Material.		
102	22.8.1	General.		
103 104 105		A. Each licensee that possesses an aggregated quantity of radioactive material at or above the category 2 threshold shall establish, implement, and maintain its access authorization program in accordance with the requirements of section B of this Part.		
106 107 108 109		B. An applicant for a new license and each licensee that would become newly subject to the requirements of this Partsection B upon application for modification of its license shall implement the requirements of this section BPart, as appropriate, before taking possession of an aggregated category 1 or category 2 quantity of radioactive material.		
110 111 112 113		C. Any licensee that has not previously implemented the NRC Security Orders or been subject to the provisions of 22.8 through 22.14this section B shall implement the provisions of 22.8 through 22.14this section B before aggregating radioactive material to a quantity that equals or exceeds the category 2 threshold.		
114		* * *		
115 116 117		D. Licensees may include individuals needing access to safeguards information-modified handling under 10 CFR Part 73 in the access authorization program under section B of this Part22.8 through 22.14.		
118	22.9	Access Authorization Program Requirements.		
119	22.9.1	Granting unescorted access authorization.		

120 121		A.	Licensees shall implement the requirements of section B of this Part for granting initial or reinstated unescorted access authorization.			
122 123 124		B.	Individuals who have been determined to be trustworthy and reliable shall also complete the security training required by 22.16.3 before being allowed unescorted access to category 1 or category 2 quantities of radioactive material.			
125	22.9.2	Reviev	ving officials.			
126 127 128		A.	Reviewing officials are the only individuals who may make trustworthiness and reliability determinations that allow individuals to have unescorted access to category 1 or category 2 quantities of radioactive materials possessed by the licensee.			
129 130 131 132 133 134 135 136 137		B.	Each licensee shall name one or more individuals to be reviewing officials. After completing the background investigation on the reviewing official, the licensee shall provide under oath or affirmation, a certification that the reviewing official is deemed trustworthy and reliable by the licensee. Provide oath or affirmation certifications to the Department. The fingerprints of the named reviewing official must be taken by a law enforcement agency, Federal or State agencies that provide fingerprinting services to the public, or commercial fingerprinting services authorized by a State to take fingerprints. The licensee shall re-certify that the reviewing official is deemed trustworthy and reliable every 10 years in accordance with 22.10.3.			
138 139 140			 The oath or affirmation certifications required by 22.9.2.B shall be provided to the Department within 30 days of naming a new or additional individual as a reviewing official. 			
141 142			2. The licensee shall notify the Department in writing within 30 days of revoking a reviewing official certification.			
143 144 145 146		C.	Reviewing officials must be permitted to have unescorted access to category 1 or category 2 quantities of radioactive materials or access to safeguards information or safeguards information-modified handling, if the licensee possesses safeguards information or safeguards information modified handling.			
147		D.	Reviewing officials cannot approve other individuals to act as reviewing officials.			
148 149		E.	A reviewing official does not need to undergo a new background investigation before being named by the licensee as the reviewing official if:			
150 151 152			 The individual has undergone a background investigation that included fingerprinting and an FBI criminal history records check and has been determined to be trustworthy and reliable by the licensee; or 			
153			2. The individual is subject to a category listed in 22.12.1.			
154	22.9.3	Inform	ed consent.			
155 156 157 158 159 160 161		Α.	Licensees may not initiate a background investigation without the informed and signed consent of the subject individual. This consent must include authorization to share personal information with other individuals or organizations as necessary to complete the background investigation. Before a final adverse determination, the licensee shall provide the individual with an opportunity to correct any inaccurate or incomplete information that is developed during the background investigation. Licensees do not need to obtain signed consent from those individuals that meet the requirements of 22.10.2. A signed			

consent must be obtained prior to any reinvestigation.

161 162

Commented [JSJ29]:
This provision is updated to add clarifying language regarding submission of documentation, consistent with the intent of the 2018 amendments to 10 CFR Part 37.23(b)(2).

Although the proposed language is new to Part 22, the requirement for submission of the reviewing official documentation and notification to the department has been in effect for a number of years through existing licensing activities.

NRC Compatibility B NRC <u>RATS 2018-3</u>

- 163 B. The subject individual may withdraw his or her consent at any time. Licensees shall inform the individual that:
 - If an individual withdraws his or her consent, the licensee may not initiate any elements of the background investigation that were not in progress at the time the individual withdrew his or her consent; and
 - 2. The withdrawal of consent for the background investigation is sufficient cause for denial or termination of unescorted access authorization.

22.9.4 Personal history disclosure.

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A. Any individual who is applying for unescorted access authorization shall disclose the personal history information that is required by the licensee's access authorization program for the reviewing official to make a determination of the individual's trustworthiness and reliability. Refusal to provide, or the falsification of, any personal history information required by section B of this Part is sufficient cause for denial or termination of unescorted access.

22.9.5 Determination basis.

- A. The reviewing official shall determine whether to permit, deny, unfavorably terminate, maintain, or administratively withdraw an individual's unescorted access authorization based on an evaluation of all of the information collected to meet the requirements of section B of this Part.
- B. The reviewing official may not permit any individual to have unescorted access until the reviewing official has evaluated all of the information collected to meet the requirements of section B of this Part and determined that the individual is trustworthy and reliable. The reviewing official may deny unescorted access to any individual based on information obtained at any time during the background investigation.

* * *

188 22.9.6 Procedures.

A. Licensees shall develop, implement, and maintain written procedures for implementing the access authorization program. The procedures must include provisions for the notification of individuals who are denied unescorted access. The procedures must include provisions for the review, at the request of the affected individual, of a denial or termination of unescorted access authorization. The procedures must contain a provision to ensure that the individual is informed of the grounds for the denial or termination of unescorted access authorization and allow the individual an opportunity to provide additional relevant information.

22.9.7 Right to correct and complete information.

- A. Prior to any final adverse determination, licensees shall provide each individual subject to section B of this Part22.8 through 22.14 with the right to complete, correct, and explain information obtained as a result of the licensee's background investigation. Confirmation of receipt by the individual of this notification must be maintained by the licensee for a period of 1 year from the date of the notification.
- B. If, after reviewing his or her criminal history record, an individual believes that it is incorrect or incomplete in any respect and wishes to change, correct, update, or explain anything in the record, the individual may initiate challenge procedures. These procedures include direct application by the individual challenging the record to the law

enforcement agency that contributed the questioned information or a direct challenge as to the accuracy or completeness of any entry on the criminal history record to the Federal Bureau of Investigation, Criminal Justice Information Services (CJIS) Division, ATTN: SCU, Mod. D–2, 1000 Custer Hollow Road, Clarksburg, WV 26306 as set forth in 28 CFR Part 16.30 through 16.34. In the latter case, the Federal Bureau of Investigation (FBI) will forward the challenge to the agency that submitted the data, and will request that the agency verify or correct the challenged entry. Upon receipt of an official communication directly from the agency that contributed the original information, the FBI Identification Division makes any changes necessary in accordance with the information supplied by that agency. Licensees must provide at least 10 days for an individual to initiate action to challenge the results of an FBI criminal history records check after the record being made available for his or her review. The licensee may make a final adverse determination based upon the criminal history records only after receipt of the FBI's confirmation or correction of the record.

* * *

22.10 Background Investigations.

22.10.1 Initial investigation.

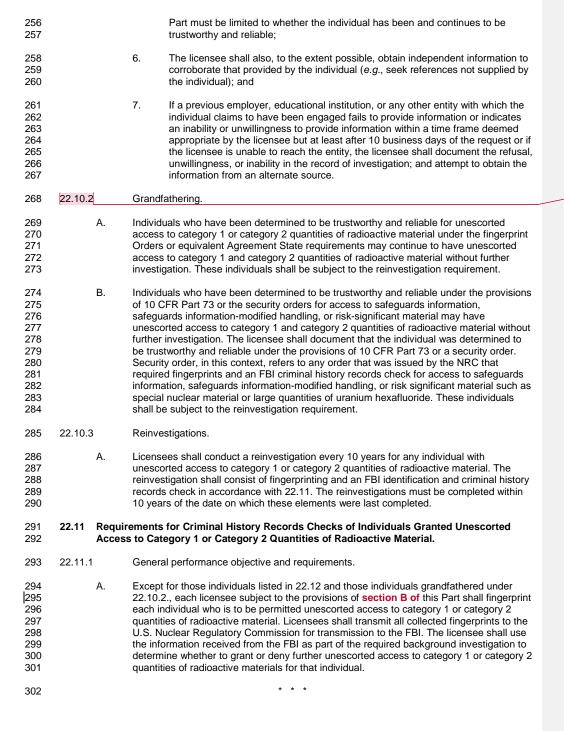
A. Before allowing an individual unescorted access to category 1 or category 2 quantities of radioactive material or to the devices that contain the material, licensees shall complete a background investigation of the individual seeking unescorted access authorization. The scope of the investigation must encompass at least the 7 years preceding the date of the background investigation or since the individual's eighteenth birthday, whichever is shorter. The background investigation must include at a minimum:

- Fingerprinting and an FBI identification and criminal history records check in accordance with 22.11;
- Verification of true identity. Licensees shall verify the true identity of the individual who is applying for unescorted access authorization to ensure that the applicant is who he or she claims to be. A licensee shall review official identification documents (e.g., driver's license; passport; government identification; certificate of birth issued by the state, province, or country of birth) and compare the documents to personal information data provided by the individual to identify any discrepancy in the information. Licensees shall document the type, expiration, and identification number of the identification document, or maintain a photocopy of identifying documents on file in accordance with 22.13. Licensees shall certify in writing that the identification was properly reviewed, and shall maintain the certification and all related documents for review upon inspection;
- Employment history verification. Licensees shall complete an employment history verification, including military history. Licensees shall verify the individual's employment with each previous employer for the most recent 7 years before the date of application;
- Verification of education. Licensees shall verify that the individual participated in the education process during the claimed period;
- 5. Character and reputation determination. Licensees shall complete reference checks to determine the character and reputation of the individual who has applied for unescorted access authorization. Unless other references are not available, reference checks may not be conducted with any person who is known to be a close member of the individual's family, including but not limited to the individual's spouse, parents, siblings, or children, or any individual who resides in the individual's permanent household. Reference checks under section B of this

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Section 22.10.1 is modified for formatting to remove unneeded spaces.

Note that these changes are not shown by strikeout or other indicators.



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This section (22.10.2) modified for formatting to remove unneeded spaces.

D. Fingerprints do not need to be taken if an individual who is an employee of a licensee, contractor, manufacturer, or supplier has been granted unescorted access to category 1 or category 2 quantities of radioactive material, access to safeguards information, or safeguards information-modified handling by another licensee, based upon a background investigation conducted under section B of this Part, the Fingerprint Orders, or 10 CFR Part 73. An existing criminal history records check file may be transferred to the licensee asked to grant unescorted access in accordance with the provisions of 22.13.3.

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311 22.11.2 Prohibitions.

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- B. Licensees may not use information received from a criminal history records check obtained under section B of this Part in a manner that would infringe upon the rights of any individual under the First Amendment to the Constitution of the United States, nor shall licensees use the information in any way that would discriminate among individuals on the basis of race, religion, national origin, gender, or age.
- 318 22.11.3 Procedures for processing of fingerprint checks.

For the purpose of complying with this Part, licensees shall submit to the U.S. Nuclear Regulatory Commission, Director, Division of Facilities and Security, 11545 Rockville Pike, Rockville, MD 20852-2738, ATTN: Criminal History Program, Mail Stop TWB-05 B32M, one completed, legible standard fingerprint card (Form FD-258, ORIMDNRCOOOZ), electronic fingerprint scan or, where practicable, other fingerprint record for each individual requiring unescorted access to category 1 or category 2 quantities of radioactive material. Copies of these forms may be obtained by writing the Office of the Chief Information Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, by calling 1-630-829-9565, or by email to FORMS.Resource@nrc.gov. Guidance on submitting electronic fingerprints can be found at http://www.nrc.gov/site-help/e-submittals.html.For the purposes of complying with this section B, licensees shall use an appropriate method listed in 10 CFR Part 37.7 to submit to the U.S. Nuclear Regulatory Commission, Director, Division of Physical and Cyber Security Policy, 11545 Rockville Pike, ATTN: Criminal History Program/Mail Stop T-8B20, Rockville, MD 20852, one completed, legible standard fingerprint card (Form FD-258, ORIMDNRCOOOZ), electronic fingerprint scan or, where practicable, other fingerprint record for each individual requiring unescorted access to category 1 or category 2 quantities of radioactive material. Copies of these forms may be obtained by emailing MAILSVS.Resource@nrc.gov. Guidance on submitting fingerprints can be found at https://www.nrc.gov/security/chp.html.

B. Fees for the processing of fingerprint checks are due upon application. Licensees shall submit payment with the application for the processing of fingerprints through corporate check, certified check, cashier's check, money order, or electronic payment, made payable to "U.S. NRC." (For guidance on making electronic payments, contact the Security Branch, Division of Facilities and Security at 301-492-3531.) (For guidance on making electronic payments, contact the Division of Physical and Cyber Security Policy by e-mailing Crimhist.Resource@nrc.gov.) Combined payment for multiple applications is acceptable. The U.S. Nuclear Regulatory Commission publishes the amount of the fingerprint check application fee on the NRC's public Web site. (To find the current fee amount, go to the Electronic Submittals page at http://www.nrc.gov/site-help/e-submittals.html and see the link for the Criminal History Program under Electronic Submission Systems.)(To find the current fee amount, go to the Licensee Criminal History Records Checks & Firearms Background Check information page at https://www.nrc.gov/security/chp.html and see the link for How do I determine how much to pay for the request?).

Commented [JSJ32]:

This provision is amended for consistency with the November 18, 2019 technical corrections to 10 CFR Part 37.27(c)(1), due to changes in NRC organizational structure and contact information

Licensees will use this updated information in order to submit fingerprinting information to NRC.

NRC Compatibility B

Commented [JSJ33]:

This provision is amended for consistency with the November 18, 2019 technical corrections to 10 CFR Part 37.27(c)(2), due to changes in NRC organizational structure and contact information.

Licensees will require this updated information in order to submit payment for fingerprinting processing.

NRC Compatibility B

354 355 356		C.	The U.S. Nuclear Regulatory Commission will forward to the submitting licensee all data received from the FBI as a result of the licensee's application(s) for criminal history records checks.
357 358 359	22.12	Eleme	from Fingerprinting, Identification, and Criminal History Records Checks and Other ents of Background Investigations for Designated Categories of Individuals Permitted corted Access to Certain Radioactive Materials.
360 361 362 363	22.12.	1	Fingerprinting, and the identification and criminal history records checks required by section 149 of the Atomic Energy Act of 1954, as amended, and other elements of the background investigation are not required for the following individuals prior to granting unescorted access to category 1 or category 2 quantities of radioactive materials:
364 365		A.	An employee of the Commission or of the Executive Branch of the U.S. Government who has undergone fingerprinting for a prior U.S. Government criminal history records check;
366		B.	A Member of Congress;
367 368		C.	An employee of a member of Congress or Congressional committee who has undergone fingerprinting for a prior U.S. Government criminal history records check;
369		D.	The Governor of a State or his or her designated State employee representative;
370		E.	Federal, State, or local law enforcement personnel;
371 372		F.	State Radiation Control Program Directors and State Homeland Security Advisors or their designated State employee representatives;
373 374		G.	Agreement State employees conducting security inspections on behalf of the NRC under an agreement executed under section 274.i. of the Atomic Energy Act;
375 376 377		H.	Representatives of the International Atomic Energy Agency (IAEA) engaged in activities associated with the U.S./IAEA Safeguards Agreement who have been certified by the NRC;
378		I.	Emergency response personnel who are responding to an emergency;
379 380		J.	Commercial vehicle drivers for road shipments of category 1 and category 2 quantities of radioactive material;
381		K.	Package handlers at transportation facilities such as freight terminals and railroad yards;
382 383 384 385 386 387		L.	Any individual who has an active Federal security clearance, provided that he or she makes available the appropriate documentation. Written confirmation from the agency/employer that granted the Federal security clearance or reviewed the criminal history records check must be provided to the licensee. The licensee shall retain this documentation for a period of 3 years from the date the individual no longer requires unescorted access to category 1 or category 2 quantities of radioactive material; and
388 389 390 391 392 393 394		M.	Any individual employed by a service provider licensee for which the service provider licensee has conducted the background investigation for the individual and approved the individual for unescorted access to category 1 or category 2 quantities of radioactive material. Written verification from the service provider must be provided to the licensee. The licensee shall retain the documentation for a period of 3 years from the date the individual no longer requires unescorted access to category 1 or category 2 quantities of radioactive material.

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395 396 397 398 399 400 401 402 403 404	22.12.2	Fingerprinting, and the identification and criminal history records checks required by section 149 of the Atomic Energy Act of 1954, as amended, are not required for an individual who has had a favorably adjudicated U.S. Government criminal history records check within the last 5 years, under a comparable U.S. Government program involving fingerprinting and an FBI identification and criminal history records check provided that he or she makes available the appropriate documentation. Written confirmation from the agency/employer that reviewed the criminal history records check must be provided to the licensee. The licensee shall retain this documentation for a period of 3 years from the date the individual no longer requires unescorted access to category 1 or category 2 quantities of radioactive material. These programs include, but are not limited to:	
405 I	A.	National Agency Check;	
406	B.	Transportation Worker Identification Credentials (TWIC) under 49 CFR partPart 1572;	
407 408	C.	Bureau of Alcohol, Tobacco, Firearms, and Explosives background check and clearances under 27 CFR partPart 555;	
409 410	D.	Health and Human Services security risk assessments for possession and use of select agents and toxins under 42 CFR partPart 73;	
411 412	E.	Hazardous Material security threat assessment for hazardous material endorsement to commercial driver's license under 49 CFR partPart 1572; and	
413	F.	Customs and Border Protection's Free and Secure Trade (FAST) Program.	
414	22.13 Prote	ction of Information.	Commented [JSJ35]:
415 416 417 418	22.13.1	Each licensee who obtains background information on an individual under section B of this Part shall establish and maintain a system of files and written procedures for protection of the record and the personal information from unauthorized disclosure. The licensee may not disclose the record or personal information collected and	The following sections are formatted for alignment of text and to remove unneeded spaces: 22.13.1 22.13.2 22.13.3 22.13.4 22.13.5
419 420 421 422 423 424		maintained to persons other than the subject individual, his or her representative, or to those who have a need to have access to the information in performing assigned duties in the process of granting or denying unescorted access to category 1 or category 2 quantities of radioactive material, safeguards information, or safeguards information-modified handling. No individual authorized to have access to the information may disseminate the information to any other individual who does not have a need to know.	
425 426	22.13.3	The personal information obtained on an individual from a background investigation may be provided to another licensee:	
427 428	A.	Upon the individual's written request to the licensee holding the data to disseminate the information contained in his or her file; and	
429	B.	The recipient licensee verifies information such as name, date of birth, social security	

number, gender, and other applicable physical characteristics.

determine compliance with the regulations and laws.

The licensee shall make background investigation records obtained under section B of this Part available for examination by an authorized representative of the Department to

indicating no record) received from the FBI, or a copy of these records if the individual's

The licensee shall retain all fingerprint and criminal history records (including data

file has been transferred, on an individual for 3 years from the date the individual no

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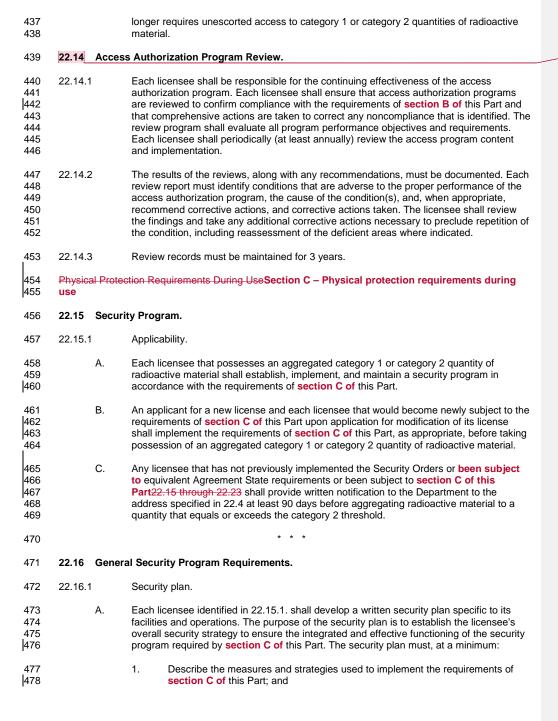
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The following sections are formatted for alignment of text and to remove unneeded spaces:

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479 480		Identify the security resources, equipment, and technology used to satisfy the requirements of section C of this Part.			
481 482	B.	The security plan must be reviewed and approved by the individual with overall responsibility for the security program.			
483 484	C.	A licensee shall revise its security plan as necessary to ensure the effective implementation of Department requirements. The licensee shall ensure that:			
485 486		 The revision has been reviewed and approved by the individual with overall responsibility for the security program; and 			
487 488		2. The affected individuals are instructed on the revised plan before the changes are implemented.			
489 490 491	D.	The licensee shall retain a copy of the current security plan as a record for 3 years after the security plan is no longer required. If any portion of the plan is superseded, the licensee shall retain the superseded material for 3 years after the record is superseded.			
492	22.16.2	Implementing procedures.			
493 494 495	A.	The licensee shall develop and maintain written procedures that document how the requirements of section C of this Part and the security plan will be met.			
496		* * *			
497	22.16.4	Protection of information.			
498 499 500 501	A.	Licensees authorized to possess category 1 or category 2 quantities of radioactive material shall limit access to and unauthorized disclosure of their security plan, implementing procedures, and the list of individuals that have been approved for unescorted access.			
502 503 504 505 506	B.	Efforts to limit access shall include the development, implementation, and maintenance o written policies and procedures for controlling access to, and for proper handling and protection against unauthorized disclosure of, the security plan and implementing procedures, and the list of individuals that have been approved for unescorted access.			
507 508 509	C.	Before granting an individual access to the security plan, er-implementing procedures, or the list of individuals that have been approved for unescorted access, licensees shall:			
510 511 512		 Evaluate an individual's need to know the security plan, er-implementing procedures, or the list of individuals that have been approved for unescorted access; and 			
513 514 515 516 517 518 519		2. If the individual has not been authorized for unescorted access to category 1 or category 2 quantities of radioactive material, safeguards information, or safeguards information-modified handling, the licensee must complete a background investigation to determine the individual's trustworthiness and reliability. A trustworthiness and reliability determination shall be conducted by the reviewing official and shall include the background investigation elements contained in 22.10.1.A.2. through 22.10.1.A.7.			

Commented [JSJ37]:
New (repeated) language is added to several provisions in 22.16.4 for consistency with the 2018 amendments to 10 CFR Part 37.43.

The amended language provides clarification that the list of approved individuals must be maintained in a secure manner similar to other security related documents and information.

Licensees will be required to make minor changes to their security plan and/or procedures as a result of this change.

NRC Compatibility C NRC <u>RATS 2018-3</u>

521			elements for protection of information:
522			1. The categories of individuals listed in 22.12.1.A. through 22.12.1.M; or
523 524 525 526			 Security service provider employees, provided written verification that the employee has been determined to be trustworthy and reliable, by the required background investigation in 22.10.1.A.2 through 22.10.1.A.7, has been provided by the security service provider.
527 528 529		E	The licensee shall document the basis for concluding that an individual is trustworthy and reliable and should be granted access to the security plan, or implementing procedures, or the list of individuals that have been approved for unescorted access.
530 531 532 533 534 535 536 537 538 539		F.	Licensees shall maintain a list of persons currently approved for access to the security plan or-implementing procedures, or the list of individuals that have been approved for unescorted access. When a licensee determines that a person no longer needs access to the security plan, or-implementing procedures, or the list of individuals that have been approved for unescorted access, or no longer meets the access authorization requirements for access to the information, the licensee shall remove the person from the approved list as soon as possible, but no later than 7 working days, and take prompt measures to ensure that the individual is unable to obtain the security plan, or-implementing procedures, or the list of individuals that have been approved for unescorted access.
540 541 542 543		G.	When not in use, the licensee shall store its security plan, and implementing procedures, and the list of individuals that have been approved for unescorted access in a manner to prevent unauthorized access. Information stored in nonremovable electronic form must be password protected.
544		H.	The licensee shall retain as a record for 3 years after the document is no longer needed:
545			1. A copy of the information protection procedures; and
546 547 548			 The list of individuals approved for access to the security plan, er-implementing procedures, or the list of individuals that have been approved for unescorted access.
549	22.17	LLEA (Coordination.
550 551 552	22.17.1		A licensee subject to section C of this Part shall coordinate, to the extent practicable, with an LLEA for responding to threats to the licensee's facility, including any necessary armed response. The information provided to the LLEA must include:
553 554 555		A.	A description of the facilities and the category 1 and category 2 quantities of radioactive materials along with a description of the licensee's security measures that have been implemented to comply with section C of this Part; and
556 557 558		B.	A notification that the licensee will request a timely armed response by the LLEA to any actual or attempted theft, sabotage, or diversion of category 1 or category 2 quantities of material.
559			* * *
560	22.19	Monito	ring, Detection, and Assessment.
561	22.19.1		Monitoring and detection.

Licensees need not subject the following individuals to the background investigation

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D.

Commented [JSJ38]: New language added for consistency with the 2018 amendments to 10 CFR Part 37.43(d)(5).

NRC Compatibility C NRC <u>RATS 2018-3</u>

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Commented [JSJ40]: Clarifying language added to parallel the subpart reference found in 10 CFR Part 37.45.

562 563 C. A licensee subject to section C of this Part shall also have a means to detect unauthorized removal of the radioactive material from the security zone. This detection 564 565 capability must provide: 566 567 22.20 Maintenance and Testing. 568 22.20.1 Each licensee subject to section C of this Part shall implement a maintenance and 569 testing program to ensure that intrusion alarms, associated communication systems, and other 570 physical components of the systems used to secure or detect unauthorized access to radioactive 571 material are maintained in operable condition and are capable of performing their intended function when needed. The equipment relied on to meet the security requirements of this Part 572 must be inspected and tested for operability and performance at the manufacturer's suggested 573 574 frequency. If there is no suggested manufacturer's suggested frequency, the testing must be 575 performed at least annually, not to exceed 12 months. 576 22.20.2 The licensee shall maintain records on the maintenance and testing activities for 3 years. 577 578 22.22 Security Program Review. 22.22.1 579 Each licensee shall be responsible for the continuing effectiveness of the security 580 program. Each licensee shall ensure that the security program is reviewed to confirm compliance 581 with the requirements of section C of this Part and that comprehensive actions are taken to 582 correct any noncompliance that is identified. The review must include the radioactive material 583 security program content and implementation. Each licensee shall periodically (at least annually) 584 review the security program content and implementation. 585 586 Physical Protection in TransitSection D - Physical protection in transit Additional Requirements for Transfer of Category 1 and Category 2 Quantities of 587 588 Radioactive Material. 589 590 Applicability of Physical Protection of Category 1 and Category 2 Quantities of Radioactive 591 Material During Transit. 592 For shipments of category 1 quantities of radioactive material, each shipping licensee 593 shall comply with the requirements for physical protection contained in 22.26.1. and 22.26.5.; 22.27; 22.28.1.A., 22.28.2.A. and 22.28.3.; and 22.29.1., 22.29.3., 22.29.5., 22.29.7., and 594 595 22.29.8. 596 22.25.2 For shipments of category 2 quantities of radioactive material, each shipping licensee 597 shall comply with the requirements for physical protection contained in 22.26.2. through 22.26.5.; 598 22.28.1.B., 22.28.1.C., 22.28.2.B., and 22.28.3.; and 22.29.2., 22.29.4., 22.29.6., 22.29.7., and 599 22.29.8. For those shipments of category 2 quantities of radioactive material that meet the criteria 600 of Part 17, Section 17.11, the shipping licensee shall also comply with the advance notification 601 provisions of Part 17, Section 17.11.

602 603 604	22.25.3	this pa	rt 22.24	ipping licensee shall be responsible for meeting the requirements of section D of through 22.29 unless the receiving licensee has agreed in writing to arrange for sysical protection required under section D of this part22.24 through 22.29.
605				* * *
606	22.27	Advan	ce Notif	ication of Shipment of Category 1 Quantities of Radioactive Material.
607 608 609 610 611 612	22.27.1		notifica the ship bounda	cified in 22.27.1.A. and 22.27.1.B., each licensee shall provide advance tion to the Department and the governor of a State, or the governor's designee, of oment of licensed material in a category 1 quantity, through or across the try of the State, before the transport, or delivery to a carrier for transport of the d material outside the confines of the licensee's facility or other place of use or expectation.
613 		A.	Proced	ures for submitting advance notification.
614 615 616 617 618 619 620 621 622 623			1.	The notification must be made to the Department and to the office of each appropriate governor or governor's designee. The contact information, including telephone and mailing addresses, of governors and governors' designees, is available on the NRC's Web site at https://scp.nrc.gov/special/designee.pdf . A list of the contact information is also available upon request from the Director, Division of Material Safety, State, Tribal, and RulemakingMaterials Safety, Security, State, and Tribal Programs, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001. The notification to the Department must be made by email to the address specified in 22.4.
624 625			2.	A notification delivered by mail must be postmarked at least 7 days before transport of the shipment commences at the shipping facility.
626 627 628 629			3.	A notification delivered by any means other than mail must reach the Department at least 4 days before the transport of the shipment commences and must reach the office of the governor or the governor's designee at least 4 days before transport of a shipment within or through the State.
630 631 632		B.	of shipr	ation to be furnished in advance notification of shipment. Each advance notification ment of category 1 quantities of radioactive material must contain the following tion, if available at the time of notification:
633 634			1.	The name, address, and telephone number of the shipper, carrier, and receiver of the category 1 radioactive material;
635			2.	The license numbers of the shipper and receiver;
636 637			3.	A description of the radioactive material contained in the shipment, including the radionuclides and quantity;
638 639			4.	The point of origin of the shipment and the estimated time and date that shipment will commence; $ \\$
640 641			5.	The estimated time and date that the shipment is expected to enter each State along the route;
642			6.	The estimated time and date of arrival of the shipment at the destination; and
643			7.	A point of contact, with a telephone number, for current shipment information.

Commented [JSJ41]:
Consistent with the Agreement State note regarding NRC
RATS 2018-3, licensees must provide the notification to the
Department and not NRC.

The updated RATS 2018-3 note negates direction in NRC correspondence to CO dated $\underline{\text{March 8, 2018}}$ regarding NRC RATS 2015-5.

The amended language also incorporates clarifying information for electronic and paper submissions to the department.

NRC Compatibility B.

C. 644 Revision notice.

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- The licensee shall provide any information not previously available at the time of 1. the initial notification, as soon as the information becomes available but not later than commencement of the shipment, to the governor of the State or the governor's designee, and to the Department.
- 2. A licensee shall promptly notify the governor of the State or the governor's designee of any changes to the information provided in accordance with 22.27.1.B and 22.27.1.C.1 of this section. The licensee shall also immediately notify the Department of any such changes.
- D. Cancellation notice. Each licensee who cancels a shipment for which advance notification has been sent shall send a cancellation notice to the governor of each State or to the governor's designee previously notified and to the Department. The licensee shall send the cancellation notice before the shipment would have commenced or as soon thereafter as possible. The licensee shall state in the notice that it is a cancellation and identify the advance notification that is being cancelled.
- E. Records. The licensee shall retain a copy of the advance notification and any revision and cancellation notices as a record for 3 years.
- F. Protection of information. State officials, State employees, and other individuals, whether or not licensees of NRC or an Agreement State, who receive schedule information of the kind specified in 22.27.1.B shall protect that information against unauthorized disclosure as specified in 22.16.4.

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Records Section E - Records

22.30 Form of Records.

22.30.1 Each record required by this Part must be legible throughout the retention period specified by each Department regulation. The record may be the original or a reproduced copy or a microform, provided that the copy or microform is authenticated by authorized personnel and that the microform is capable of producing a clear copy throughout the required retention period. The record may also be stored in electronic media with the capability for producing legible, accurate, and complete records during the required retention period. Records such as letters, drawings, and specifications, must include all pertinent information such as stamps, initials, and signatures. The licensee shall maintain adequate safeguards against tampering with and loss of records.

22.31 Record Retention.

678 22.31.1 Licensees shall maintain the records that are required by the regulations in this Part for 679 the period specified by the appropriate regulation. If a retention period is not otherwise specified, 680 these records must be retained until the Department terminates the facility's license. All records related to this Part may be destroyed upon Department termination of the facility license.

EnforcementSection F - Enforcement

683 22.32 Inspections.

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[NO FURTHER CHANGES TO RULE AFTER THIS POINT]