



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 19, 2015

Mr. Steven Harrison, Director
Office of Radiological Health
Virginia Department of Health
James Madison Bldg.
109 Governor Street, Room 736
Richmond, VA 23219

Dear Mr. Harrison:

We have reviewed the proposed changes to the Virginia regulations 12 VAC5 481, received by our office on October 31, 2014. These regulations were reviewed by comparison to the equivalent U.S. Nuclear Regulatory Commission (NRC) rules and the requirements of the eight amendments identified in the enclosed State Regulation Status (SRS) Data Sheet. We discussed our review of the regulations with Mike Welling on February 13, 2015.

As a result of our review, we have 36 comments that have been identified in the enclosure. 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 Virginia regulations meet the compatibility and health and safety categories of the equivalent NRC regulation may only be made based on a review of the final Virginia regulations. However, we have determined that if your proposed regulations were adopted, incorporating our comments and without other significant change, they would meet the compatibility and health and safety categories established in the Office of Nuclear Material Safety and Safeguards (NMSS) Procedure SA-200, "Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements."

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 NMSS Procedure SA-201, "Review of State Regulatory Requirements," please highlight the final changes, and provide a copy to Division of Material Safety, State, Tribal, and Rulemaking Programs, NMSS.

The SRS Data Sheet summarizes our knowledge of the status of other Virginia regulations, as indicated. Please let us know if you note any inaccuracies, or have any comments on the information contained in the SRS Data Sheet. This letter, including the SRS Data Sheet, is posted on the NMSS website: <http://nrc-stp.ornl.gov/rulemaking.html>.

S. Harrison

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If you have any questions regarding the comments, the compatibility and health and safety categories, or any of the NRC regulations used in the review, please contact Michelle Beardsley, State Regulation Review Coordinator, at (610) 337-6942 (Michelle.Beardsley@nrc.gov) or Farrah Gaskins at (610) 337-5143 (Farrah.Gaskins@nrc.gov).

Sincerely,

*/RA/
DWhite for PHenderson*

Pamela J. Henderson, Deputy Director
Division of Material Safety, State, Tribal
and Rulemaking Programs
Office of Nuclear Material Safety
and Safeguards

cc: Mike Welling

Enclosures:

1. Compatibility Comments
2. Virginia SRS Data Sheet

S. Harrison

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Pamela J. Henderson, Deputy Director
Division of Material Safety, State, Tribal
and Rulemaking Programs
Office of Nuclear Material Safety
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cc: Mike Welling

Enclosures:

1. Compatibility Comments
2. Virginia SRS Data Sheet

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DIR RF (14-64)
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Virginia File

OFFICE	RI	ASPB	OGC	ASPB:BC	MSTR:DD
NAME	Via e-mail FGaskins	Via e-mail with edits MBeardsley	MSpencer	DWhite	PHenderson
DATE	1/22/15	1/22/15	2/18/15	2/18/15	2/19/15

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COMPATIBILITY COMMENTS ON VIRGINIA PROPOSED REGULATIONS

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
1	481-1161.D.	20.1404(a)	2011-1	C	<p>Alternate criteria for license termination</p> <p>Virginia regulations omit 10 CFR 20.1404(a)(5).</p> <p>Virginia needs to submit regulations that meet the essential objectives of 10 CFR 20.1404(a) in order to meet the Compatibility Category C designation assigned to 10 CFR 20.1404(a).</p>
2	481-450.A.4.	20.1406(c)	2011-1	C	<p>Minimization of contamination</p> <p>Virginia regulations omit the phrase “the introduction of residual radioactivity into the site, including the subsurface”. This does not meet the essential objective of 20.1406(c).</p> <p>Virginia needs to add the above phrase in their regulation in order to meet the Compatibility Category C designation assigned to 10 CFR 20.1406(c).</p>
3	481-750	20.1501(a)	2011-1	H&S	<p>General</p> <p>Virginia regulations omit the phrase “including the subsurface”.</p> <p>Virginia needs to add the above phrase in their regulation in order to meet the Compatibility Category H&S designation assigned to 10 CFR 20.1501(a).</p>
4	481-500.B.	30.34(b) 40.46(b) 70.36	2011-1	C	<p>Terms and Conditions of Licenses</p> <p>Inalienability of licenses</p> <p>Virginia regulations do not include the information required for an application for transfer of the license.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					Virginia needs to make the changes noted above in order to meet the Compatibility Category C designation assigned to 10 CFR 30.34(b), 40.46(b), and 70.36.
5	481-450.C.6-8	30.35(e) 40.36(d) 70.25(e)	2011-1	H&S	<p>Financial Assurance and Recordkeeping for Decommissioning</p> <p>Virginia regulations omit the phrase “the volume of subsurface material containing residual radioactivity that will require remediation...”</p> <p>Virginia needs to include the above phrase in their regulation in order to meet the Compatibility Category H&S designation assigned to 10 CFR 30.35(e), 40.36(d) and 70.25(e).</p>
6	NA	31.6	2012-1	C	<p>General license to install devices generally licensed in 31.5</p> <p>Virginia regulations omit an equivalent regulation to 31.6.</p> <p>Virginia needs to submit regulations that meet the essential objectives of 31.6 in order to meet the Compatibility Category C designation assigned to 10 CFR 31.6.</p>
7	481-10	71.4	2012-2	B	<p>Definition: Indian tribe and Tribal Official</p> <p>Virginia regulations omit the definitions of “Indian tribe” and “Tribal Official”.</p> <p>Virginia needs to include the above definitions in order to meet the Compatibility Category B designation assigned to 10 CFR 71.4.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
8	481-3120	71.97(a) 71.97(c) 71.97(d) 71.97(e) 71.97(f)	2012-2	B	<p>Advance notification of shipment of irradiated reactor fuel and nuclear waste</p> <p>Virginia regulations omit equivalent requirements to 71.97(a)(2).</p> <p>Virginia regulations omit notifications to Tribal officials as stated in 71.97(a)(2), 71.97(c), 71.97(e), and 71.97(f)(1).</p> <p>Virginia regulations omit reference to Tribal reservation boundaries as stated in 71.97(d)(4).</p> <p>Virginia needs to add the above to their regulations in 481-3120 in order to meet the Compatibility Category B designation assigned to 10 CFR 71.97.</p>
9	481-1210	34.20(a)(1)	2012-3	B	<p>Performance requirements for industrial radiography equipment</p> <p>Virginia's regulation omits the address and phone number for the American National Standards Institute.</p> <p>Virginia needs to add the above in Section 481-1210 in order to meet the Compatibility Category B designation assigned to 10 CFR 34.20(a).</p>
10	NA	30.22	2012-4	B	<p>Certain industrial devices</p> <p>Virginia does not have equivalent regulations to 30.22.</p> <p>Virginia needs to submit regulations equivalent to 30.22 in order to meet the Compatibility Category B designation assigned to 10 CFR 30.22.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
11	481-440	30.32(g)	2012-4	C	<p>Application for specific licenses</p> <p>Virginia regulations omit equivalent regulations to 10 CFR 30.32(g)(3) and (4).</p> <p>Virginia needs to submit regulations that meet the essential objectives of 10 CFR 30.32(g)(3) and (4) in order to meet the Compatibility Category C designation assigned to 10 CFR 30.32(g).</p>
12	481-480.C	32.51(a)(6) 32.51(a)(4) and (5)	2012-4 N/A	B	<p>Byproduct material contained in devices for use under § 31.5; requirements for license to manufacture, or initially transfer</p> <p>Virginia regulations omit equivalent requirements to 10 CFR 32.51(a)(6).</p> <p>Additionally, Virginia omits equivalent requirements to 10 CFR 32.51(a)(4) and (5)</p> <p>Virginia needs to submit equivalent requirements to 10 CFR 32.51(a)(4),(5) and (6) in order to meet the Compatibility Category B designation assigned to 10 CFR 32.51.</p>
13	481-480.D	32.53(b)(5), (d)(4), (e) and (f) 32.55 32.56	2012-4	B	<p>Luminous safety devices for use in aircraft: Requirements for license to manufacture, assemble, repair or initially transfer</p> <p>Same: Quality assurance, prohibition of transfer</p> <p>Same: Material transfer reports</p> <p>Virginia has incorporated these regulations by reference in Section 481-450 D.2, however they also</p>

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
				<p>include the phrase “or their equivalent.” This could cause confusion as to what would constitute an “equivalent” regulation. In addition, Section 481-480.D.2 incorporates by reference NRC regulations that no longer exist, (i.e. 32.101 and 32.110).</p> <p>Virginia needs to either submit for review their “equivalent” regulations, or adopt NRC regulations by reference by deleting the clause, “or their equivalent”. In addition, Virginia needs to remove references to NRC regulations that no longer exist, as noted above.</p> <p>Virginia needs to make the changes noted above in order to meet the Compatibility Category B designation assigned to 10 CFR 32.53, 32.55 and 32.56.</p>
14	481-480.E.	32.57(d)(2) and (e) 32.59	2012-4	<p>Calibration or reference sources containing americium-241 or radium-226: Requirements for license to manufacture or initially transfer</p> <p>Virginia has incorporated these regulations by reference in Section 481-450 E, however they also include the phrase “or their equivalent.” This could cause confusion as to what would constitute an “equivalent” regulation. In addition, Section 481-480.E incorporates by reference NRC regulations that no longer exist, (i.e. 32.102).</p> <p>Virginia needs to either submit for review their “equivalent” regulations, or adopt NRC regulations by reference by deleting the clause, “or</p>

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					<p>their equivalent”. In addition, Virginia needs to remove references to NRC regulations that no longer exist, as noted above.</p> <p>Virginia needs to make the changes noted above in order to meet the Compatibility Category B designation assigned to 10 CFR 32.57 and 32.59.</p>
15	481-480.H	32.61(e)(4), (f) and (g) 32.62(c)(d) and (e)	2012-4	B	<p>Ice detection devices containing strontium-90; requirements for license to manufacture or initially transfer</p> <p>Same: Quality assurance, prohibition of transfer</p> <p>In Section 481-480.H, Virginia incorporates by reference NRC regulations that no longer exist, (i.e. 32.103 and 32.110). Virginia needs to remove references to NRC regulations that no longer exist</p> <p>Virginia needs to make the above change in order to meet the Compatibility Category B designation assigned to 10 CFR 32.61 and 32.62.</p>
16	481-480.J	32.74(a)(4)	2012-4	B	<p>Manufacture and distribution of sources or devices containing byproduct material for medical use</p> <p>Virginia regulations omit an equivalent requirement to 10 CFR 32.74(a)(4).</p> <p>Virginia needs to submit equivalent regulations to 10 CFR 32.74(a)(4) in order to meet the Compatibility Category B designation assigned to 10 CFR 32.74(a)(4).</p>

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17	481-451.B.3.	37.25(b)	2013-1	C	<p>Background investigations</p> <p>Virginia regulations in Section, 451.B.3.b., state that, “ individuals who have been determined to be trustworthy and reliable for unescorted access ... in accordance with 12VAC5-481-451 ... may continue to have unescorted access ... without further investigation.” This effectively states that persons who have been deemed trustworthy and reliable under this section do not need to be investigated under this section, which creates a circular fallacy. In contrast, 10 CFR 37.25(b) states that persons who were determined to be trustworthy and reliable for unescorted access under the Fingerprint Orders that preceded the RATS ID 2013-1 rulemaking are “grandfathered” for purposes of this section.</p> <p>In addition, Virginia’s equivalent regulation to 37.27(a) (i.e., 481-451.B.4) refers to persons who have been “grandfathered” under Section 451.B.3., but as stated above, B.3. does not contain a “grandfather” clause.</p> <p>Virginia needs to submit requirements that meet the essential objectives of the above in order to meet the Compatibility Category C designation assigned to 10 CFR 37.25(b).</p>
18	481-451.B.4.	37.27(c)	2013-1	B	<p>Requirements for criminal history records checks of individuals granted unescorted access to category 1 or category 2 quantities of radioactive material</p> <p>Virginia regulations contain an</p>

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					<p>outdated address for the NRC Director of Facilities and Security. The correct address is 11545 Rockville Pike, ATTN: Criminal History Program/Mail Stop T-03B46M, Rockville, Maryland.</p> <p>Virginia regulations omit the phone number for ordering copies of the fingerprint card forms. The phone number is 1-630-829-9565.</p> <p>Virginia needs to make the above changes in their regulation in order to meet the Compatibility Category B designation assigned to 10 CFR 37.27(c).</p>
19	481-451.B.5	37.29(a)	2013-1	B	<p>Relief from fingerprinting, identification, and criminal history records checks and other elements of background investigations for designated categories of individuals permitted unescorted access to certain radioactive materials</p> <p>Virginia regulations omit an equivalent requirement to 10 CFR 37.29(a)(7).</p> <p>Virginia needs to add an equivalent requirement to 481-451.B.5. in order to meet the Compatibility Category B designation assigned to 10 CFR 37.29(a)(7).</p>
20	481-451.D.4	37.77(a)-(d)	2013-1	B	<p>Advance notification of shipment of category 1 quantities of radioactive material</p> <p>Virginia regulations have their licensees providing advance notification of these shipments to the NRC. These notifications should be made to the State Agency.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					Virginia needs to make the above change in all applicable sections of 481-451.D.4 in order to meet the Compatibility Category B designation assigned to 10 CFR 37.77(a)-(d).
21	481-10	40.4	2013-2	B	<p>Definitions</p> <p>Virginia's definition of "Unrefined and unprocessed ore" omits the sentence, "Processing does not include sieving or encapsulation of ore or preparation of samples for laboratory analysis."</p> <p>Virginia needs to add the above sentence to its definition in order to meet the Compatibility Category B designation assigned to 10 CFR 40.4.</p>
22	481-390.D.2	40.13(c)(2)(i)	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia regulations omit the phrase "before August 27, 2013".</p> <p>Virginia needs to include the above phrase in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(2)(i).</p>
23	481-390.D.2	40.13(c)(2)(iii)	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia regulations omit the phrase "Glassware containing not more than 2 percent by weight source material or, for glassware manufactured before August 27, 2013,..."</p> <p>Virginia needs to include the above phrase in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(2)(iii).</p>

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24	481-390.D.5.a	40.13(c)(5)	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia’s regulation includes the requirement from the former 40.13(c)(5)(i) that was removed by the RATS 2013-2 rulemaking.</p> <p>Virginia needs to remove 481-390.D.5.a. from its regulations in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(5).</p>
25	481-390.D.5.d	40.13(c)(5)(iv)	2013-2	NRC	<p>Unimportant quantities of source material</p> <p>Virginia’s regulation incorporates 40.13(c)(5)(iv); however this requirement is reserved to the NRC.</p> <p>Virginia needs to remove 481-390.D.5.d. from its regulations in order to meet the Compatibility Category NRC designation assigned to 10 CFR 40.13(c)(5)(iv).</p>
26	481-390.D.7	40.13(c)(7)	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia regulations omit a reference to “uranium” in Sections 481-390.D.7 and D.7.b.</p> <p>Virginia needs to include “uranium” in the above sections in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(7).</p>
27	481-390.D	40.13(c)(10)	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia regulations omit an equivalent requirement to 10 CFR 40.13(c)(10).</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					Virginia needs to submit equivalent regulations to 10 CFR 40.13(c)(10) in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(10).
28	481-390.E	40.13(d)	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia's regulation includes a section that has been removed from the NRC regulations.</p> <p>Virginia needs to remove this requirement from its regulations in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(d).</p>
29	481.390.D	40.13 Footnote 2	2013-2	B	<p>Unimportant quantities of source material</p> <p>Virginia omits Footnote 2 from its regulation.</p> <p>Virginia needs to add this footnote to its regulation in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13 Footnote 2.</p>
30	481-420.A	40.22(a)(1)-(4)	2013-2	B	<p>Small quantities of source material</p> <p>Virginia regulations omit equivalent provisions to 40.22(a)(1)-(4).</p> <p>Virginia needs to submit equivalent regulations to 40.22(a)(1)-(4) in order to meet the Compatibility Category B designation assigned to 10 CFR 40.22(a)(1)-(4).</p>
31	481-420.A	40.22(b)(2) and	2013-2	B	Small quantities of source material

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
		(3)			<p>Virginia regulations omit equivalent provisions to 40.22(b)(2) and (3).</p> <p>Virginia needs to submit equivalent regulations to 40.22(b)(2) and (3) in order to meet the Compatibility Category B designation assigned to 10 CFR 40.22(b)(2) and (3).</p>
32	481-420.A	40.22(b)(5)	2013-2	B	<p>Small quantities of source material</p> <p>Virginia regulations omit an equivalent provision to 40.22(b)(5).</p> <p>Virginia needs to submit an equivalent regulation to 40.22(b)(5) in order to meet the Compatibility Category B designation assigned to 10 CFR 40.22(b)(5).</p>
33	481-420.A	40.22(c)	2013-2	C	<p>Small quantities of source material</p> <p>Virginia regulations omit an equivalent provision that meets the essential objectives of 40.22(c).</p> <p>Virginia needs to submit an equivalent regulation that meets the essential objectives of 40.22(c) in order to meet the Compatibility Category C designation assigned to 10 CFR 40.22(c).</p>
34	481-420.A	40.22(d)	2013-2	B	<p>Small quantities of source material</p> <p>Virginia's regulation states that any person who receives, possesses, uses, or transfers source material in accordance with the general license is exempt from the state equivalents to 10 CFR Parts 19, 20, and 21. It does not contain the "except for" language that requires licensees to still follow the state equivalents to 20.1402 and</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					<p>20.2001 as stated in 40.22(d).</p> <p>Virginia needs to reference the state's equivalent regulations to 20.1402 and 20.2001 in Section 481-420.A. in order to meet the Compatibility Category B designation assigned to 10 CFR 40.22(d).</p>
35	481-420.A	40.22(e)	2013-2	B	<p>Small quantities of source material</p> <p>Virginia regulations omit an equivalent provision to 40.22(e).</p> <p>Virginia needs to submit an equivalent regulation to 40.22(e) in order to meet the Compatibility Category B designation assigned to 10 CFR 40.22(e).</p>
36	481-421	40.55(a) 40.55(b) 40.55(c) 40.55(d) 40.55(e)	2013-2	B	<p>Conditions of licenses to initially transfer source material for use under the 'small quantities of source material' general license: Quality control, labeling, safety instructions, and records and reports</p> <p>Virginia did not submit equivalent regulations for 10 CFR 40.55. In the 10 CFR compatibility chart, it states that these could be found in Section 481-421, however these regulations were not included in Virginia's submittal.</p> <p>Virginia needs to submit its equivalent regulations to 40.55 for NRC review to determine whether they meet the Compatibility Category B designation assigned to 10 CFR 40.55..</p>

STATE REGULATION STATUS

State: Virginia

Tracking Ticket Number: 14-64

Date: 02/19/2015

[8 amendment(s) reviewed identified by a * at the beginning of the equivalent NRC requirement.]

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
1991-1	Safety Requirements for Radiographic Equipment Part 34 55 FR 843 (Superseded by 1997-5)	01/10/1994	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1991-2	ASNT Certification of Radiographers Part 34 56 FR 11504 (Superseded by 1997-5)	none	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1991-3	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	01/01/1994	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1991-4	Notification of Incidents Parts 20, 30, 31, 34, 39, 40, 70 56 FR 64980	10/15/1994	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1992-1	Quality Management Program and Misadministrations Part 35 56 FR 34104 (Superseded by 2002-2)	01/27/1995	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1992-2	Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions Parts 30, 35 57 FR 45566	none	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
1993-1	Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites] Parts 30, 40 58 FR 39628	10/25/1996	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1993-2	Licensing and Radiation Safety Requirements for Irradiators Part 36 58 FR 7715	07/01/1996	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1993-3	Definition of Land Disposal and Waste Site QA Program Part 61 58 FR 33886	07/22/1996	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1994-1	Self-Guarantee as an Additional Financial Mechanism Parts 30, 40, 70 58 FR 68726; 59 FR 1618	none	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1994-2	Uranium Mill Tailings Regulations: Conforming NRC Requirements to EPA Standards Part 40 59 FR 28220	07/01/1997	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1994-3	Timeliness in Decommissioning Material Facilities Parts 30, 40, 70 59 FR 36026	08/15/1997	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1995-1	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	01/01/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
1995-2	Frequency of Medical Examinations for Use of Respiratory Protection Equipment Part 20 60 FR 7900	03/13/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1995-3	Low-Level Waste Shipment Manifest Information and Reporting Parts 20, 61 60 FR 15649; 60 FR 25983	03/01/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1995-4	Performance Requirements for Radiography Equipment Part 34 60 FR 28323 (Superceded by 1997-5)	06/30/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1995-5	Radiation Protection Requirements: Amended Definitions and Criteria Parts 19, 20 60 FR 36038	08/14/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1995-6	Clarification of Decommissioning Funding Requirements Parts 30, 40, 70 60 FR 38235	11/24/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1995-7	Medical Administration of Radiation and Radioactive Materials Parts 20, 35 60 FR 48623 (Superceded by 2002-2 and 2005-2)	10/20/1998	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
1996-1	Compatibility with the International Atomic Energy Agency Part 71 60 FR 50248; 61 FR 28724 (Superceded by 2004-1)	04/01/1999	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1996-2	One Time Extension of Certain Byproduct, Source and Special Nuclear Materials Licenses Parts 30, 40, 70 61 FR 1109	02/15/1999	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1996-3	Termination or Transfer of Licensed Activities: Record keeping Requirements Parts 20, 30, 40, 61, 70 61 FR 24669	06/17/1999	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1997-1	Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act Part 20 61 FR 65120	01/9/2000	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1997-2	Recognition of Agreement State Licenses in Areas Under Exclusive Federal Jurisdiction Within an Agreement State Part 150 62 FR 1662	02/27/2000	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1997-3	Criteria for the Release of Individuals Administered Radioactive Material Parts 20, 35 62 FR 4120	05/29/2000	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1997-4	Fissile Material Shipments and Exemptions Part 71 62 FR 5907 (Superceded by 2004-1)	02/10/2000	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
1997-5	Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiography Operations Parts 30, 34, 71, 150 62 FR 28947	06/27/2000	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1997-6	Radiological Criteria for License Termination Parts 20, 30, 40, 70 62 FR 39057	08/20/2000	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1997-7	Exempt Distribution of a Radioactive Drug Containing One Micro curie of Carbon-14 Urea Part 30 62 FR 63634	01/02/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1998-1	Deliberate Misconduct by Unlicensed Persons Parts 30, 40, 61, 70, 71, 150 63 FR 1890; 63 FR 13773	02/12/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1998-2	Self-Guarantee of Decommissioning Funding by Nonprofit and Non-Bond-Issuing Licensees Parts 30, 40, 70 63 FR 29535	07/01/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1998-3	License Term for Medical Use Licenses Part 35 63 FR 31604 (Superceded by 2002-2)	07/10/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1998-4	Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations Part 34 63 FR 37059	07/09/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	

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1998-5	Minor Corrections, Clarifying Changes, and a Minor Policy Change Parts 20, 32, 35, 36, 39 63 FR 39477; 63 FR 45393	10/26/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1998-6	Transfer for Disposal and Manifests: Minor Technical Conforming Amendment Part 20 63 FR 50127	11/20/2001	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1999-1	Radiological Criteria for License Termination of Uranium Recovery Facilities Part 40 64 FR 17506	06/11/2002	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1999-2	Requirements for Those Who Possess Certain Industrial Devices Containing Byproduct Material to Provide Requested Information Part 31 64 FR 42269	10/04/2002	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
1999-3	Respiratory Protection and Controls to Restrict Internal Exposure Part 20 64 FR 54543; 64 FR 55524	02/02/2003	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2000-1	Energy Compensation Sources for Well Logging and Other Regulatory Clarifications Part 39 65 FR 20337	05/17/2003	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2000-2	New Dosimetry Technology Parts 34, 36, 39 65 FR 63750	01/08/2004	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	

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2001-1	Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material Parts 30, 31, 32 65 FR 79162	02/16/2004	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2002-1	Revision of the Skin Dose Limit Part 20 67 FR 16298	04/05/2005	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2002-2	Medical Use of Byproduct Material Parts 20, 32, 35 67 FR 20249	10/24/2005	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2003-1	Financial Assurance for Materials Licensees Parts 30, 40, 70 68 FR 57327	12/03/2006	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2004-1	Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments Part 71 69 FR 3697	10/01/2007	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2005-1	Security Requirements for Portable Gauges Containing Byproduct Material Part 30 70 FR 2001	07/11/2008	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2005-2	Medical Use of Byproduct Material - Recognition of Specialty Boards Part 35 70 FR 16336; 71 FR 1926	04/29/2008	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2005-3	Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) 70 FR 72128	12/01/2005	Final ML100280901	No Comments 03/02/2010 ML100350973	

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2006-1	Minor Amendments Parts 20, 30, 32, 35, 40 and 70 71 FR 15005	03/27/2009	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2006-2	National Source Tracking System - Serialization Requirements Part 32 with reference to Part 20 Appendix E 71 FR 65685	02/06/2007	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2006-3	National Source Tracking System Part 20 71 FR 65685, 72 FR 59162	01/31/2009	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2007-1	Medical Use of Byproduct Material - Minor Corrections and Clarifications Parts 32 and 35 72 FR 45147, 54207	10/29/2010	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2007-2	Exemptions From Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting Requirements Parts 30, 31, 32, 150 72 FR 58473	12/17/2010	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2007-3	Requirements for Expanded Definition of Byproduct Material Parts 20, 30, 31, 32, 33, 35, 61, 150 72 FR 55864	11/30/2010	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2007-4	Order Imposing Fingerprinting Requirements and Criminal History Records Check Requirements for Unescorted Access to Certain Radioactive Material NRC Order EA-07-305 72 FR 70901	06/05/2008	Final ML100280901	Comments 03/02/2010 ML100350973	

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2008-1	Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent Parts 19, 20 72 FR 68043	02/15/2011	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	
2009-1	Medical Use of Byproduct Material – Authorized User Clarification Part 35 74 FR 33901	09/28/2012	Final ML081760528 ML082960329	No Comments 11/10/2008 ML082970632	Adopted Part 35 by reference when became an Agreement State.
*2011-1	Decommissioning Planning Parts 20, 30, 40, 70 76 FR 35512	12/17/2015	Proposed ML14307B118	Comments 02/19/2015 ML14307B093	
*2011-2	Licenses, Certifications, and Approvals for Materials Licensees Parts 30, 36, 39, 40, 70, and 150 76 FR 56951	11/14/2014	Proposed ML14307B118	No Comments 02/19/2015 ML14307B093	
*2012-1	Change of Compatibility of 10 CFR 31.5 and 31.6 (See RATS ID: 2001-1 for Rule text) 77 FR 3640	01/25/2015	Proposed ML14307B118	Comments 02/19/2015 ML14307B093	
*2012-2	Advance Notification to Native American Tribes of Transportation of Certain Types of Nuclear Waste Part 71 77 FR 34194	08/10/2015	Proposed ML14307B118	Comments 20/19/2015 ML14307B093	
*2012-3	Technical Corrections Part 30, 34, 40 and 71 77 FR 39899	08/06/2015	Proposed ML14307B118	Comments 02/19/2015 ML14307B093	
*2012-4	Requirements for Distribution of Byproduct Material Parts 30, 31, 32, 40 and 70 77 FR 43666	10/23/2015	Proposed ML14307B118	Comments 02/19/2015 ML14307B093	

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*2013-1	Physical Protection of Byproduct Material, 10 CFR Parts 20, 30, 32, 33, 34, 35, 36, 37, 39, and 71 78 FR 16922	03/19/2016	Proposed ML14307B118	Comments 02/19/2015 ML14307B093	
*2013-2	Distribution of Source Material to Exempt Persons and to General Licensees and Revision of General License and Exemptions, 10 CFR Parts 30, 40, and 70 78 FR 32310	08/27/2016	Proposed ML14307B118	Comments 02/19/2015 ML14307B093	
2015-1	Domestic Licensing of Special Nuclear Material – Written Reports and Clarifying Amendments Part 70 79 FR 57721, 80 FR 143	01/26/2018			
2015-2	Safeguards Information - Modified Handling Categorization, Change for Materials Facilities Parts 30, 37, 73, and 150 79 FR 58664, 80 FR 3865	01/28/2018			