

May 31, 2002

Mr. Aubrey Godwin, Director
Arizona Radiation Regulatory Agency
4814 South 40th Street
Phoenix, AZ 85040

Dear Mr. Godwin:

As requested, we have reviewed the proposed Arizona regulations, Article 4, *Standards for Protection Against Radiation*, sent to the Office of State and Tribal Programs (STP) on February 2, 2002. The changes and amendments requiring review were clarified and discussed with Mr. Roberto Torres during the Arizona Integrated Materials Performance Evaluation Program (IMPEP) review, February 25 - March 1, 2002. The proposed regulations are in response to the amendments identified in the enclosed State Regulation Status (SRS) Data Sheet. These amendments are identified in 62 FR 28947, 62 FR 39057, 64 FR 54543, 64 FR 55524 and 65 FR 20337. The regulations were reviewed by comparison to the equivalent NRC regulations in 10 CFR Parts 20, 30, 34, 39, 40, 71 and 150. We also discussed our review of the regulations with Mr. John Lutton on May 31, 2002.

As a result of our review, we have 41 comments and 2 editorial suggestions (enclosed). Please note that we have limited our review to regulations required for compatibility and/or health and safety. Under our current procedure, a finding that the State regulation meets the compatibility and health and safety categories of the equivalent NRC regulation may only be made based on a review of the final State regulation. However, we have determined that if your proposed regulations were adopted, incorporating the comments and without other significant change, they would meet the compatibility and health and safety categories established in STP Procedure SA-200.

We request that when the proposed regulations are adopted and published as final regulations, a copy of the "as published" regulations be provided to us for review. As requested in STP Procedure SA-201, *Review of State Regulations* (November 10, 1998), please highlight the final changes and send one copy in a computer readable format, if possible. We also request that when the final regulation package is submitted to STP it is accompanied by a cover letter as described in SA-201 Appendix A (II) (A) and Attachment 1.

The SRS Data Sheet summarizes our knowledge of the status of other Alabama regulations as indicated. This letter including the SRS Data Sheet is posted on the STP Web Site: <http://www.hsrp.ornl.gov/nrc/rulemaking.htm>. If you have any questions regarding the comments, the compatibility and health categories, or any of the NRC regulations used in the review, please contact me or John Zabko of my staff at (301) 415-2308 or JGZ@NRC.gov

Sincerely,

/RA/

Josephine M. Piccone, Deputy Director
Office of State and Tribal Programs

Enclosures:
As stated

Aubrey Godwin

May 31, 2002

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**COMMENTS ON PROPOSED ARIZONA REGULATIONS
AGAINST COMPATIBILITY AND HEALTH AND SAFETY CATEGORIES**

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-102	20.1003	1999-3	A	<p>Definitions: Background radiation</p> <p>The State did not amend the definition of background radiation to include that past nuclear accidents such as Chernobyl contributed to background radiation and that background radiation is not under the control of the licensee.</p> <p>The State needs to include this section in the State definition.</p>
R12-1-102	20.1003	1999-3	B	<p>Definitions: Distinguishable from background</p> <p>The State did not include this definition.</p> <p>The State needs to include this definition to meet compatibility.</p>
R12-1-102	20.1003	1999-3	B	<p>Definitions: Residual radioactivity</p> <p>The State did not include this definition.</p> <p>The State needs to include this definition to meet compatibility.</p>
R 12-1-319(H)(1)(a)	20.1405(a)(1)	1999-3	C	<p>Public Notification and Public Participation</p> <p>The State did not address the requirement to notify and solicit comments from “any Indian Nation or other indigenous people that have treaty or statutory rights”</p> <p>The State should include this statement in this section.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-323(E)	30.36(k)(3)(i) & (ii)	1997-6	C	<p>Expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas</p> <p>The State section did not address the requirements in 10 CFR 30.36(k)(3)(i) and (ii) that requires radiation surveys and compliance with the criteria for decommissioning in 10 CFR Part 20, Subpart E.</p> <p>The State needs to include this requirement to meet compatibility.</p>
R12-1-424	20.1702(b)	1999-3	D H/S	<p>Use of other controls</p> <p>The State did not incorporate the new requirement clarifying that if a licensee performs an ALARA analysis to determine whether or not respirators should be used, the licensee can consider safety factors other than radiological, as specified in 20.1702(b).</p> <p>The State needs to include these requirements to maintain adequacy.</p>
R12-1-425(A)	20.1703(h)	1999-3	D H/S	<p>Use of individual respiratory protection equipment</p> <p>The State section did not address a requirement that licensees must ensure that no object, material or substance are present between the skin and the respirator as required by 20.1703(h).</p> <p>The State needs to include these requirements to maintain adequacy.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R 12-1-425(A)(3)(C)	20.1703(c)(3)	1999-3	D H/S	<p>Use of individual respiratory protection equipment</p> <p>The State did not adopt certain requirements for a respiratory protection plan as required in 10 CFR 20.1703(c). They failed to include fit testing frequency and failed to adopt, the parenthetical explanation in the following statement “Testing of respirators for operability (<u>user seal check for face sealing devices and functional checks for others</u>) immediately prior to each use.</p> <p>The State should include these requirements in their rule.</p>
R12-1-501	34.3	1997-5	B	<p>Definitions: Lay-barge radiography</p> <p>The State section did not adopt this new definition from 34.3.</p> <p>The State needs to add this definition to meet compatibility.</p>
R 12-1-502	34.23	1997-5	B	<p>Locking of radiographic exposure devices, storage containers and source changers</p> <p>The State’s rule does address requirements for locking of radiographic exposure devices, storage containers and source changers.</p> <p>The State needs to include these requirements as stated in 34.23</p>
R12-1-501	34.3	1997-5	B	<p>Definitions: Underwater radiography</p> <p>The State section did not adopt this new definition from 34.3.</p> <p>The State needs to add this definition to meet compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-503	34.35(c)	1997-5	B	<p>Labeling, storage, and transportation</p> <p>The State section did not address requirements in 34.35(c) specifying that “licensees shall store licensed material in a manner which will minimize danger from explosion or fire.”</p> <p>The State needs to add this requirement to achieve compatibility.</p>
R 12-1-507	34.71(a)(3)	1997-5	B	<p>Utilization Logs</p> <p>The State did not address that the utilization log must have “the dates [the sealed source was] removed and returned to storage”</p> <p>The State needs to add this requirement to their rule.</p>
R12-1-509	34.33	1997-5	D H/S	<p>Permanent radiographic installations</p> <p>The State section did not address that if an entrance control device or an alarm is operating improperly, it must be immediately labeled as defective and repaired within 7 calendar days as required by 34.33(b).</p> <p>The State needs to include this requirement to maintain adequacy.</p>
R12-1-510	34.41(a)	1997-5	B	<p>Conducting industrial radiography operations</p> <p>The State section did not specifically state that “an additional qualified individual observing the operations shall be capable of providing immediate assistance to prevent unauthorized entry,” and that “radiography may not be performed if only one qualified individual is present,” as required by 34.41(a).</p> <p>The State needs to add this requirement to achieve compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-510	34.41(b)	1997-5	B	<p>Conducting industrial radiography operations</p> <p>The State section did not address that “radiographic operations conducted at locations of use authorized on the license must be conducted in a permanent radiographic installation unless specifically authorized....” as required by 34.41(b).</p> <p>The State needs to add this requirement to achieve compatibility.</p>
R12-1-521	34.43 (c)(3)(d)	1997-5	B	<p>Training</p> <p>The State did not address annual refresher training for radiographers and radiographer’s assistant.</p> <p>The State needs to include the requirement for yearly safety training for the radiographers and radiographer’s assistant to achieve compatibility.</p>
R12-1-522	34.45(a)(8).	1997-5	C	<p>Operating and emergency procedures</p> <p>The State section did not address instructions for steps to be taken if an “<u>alarm ratemeter alarms unexpectedly.</u>”</p> <p>The State needs to include these procedures to achieve compatibility.</p>
R12-1-522	34.45(a)(12)	1997-5	C	<p>Operating and emergency procedures</p> <p>The State section did not address instructions for “<u>source recovery procedure if a licensee will perform source recovery</u>” as specified by 34.45(a)(12).</p> <p>The State needs to include these procedures to achieve compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R 12-1-523	34.83(d)	1997-5	C	<p>Records of personnel monitoring procedures</p> <p>The State did not address recordkeeping requirements of estimates of exposures as a result of off-scale personal direct reading dosimeters, or lost or damaged film badges or TLDs, until license termination, as required by 34.83(d). State section R 12-1-523(C)(4) requires that reports received from the film badge or TLD processor be kept for 3 years, whereas 10 CFR 34.83(c) requires that they be kept until license termination.</p> <p>The State needs to change the wording to reflect records should be kept until license termination.</p>
R12-1-524	34.46	1997-5	B	<p>Supervision of radiographer's assistants</p> <p>The State section addresses in an essentially identical manner the first paragraph of 34.46. The State section did not address the following: 34.46(a) that requires the radiographer's physical presence at the site where sealed sources are used; 34.46(b) that specifies the radiographer's availability to give immediate assistance; and 34.46(c) that specifies the radiographer's direct observation of the assistant performance.</p> <p>The State needs to include these requirements to achieve compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-523(B)(5)	34.47(d)	1997-5	C	<p>Personnel monitoring</p> <p>The State section did not address that if an individual electronic personal dosimeter reads greater than 2 millisieverts (200 millirems), the individual personnel dosimeter (film badge or TLD) must be sent for processing within 24 hours, as required by 34.47(d). Also the State section did not address that the determination of the individual's radiation exposure must be made by the Radiation Safety Officer (RSO) or RSO's designee, as required by 34.47(d).</p> <p>The State needs to include these requirements to achieve compatibility.</p>
R 12-1-534	34.89(b)(3)(4)(5)	1997-5	C	<p>Location of documents and records</p> <p>The State did not address the requirements to maintain records at the permanent installations, and field stations. It addresses the requirements to maintain records at temporary jobsites. The State section also fails to address the requirement for a licensee to keep utilization records at each applicable field station and each temporary jobsite, as required by 10 CFR 34.89(b)(3). The State section does not address the requirement for a licensee to keep records of equipment problems identified in daily checks at each applicable field station and each temporary jobsite, as required by 10 CFR 34.89(b)(4). Finally, the State section does not address the requirement for a licensee to keep records of alarm system and entrance control checks, if applicable, at each applicable field station and each temporary jobsite, as required by 10 CFR 34.89(b)(5).</p> <p>The State needs to add these requirements to their rule.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-1702	39.15(a)(3)	2000-1	C	<p>Agreement with well owner or operator</p> <p>This State section did not address that the written agreement must identify that <u>radiation monitoring</u> is required and will be performed according to 10 CFR 39.15(a)(3).</p> <p>The State needs to include the requirement for radiation monitoring to this section to achieve compatibility.</p>
R12-1-1715	39.35(d)(2)	2000-1	B	<p>Leak testing of sealed sources</p> <p>R12-1-417 did not address that the leak test report must describe “any contamination which resulted from the leaking source,” as required by 39.35(d)(2).</p> <p>The State needs to add the requirement for documentation of the contamination which resulted from the leaking source to this section to achieve compatibility.</p>
R12-1-1716	39.37	2000-1	D H/S	<p>Physical inventory</p> <p>This State section did not address that the licensee has “to account for all licensed material <u>received and possessed</u> under the license,” as required by 39.37. Instead the State requires to “account for all sources of radiation” which has a different meaning.</p> <p>The State needs to add the specific words “received and possessed” in order to accurately account for all radioactive sources.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-1720(A)	39.43(a)	2000-1	C	<p>Inspection, maintenance, and opening of a source or source holder</p> <p>The State section did not address visual checks of source holders, logging tools, and source handling tools, for defects <u>before each use</u>, and that these records must be kept for 3 years as required by 39.43(a).</p> <p>The State needs to add the inspection and documentation requirements to this section to achieve compatibility.</p>
R12-1-1720(B)	39.43(b)	2000-1	C	<p>Inspection, maintenance, and opening of a source or source holder</p> <p>The State section did not address the need for the licensee to make a record of defects found including date, equipment involved, inspection and maintenance operations performed, and actions taken to correct the defects as required by 39.43(b).</p> <p>The State needs to add these documentation requirements to this section to achieve compatibility.</p>
R12-1-1720(C)	39.43(d)	2000-1	C	<p>Inspection, maintenance, and opening of a source or source holder</p> <p>The State section did not address that if a <u>sealed source is stuck in the source holder</u>, the licensee may not perform any operation, such as drilling, cutting, or chiseling, on the source holder unless the licensee is specifically approved by NRC or an Agreement State. The State section states that “<u>repair, opening, or modification</u> of a sealed source containing radioactive material shall be performed only by persons specifically authorized by NRC, an Agreement State, or a Licensing State” which is not the same meaning.</p> <p>This section needs to state more implicitly that in dealing with a stuck source that the licensee may not perform any operation, such as drilling, cutting, or chiseling, on the source holder.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-1721(B)	39.61(e)	2000-1	B	<p>Training</p> <p>The State section describing the course minimum requirements did not address the following requirements as required by 39.61(e).</p> <p>(1) Discussion of radiation safety practices, including prevention of contamination, and methods of decontamination, as required by 39.61(e)(1)(vi),</p> <p>(2) Discussion on the operation of remote handling tools as required by 39.61(e)(3)(i),</p> <p>(3) Discussion of the disposal of licensed material as required by 39.61(e)(3)(ii),</p> <p>(4) Discussion of equipment maintenance as required by 39.61(e)(3)(iii), and</p> <p>(5) Discussion of histories of accidents in well logging as required by 39.61(e)(5).</p> <p>The training requirements section needs to be modified to include these items to achieve compatibility.</p>
R12-1-1721(C)	39.61(a)(4)	2000-1	B	<p>Training</p> <p>The State section did not address that a <u>well logging supervisor</u> needs to successfully complete a <u>written test</u> according to 39.61(a)(4). Instead the State section states that the individual has to attend an Agency approved course and demonstrate an understanding of the course materials.</p> <p>The written test requirement needs to be included into this section to achieve compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R12-1-1721(D)	39.61(b)(3)	2000-1	B	<p>Training</p> <p>The State section did not address that a <u>logging assistant</u> needs to successfully complete a <u>written or oral test</u> according to 39.61(b)(3).</p> <p>The written or oral test requirement needs to be included into this section to achieve compatibility.</p>
R12-1-1721	39.61(c) & (d)	2000-1	B	<p>Training</p> <p>The State section did not address that the licensee needs to provide safety reviews for well logging supervisors and logging assistants at least once during each calendar year as required by 39.61(c), and that records of the annual safety reviews must list the topics discussed and be retained for 3 years according to 39.61(d).</p> <p>This section needs to be modified to include the yearly safety reviews and the documentation criteria to achieve compatibility.</p>
R12-1-1723(A)	39.65(a)	2000-1	C	<p>Personnel monitoring</p> <p>The State section did not address that film badges must be replaced at least monthly and TLDs replaced at least quarterly as required by 39.65(a).</p> <p>The State needs to add this requirement to achieve compatibility.</p>
R12-1-1742	39.73(i)	2000-1	C	<p>Documents and records required at field stations</p> <p>The State section did not address that the licensee needs to maintain the training records at field stations as required by 39.73(i).</p> <p>The State needs to include this requirement to achieve compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R 12-1-1742(3)	39.73(a)	2000-1	C	<p>Documents and records required at temporary jobsites</p> <p>The State needs to clarify that the licensee must have at each field station copies of Article 4, Article 10, and Article 17 (of the Arizona regulations), instead of stating that the licensee must have copies of 'applicable rules' at each field station. Articles 4, 10, and 17 are the State equivalent to 10 CFR Parts 20, 19, and 39, respectively.</p> <p>The State should include the references in their rule.</p>
R 12-1-1743	39.75(d)	2000-1	C	<p>Documents and records required at temporary jobsites</p> <p>The State does not address that the licensee needs to maintain the shipping papers for the transportation of radioactive material at the temporary jobsite as required by 39.75(d).</p> <p>The State needs to include this requirement in their rule.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
R 12-1-1751(B)	39.77(a)	2000-1	C	<p>Notification of incidents and lost sources; abandonment procedures for irretrievable sources</p> <p>The State does not address that the licensee shall make an immediate notification by telephone and a subsequent confirmatory letter, within 30 days, if there is reason to believe or there is a ruptured sealed source as required by 10 CFR 39.77(a). Instead the State section mentions that the licensee shall notify the Agency of the planned procedures of recovery of a lodged source, monitor the surface, and immediately notify the Agency by telephone if there is contamination or the source appears to be damaged</p> <p>The State should add this requirement to their rule.</p>
R12-1-1751(C) and (D)	39.77(c)(3) & 39.15(a)(5)	2000-1	C	<p>Notification of incidents and lost sources; abandonment procedures for irretrievable sources</p> <p>The State section did not address that the licensee has to ensure that abandonment procedures will be implemented within 30 days after the sealed source has been classified as irretrievable or request an extension of time if unable to complete the abandonment procedures. These are required by 39.77(c)(3) and 39.15(a)(5).</p> <p>The State needs to add the 30-day requirement to achieve compatibility.</p>

State Regulation or SSR	NRC Regulation or SSR	RATS ID #	Category	Subject and Comments
Article 5	34.51	1997-5	C	<p>Surveillance</p> <p>The State's proposed changes to Article 5, "Radiographic Operations," did not address the requirements of 10 CFR 34.51, specifying that a radiographer shall maintain continuous direct visual surveillance of the operation to protect against unauthorized entry into a high radiation area.</p> <p>The State needs to include this section in the rule.</p>
Article 5 Radiographic Operations	34.63(a)(b)	1997-5	C	<p>Records of receipt and transfer of sealed sources</p> <p>The State did not address the requirements to maintain records showing the receipts and transfers of sealed sources and devices using depleted uranium for shielding, and to retain each record for 3 years.</p> <p>The State needs to add these requirements to their rule</p>

EDITORIAL SUGGESTIONS

1. R12-1-403, Definition: Disposable respirator. The State adopted this definition almost verbatim from 20.1003 with the exception of a typographical error. The term “sorbet exhaustion” should be corrected to “sorbent exhaustion.”
2. R12-1-403 Definition: User seal check (fit check). The State adopted this definition almost verbatim from 20.1003 with the exception of a typographical error. The State definition omitted the word “pressure” when referring to the terms “negative pressure check” and “positive pressure check.”

STATE REGULATION STATUS

State: Arizona

[Four amendments reviewed are identified by a ★ at the beginning of the equivalent NRC regulation.]

Tracking Ticket Number: 2-45

Date: May 31, 2002

NRC Chronology Identification	FR Notice (Due Date for State Implementation)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
Safety Requirements for Radiographic Equipment-Part 34	55 FR 843; (1/10/94)	1991-1			8/10/94
ASNT Certification of Radiographers-Part 34	56 FR 11504; (none)	1991-2			Not required ³
Standards for Protection Against Radiation-Part 20	56 FR 23360; 56 FR 61352; 57 FR 38588; 57 FR 57877; 58 FR 67657; 59 FR 41641; 60 FR 20183; (1/1/94)	1991-3	F P	N 9/22/97 N 10/5/00	8/10/94
Notification of Incidents-Parts 20, 30, 31, 34, 39, 40, 70	56 FR 64980; (10/15/94)	1991-4			6/13/97
Quality Management Program and Misadministrations-Part 35	56 FR 34104; (1/27/95)	1992-1	P	N 1/15/99	License Condition
Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions-Parts 30,35	57 FR 45566; (none)	1992-2	P	N 1/15/99	Not required ³
Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites]-Parts 30, 40	58 FR 39628; (10/25/96)	1993-1			License Condition
Licensing and Radiation Safety Requirements for Irradiators-Part 36	58 FR 7715; (7/1/96)	1993-2			Not applicable SECY-95-112 ⁴
Definition of Land Disposal and Waste Site QA Program-Part 61	58 FR 33886; (7/22/96)	1993-3			Not applicable SECY-95-112 ⁴
Self-Guarantee as an Additional Financial Mechanism-Parts 30, 40, 70	58 FR 68726; 59 FR 1618; (none)	1994-1			Not required ³

NRC Chronology Identification	FR Notice (Due Date for State Implementation)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
Uranium Mill Tailings Regulations: Conforming NRC Requirements to EPA Standards-Part 40	59 FR 28220; (7/1/97)	1994-2			Not applicable to AZ
Timeliness in Decommissioning Material Facilities-Parts 30, 40, 70	59 FR 36026; (8/15/97)	1994-3			
Preparation, Transfer for Commercial Distribution, and Use of Byproduct Material for Medical Use-Parts 30, 32, 35	59 FR 61767; 59 FR 65243; 60 FR 322; (1/1/98)	1995-1	P	N 1/15/99	
Frequency of Medical Examinations for Use of Respiratory Protection Equipment-Part 20	60 FR 7900; (3/13/98)	1995-2			License Condition
Low-Level Waste Shipment Manifest Information and Reporting-Parts 20, 61	60 FR 15649; 60 FR 25983; (3/1/98)	1995-3	P	Y 10/5/00	
Performance Requirements for Radiography Equipment-Part 34	60 FR 28323; (6/30/98)	1995-4			
Radiation Protection Requirements: Amended Definitions and Criteria-Parts 19, 20	60 FR 36038; (8/14/98)	1995-5			
Clarification of Decommissioning Funding Requirements-Parts 30, 40, 70	60 FR 38235; (11/24/98)	1995-6			
Medical Administration of Radiation and Radioactive Materials-Parts 20, 35	60 FR 48623; (10/20/98)	1995-7	P	N 10/5/00	
10 CFR Part 71: Compatibility with the International Atomic Energy Agency-Part 71	60 FR 50248; 61 FR 28724; (4/1/99)	1996-1			
One Time Extension of Certain Byproduct, Source and Special Nuclear Materials Licenses-Parts 30, 40, 70	61 FR 1109; (none)	1996-2			Not required ³
Termination or Transfer of Licensed Activities: Recordkeeping Requirements-Parts 20, 30, 40, 61, 70	61 FR 24669; (6/17/99)	1996-3			
Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act-Part 20	61 FR 65120; (1/9/00)	1997-1			

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Recognition of Agreement State Licenses in Areas Under Exclusive Federal Jurisdiction Within an Agreement State-Part 150	62 FR 1662; (2/27/00)	1997-2			
Criteria for the Release of Individuals Administered Radioactive Material-Parts 20, 35	62 FR 4120; (5/29/00)	1997-3	P	N 1/15/99	
Fissile Material Shipments and Exemptions-Part 71	62 FR 5907; (none)	1997-4			Not required ³
★ Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiography Operations-Parts 30, 34, 71, 150	62 FR 28947; (6/27/00)	1997-5	P ML020520226	Y 5/31/02 ML021510406	
★ Radiological Criteria for License Termination-Parts 20, 30, 40, 70	62 FR 39057; (8/20/00)	1997-6	P ML020520226	Y 5/31/02 ML021510406	
Exempt Distribution of a Radioactive Drug Containing One Microcurie of Carbon-14 Urea-Part 30	62 FR 63634; (1/02/01)	1997-7			
Deliberate Misconduct by Unlicensed Persons-Parts 30, 40, 61, 70, 150	63 FR 1890; 63 FR 13773; (2/12/01)	1998-1			
Self-Guarantee of Decommissioning Funding by Nonprofit and Non-Bond-Issuing Licensees- Parts 30, 40, 70	63 FR 29535; (none)	1998-2			Not required ³
License Term for Medical Use Licenses-Part 35	63 FR 31604; (none)	1998-3			Not required ³
Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations-Part 34	63 FR 37059; (7/9/01)	1998-4			
Minor Corrections, Clarifying Changes, and a Minor Policy Change-Parts 20, 35, 36	63 FR 39477; 63 FR 45393; (10/26/01)	1998-5			
Transfer for Disposal and Manifests: Minor Technical Conforming Amendment-Part 20	63 FR 50127; (11/20/01)	1998-6			
Radiological Criteria for License Termination of Uranium Recovery Facilities-Part 40	64 FR 17506; (6/11/02)	1999-1			
Requirements for Those Who Possess Certain Industrial Devices Containing Byproduct Material to Provide Requested Information-Part 31	64 FR 42269; (none)	1999-2			Not required ³

NRC Chronology Identification	FR Notice (Due Date for State Implementation)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
★ Respiratory Protection and Controls to Restrict Internal Exposure-Part 20	64 FR 54543; 64 FR 55524; (2/2/03)	1999-3	P ML020520226	Y 5/31/02 ML021510406	
★ Energy Compensation Sources for Well Logging and Other Regulatory Clarifications-Part 39	65 FR 20337; (5/17/03)	2000-1	P ML020520226	Y 5/31/02 ML021510406	
New Dosimetry Technology-Parts 34, 36, 39	65 FR 63750; (1/8/04)	2000-2			
Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material - Parts 30, 31, 32	65 FR 79162; (2/16/04)	2001-1			

1. Or other generic Legally Binding Requirements.
2. (Y/N) Y means "Yes," there are comments in the review letter that the State needs to address. N means "No," there are no comments in the review letter.
3. Not required means these regulations are not required for purposes of compatibility.
4. A State need not adopt a specific regulation if the State has no licensees that would be subject to that regulation. See: "Final Policy Statement on Adequacy and Compatibility of Agreement State Programs," III.1. Time Frame for Adoption of Compatible State Regulations, p. 6, SECY-95-112, May 3, 1995.
5. ADAMS ML Number