



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

May 2, 2014

David Walter, Director  
Office of Radiation Control  
Department of Public Health  
201 Monroe Street  
P.O. Box 303017  
Montgomery, AL 36130-3017

Dear Mr. Walter:

We have reviewed the proposed changes to the Alabama Radiological Health Rules Chapters 420-3-26-.02, 420-3-26-.03, 420-3-26-.04 and 420-3-26-.07, received by our office on March 4, 2014. These regulations were reviewed by comparison to the equivalent Nuclear Regulatory Commission (NRC) rules in 10 CFR Parts 20, 30, 31, 32, 33, 34, 35, 40, 70, 71, 150 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 you on April 30, 2014.

As a result of our review, we have 23 new comments and four comments that stand from letters dated July 14, 2010, and August 30, 2010, 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 Alabama 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 Alabama 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 Federal and State Materials and Environmental Management Programs (FSME) 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 FSME Procedure SA-201, "Review of State Regulatory Requirements," please highlight the final changes, and provide a copy to Division of Materials Safety and State Agreements, FSME.

The SRS Data Sheet summarizes our knowledge of the status of other Alabama 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 FSME website: <http://nrc-stp.ornl.gov/rulemaking.html>.

D. Walter

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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 Kathleen Schneider, State Regulation Review Coordinator, at (301) 415-2320 ([Kathleen.Schneider@nrc.gov](mailto:Kathleen.Schneider@nrc.gov)) or Monica Ford at (610) 337-5214 ([Monica.Ford@nrc.gov](mailto:Monica.Ford@nrc.gov)).

Sincerely,

*/RA/*

John M. Moses, Acting Deputy Director  
Division of Materials Safety and State Agreements  
Office of Federal and State Materials  
and Environmental Management Programs

Enclosures:

1. Compatibility Comments
2. Alabama SRS Data Sheet

D. Walter

-2-

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Sincerely,

*/RA/*

John M. Moses, Acting Deputy Director  
Division of Materials Safety and State Agreements  
Office of Federal and State Materials  
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**COMPATIBILITY COMMENTS ON ALABAMA PROPOSED REGULATIONS**

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
1	420-3-26-.02 (21)	71.97	2004-1	<p><b>Advanced notification of shipment of nuclear waste</b></p> <p>AL needs to incorporate 71.97(a)(2) by reference.</p> <p>AL needs to incorporate 71.97(a)(2) by reference in order to meet the Compatibility Category B designation assigned to 10 CFR 71.97.</p> <p><b>(Comment partially resolved from letter dated August 30, 2010)</b></p>
2	420-3-26-.02(10)(t)	32.72	2007-1 2007-3	<p><b>Manufacture, preparation, or transfer for commercial distribution of radioactive drugs, containing byproduct material for medical use under Part 35</b></p> <p>AL does not have equivalent regulations corresponding to 10 CFR 32.72(a)(2)(iv), 32.72(b)(3), 32.72(b)(4), 32.72(b)(5)(iii), or 32.72(b)(5)(v).</p> <p>AL needs to rewrite 420-3-26-.02(10)(t)1.(ii)(II) and (III) to read “(II) Registered or licensed with the Alabama Board of Pharmacy or another state agency as a drug manufacturer, (III) Licensed as a pharmacy by the Alabama Board of Pharmacy or another State Board of Pharmacy; [insert equivalent text to 10 CFR 32.72(a)(2)(iv)].”</p> <p>AL needs to insert their equivalent reference to 10 CFR 32.72(a)(2)(iv) in 420-3-26-.02(10)(t)2.</p> <p>AL needs to insert their equivalent reference to 10 CFR 32.72(b)(4) in 420-3-26-.02(10)(t)2.(i).</p> <p>AL needs to rewrite 420-3-26.02(1)(t)2.(ii) to read “... to work as</p>

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
				<p>an authorized nuclear pharmacist if:  (I) This individual qualifies as an authorized nuclear pharmacist as defined in 420-3-26-.07(2), (II)This individual meets the requirements in 420-3-26-.07(28)(b) and 420-3-26-.07(30) and the licensee has received an approved license amendment identifying this individual as an authorized nuclear pharmacist; or (III) This individual is designated as an authorized nuclear pharmacist in accordance with paragraph [insert equivalent to 10 CFR 32.72(b)(4) once added] of this section.”</p> <p>AL needs to readopt 420-3-26-.02(10)(t)2.(iii)(III) and rewrite it to read “The permit issued by an Agency, US Nuclear Regulatory Commission, or Agreement State licensee or a Commission master materials permittee of broad scope or the authorization from a commercial nuclear pharmacy authorized to list its own authorized nuclear pharmacists, or (IV) [insert equivalent to 10 CFR 32.72(b)(5)(v)], and (V) A copy of their license or registration to practice nuclear pharmacy by the Alabama Board of Pharmacy or other equivalent State Board of Pharmacy, no later than 30 days after the date that the licensee allows, under paragraphs [insert equivalent for 10 CFR 32.72(b)(2)(i) and (b)(2)(iii)] of this section, the individual to work as an authorized nuclear pharmacist”.</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 32.72.</p> <p><b>(Comment partially resolved from letter dated July 14, 2010, which was revised in letter dated September 18, 2013)</b></p>

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
3	420-3-26-.03(33)	20.2001	2007-3	<p><b>C</b></p> <p><b>General requirements</b></p> <p>AL omits the reference to their regulation corresponding to 10 CFR 20.2008 from 420-3-26-.03(33)(a)4.</p> <p>AL needs to add the above reference to 420-3-26-.03(33) in order to meet the Compatibility Category C designation assigned to 10 CFR 20.2001.</p> <p><b>(Comment Stands from letter dated July 14, 2010)</b></p>
4	N/A	20.2008	2007-3	<p><b>B</b></p> <p><b>Disposal of 11e.(3) and 11e.(4) byproduct material</b></p> <p>AL does not have a regulation corresponding to 10 CFR 20.2008.</p> <p>AL needs to add the above regulation in order to meet the Compatibility Category C designation assigned to 10 CFR 20.2001.</p> <p><b>(Comment Stands from letter dated July 14, 2010)</b></p>
5	420-3-26-.07(26)	35.50	2009-1	<p><b>B</b></p> <p><b>Training for a radiation safety officer</b></p> <p>AL omits "or permit issued by a U.S. Nuclear Regulatory Commission master material license" from 420-3-26-.07(26)(b)(2).</p> <p>AL needs to make the above change in order to meet the Compatibility Category B designation assigned to 10 CFR 35.50.</p>
6	420-3-26-.07(29)	35.57	2009-1	<p><b>B</b></p> <p><b>Training for experienced radiation safety officer, teletherapy or medical physicist, authorized medical physicist, authorized user, nuclear pharmacist, and authorized nuclear pharmacist.</b></p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					<p>AL needs to change 420-3-26-.07(29)(a) to read "...on an Agency, U.S. Nuclear Regulatory Commission, or Agreement State license, or a permit issued by an Agency, U.S. Nuclear Regulatory Commission, or Agreement State broad scope licensee or U.S. Nuclear Regulatory Commission master material license permit or by a U.S. Nuclear Regulatory Commission master material license permittee of broad scope before..."</p> <p>AL needs to change 420-3-26-.07(29)(b) to read "...issued by the Agency, U.S. Nuclear Regulatory Commission, or Agreement State, a permit issued by a U.S. Nuclear Regulatory Commission master material licensee, a permit issued by an Agency, U.S. Nuclear Regulatory Commission, or Agreement State broad scope licensee or a permit issued by a Commission master material license broad scope permittee before..."</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 35.57.</p>
7	420-3-26-.03(61)	20.1403	2011-1	C	<p><b>Criteria for license termination under restricted conditions</b></p> <p>AL has an incorrect reference in 420-3-26-.03(61)(a). The reference needs to be changed to "420-3-26-.03(60)."</p> <p>AL has an incorrect reference in 420-3-26-.03(61)(d)2. The reference needs to be changed to "420-3-26-.03(61)(d)1."</p> <p>AL has an incorrect reference in 420-3-26-.03(61)(e)2.(i). The reference needs to be changed to "420-3-26-.03(61)(e)1."</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					<p>AL has two incorrect references in 420-3-26-.03(61)(e)2.(iii). The references needs to be changed to “420-3-26-.03(61)(b)” and “420-3-26-.03(61)(c)” respectively.</p> <p>AL needs to make the above changes in order to meet the Compatibility Category C designation assigned to 10 CFR 20.1403.</p>
8	420-3-26-.03(62)	20.1404	2011-1	C	<p><b>Alternate criteria for license termination</b></p> <p>AL has three incorrect references in 420-3-26-.03(62)(a). The references needs to be changed to “420-3-26-.03(60),” “420-3-26-.03(61)(b),” and “420-3-26-.03(61)(d)1.(a)” respectively.</p> <p>AL has an incorrect reference in 420-3-26-.03(62)(a)2. The reference needs to be changed to “420-3-26-.03(61).”</p> <p>AL omits an equivalent regulation to 10 CFR 20.1404(a)(5).</p> <p>AL needs to make the above changes and add an equivalent regulation to 10 CFR 20.1404(a)(5) in order to meet the Compatibility Category C designation assigned to 10 CFR 20.1404.</p>
9	420-3-26-.03(64)	20.1406(c)	2011-1	C	<p><b>Minimization of Contamination</b></p> <p>AL omits an equivalent regulation to 10 CFR 20.1406(c).</p> <p>AL needs to add equivalent text to 420-3-26-.03(64) in order to meet the Compatibility Category C designation assigned to 10 CFR 20.1406(c).</p>
10	420-3-26-.02(12)	30.34	2011-1 2012-3	C/NRC	<p><b>Terms and conditions of licenses</b></p> <p>AL omits an equivalent regulation to 10 CFR 30.34(b)(2).</p>



STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
				<p>AL needs to remove 420-3-26-.02(12)(h)1. and 3. from its regulations as these are equivalent to 10 CFR 30.34(e)(1) and(3) which are Compatibility Category NRC.</p> <p>AL needs to make the above changes in order to meet the Compatibility Category C designation assigned to 10 CFR 30.34(b) and the Compatibility Category NRC designation assigned to 10 CFR 30.34(e)(1) and (3).</p>
11	420-3-26-.02(26)	30.35 40.36 70.25	2011-1	<p><b>Financial assurance and recordkeeping for decommissioning.</b></p> <p>AL needs to change 420-3-26-.02(26)(a) to read "...greater than 120 days and in quantities exceeding 10<sup>5</sup> times the applicable quantities set forth in Appendix C to Rule 420-3-26-.03 ... a combination of isotopes is involved if R divided by 10<sup>5</sup> is greater than 1 (unity rule) where R is defined here as the sum of the ratios of the quantity of each isotope to the applicable value in Appendix C to Rule 420-3-26-.03."</p> <p>AL lists an incorrect reference in 420-3-26-.02(26)(b). The reference "Appendix F of Rule 420-3-26-.03" needs to be changed to "Appendix C of Rule 420-3-26-.03."</p> <p>AL lists an incorrect reference in 420-3-26-.02(c)1. The reference should be changed to "420-3-26-.02(26)(f)."</p> <p>AL needs to change 420-3-26-.02(26)(f) to read "Each decommissioning funding plan must be submitted for review and approval and must contain a cost estimate..."</p> <p>AL needs to make the above changes</p>

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
				in order to meet the Category H&S designation assigned to 10 CFR 30.35(a), (b), (e), and (g); 40.36(a), (b), (d), and (f); and 70.25(a)(2), (b), (e), and (g).
12	420-3-26-.02(17)	40.46 70.36	2011-1	<p><b>Inalienability of licenses.</b></p> <p>AL does not adopt the essential elements of 10 CFR 40.46(b) and 70.36(b).</p> <p>AL needs to add a regulation to 420-3-26-.02(17) that adopts the essential elements of 10 CFR 40.46(b) and 10 CFR 70.36(b) in order to meet the Compatibility Category C designation assigned to 10 CFR 40.46 and 70.36.</p>
13	420-3-26-.04(5)	34.20	2012-3	<p><b>Performance requirements for industrial radiography equipment</b></p> <p>AL needs to change 420-2-26-.04(5)b.(3) to read “Modification of radiographic exposure devices, source changers, and source assemblies and associated equipment is prohibited unless the design of any replacement component, including source holder, source assembly, controls or guide tubes would not compromise the design safety features of the system.”</p> <p>AL needs to make the above change in order to meet the Compatibility Category B designation assigned to 10 CFR 34.20(a)(1), (b), (c), (d), and (e).</p>
14	420-3-26-.02(4)(b)	30.15	2012-4	<p><b>Certain items containing byproduct material</b></p> <p>AL needs to change the intro paragraph of 420-3-26-.02(4)(b) to read “Except for persons who apply byproduct material to, or persons who incorporate radioactive material into, the following products or persons who initially transfer for sale or distribution the following products containing</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					<p>radioactive material any person..."</p> <p>AL needs to delete "radium or" from 420-3-26-.02(4)(b)1.</p> <p>AL needs to change the reference in 420-3-26-.02(4)(b)7.(iii) to "an exempt quantity under Schedule B of this rule."</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 30.15.</p>
15	420-3-26-.02(4)(d)	30.19	2012-4	B	<p><b>Self-luminous products containing tritium, krypton-85, or promethium-147</b></p> <p>AL needs to rewrite 420-3-26-.02(d)1. to state "Tritium, Krypton 85, or Promethium 147. Except for persons who manufacture, process, produce, or initially transfer for sale or distribution self-luminous products containing tritium, krypton 85, or promethium 147, any person is exempt from these rules to the extent that such person receives, possesses, uses, transfers, owns, or acquires tritium, krypton 85, or promethium 147 in self-luminous products manufactured, processed, produced, or initially transferred in accordance with a specific license issued by the U.S. Nuclear Regulatory Commission pursuant to Section 32.22 of 10 CFR Part 32, which license authorizes the transfer of the product to persons who are exempt from regulatory requirements. The exemption in this paragraph (d) does not apply to tritium, krypton 85, or promethium 147 used in products for frivolous purposes or in toys or adornments."</p> <p>AL omits an equivalent regulation to 10 CFR 30.19(b).</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 30.19.
16	420-3-26-.02(4)(c)	30.20	2012-4	B	<p><b>Gas and aerosol detectors containing byproduct material</b></p> <p>AL needs to change 420-3-26-.02(c) to read "...designed to protect health, safety, or property, provided that:..."</p> <p>AL needs to change 420-3-26-.02(4)(c)1. to read "Detectors containing radioactive material shall have been manufactured processed, produced, or initially transferred in accordance with a specific license issued by the U.S. Nuclear Regulatory Commission pursuant to Section 32.26 of 10 CFR Part 32 which license authorizes the initial transfer to persons who are exempt from regulatory requirements."</p> <p>AL omits an equivalent regulation to 10 CFR 32.20(b).</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 30.20.</p>
17	N/A	30.22	2012-4	B	<p><b>Certain industrial devices</b></p> <p>AL omits an equivalent regulation to 10 CFR 30.22.</p> <p>AL needs to adopt an equivalent regulation to 10 CFR 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
18	420-3-26-.02(8)	30.32(g)	2012-4	<p><b>Application for specific licenses</b></p> <p>AL needs to change 420-3-26-.02(8)(g)2. to read “Contain the information identified in 10 CFR 32.210(c).”</p> <p>AL needs to make the above change in order to meet the Compatibility Category C designation assigned to 10 CFR 30.32(g).</p>
19	420-3-26-.02(10)(g)	32.51	2012-4	<p><b>Byproduct material contained in devices for use under § 31.5; requirements for license to manufacture, or initially transfer</b></p> <p>AL needs to rewrite 420-3-26-.02(10)(g) to read “Licensing the Manufacture and Initial Transfer of Devices to Persons Generally Licensed Under 420-3-26-.02(7)(a).”</p> <p>AL needs to change 420-3-26-.02(10)(g) to read “ An application for a specific license to manufacture or initially transfer devices containing radioactive material to persons generally licensed under 420-3-26-.02(7)(a) or equivalent regulations of the U.S. Nuclear Regulatory Commission or an Agreement State will be approved if..”</p> <p>AL needs to change to label in 420-3-26-.02(10)(g)1.(iii)(III) to read “(Name of manufacturer or initial transferor).”</p> <p>AL needs to change 420-3-26-.02(10)(g)1.(v) to read “Each device meeting the criteria of Rule 420-3-26-.02(7)(a)2.(xv) bears ...”</p> <p>AL omits an equivalent regulation to 10 CFR 32.51(a)(6).</p> <p>AL needs to rewrite 420-3-26-.02(10)(g)3. to read “ In the event the applicant desires that the general</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					<p>license under 420-3-26-.02(7)(a), or under ... is unlikely to cause that individual to receive a dose in excess of 10 percent of the limits specified in 420-3-26-.03(6).”</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 32.51.</p>
20	N/A	32.55	2012-4	B	<p><b>Same: Quality assurance, prohibition of transfer</b></p> <p>AL omits an equivalent section to 10 CFR 32.55 from their regulations.</p> <p>AL needs to add an equivalent provision to 10 CFR 32.55 to their regulations in order to meet the Compatibility Category B designation assigned to 10 CFR 32.55.</p>
21	N/A	32.56	2012-4	B	<p><b>Same: Material transfer reports</b></p> <p>AL omits an equivalent section to 10 CFR 32.56 from their regulations.</p> <p>AL needs to add an equivalent provision to 10 CFR 32.56 to their regulations in order to meet the Compatibility Category B designation assigned to 10 CFR 32.56.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
22	420-3-26-.02(7)(d)4.(v)	32.59	2012-4	B	<p><b>Same: Leak testing of each source</b></p> <p>AL needs to change the references from “420-3-26-.02(7)(e)1.” to 420-3-26-.02(7)(d)1.” in 420-3-26-.02(7)(d)4.(v).</p> <p>AL needs to add “or equivalent regulations of the U.S. Nuclear Regulatory Commission or Agreement State” to the end of the first sentences in 420-3-26-.02(7)(d)4.(v).</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 32.59.</p>
23	420-3-26-.02(7)(d)	32.61	2012-4	B	<p><b>Ice detection devices containing strontium-90; requirements for license to manufacture or initially transfer</b></p> <p>Although AL appears to incorporate 10 CFR 32.61 by reference in a footnote, it is incorporated in the wrong section of the regulations. 10 CFR 32.61 does not apply to 420-3-26-.02(7)(d), it does however apply to 420-3-26-.02(f).</p> <p>AL should incorporate 10 CR 32.61 by reference into the appropriate section of their regulations in order to meet the Compatibility Category B designation assigned to 10 CFR 32.61.</p>
24	N/A	32.62	2012-4	B	<p><b>Same: Quality assurance; prohibition of transfer</b></p> <p>AL does not adopt an equivalent regulation to 10 CFR 32.62.</p> <p>AL needs to adopt an equivalent regulation to 10 CFR 32.62 in order to meet the Compatibility Category B designation assigned to 10 CFR 32.62.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
25	420-3-26-.02(9)(n)	32.74	2012-4	B	<p><b>Manufacture and distribution of sources or devices containing byproduct material for medical use</b></p> <p>AL omits an equivalent regulation to 10 CFR 32.74(a)(4).</p> <p>AL needs to change 420-3-26-.02(9)(n)1.(iii) to read "...quantity and date of assay, and a statement that the Agency has approved distribution of the..."</p> <p>AL needs to make the above changes in order to meet the Compatibility Category B designation assigned to 10 CFR 32.74.</p>
26	N/A	32.210	2012-4	B	<p><b>Registration of product information</b></p> <p>AL only adopts 32.210(g)(1) by reference. AL does have the authority to regulate sealed source and device evaluations and needs to adopt an equivalent regulation to 10 CFR 32.210.</p> <p>AL needs to adopt an equivalent provision to 10 CFR 32.210 in order to meet the Compatibility Category B designation assigned to 10 CFR 32.210.</p>
27	N/A	32.211	2012-4	B	<p><b>Inactivation of certificates of registration of sealed sources and devices</b></p> <p>AL does not adopt an equivalent provision to 10 CFR 32.211.</p> <p>AL needs to adopt an equivalent provision to 10 CFR 32.211 in order to meet the Compatibility Category B designation assigned to 10 CFR 32.211.</p>



STATE REGULATION STATUS

State: Alabama

Tracking Ticket Number: 14-11  
Date: May 2, 2014

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

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
1991-1	Safety Requirements for Radiographic Equipment Part 34 55 FR 843 (Superceded by 1997-5)	01/10/1994	Final	No Comments 04/02/1994	Alabama has adopted Final Regulations equivalent to RATS ID 1997-5
1991-2	ASNT Certification of Radiographers Part 34 56 FR 11504 (Superceded by 1997-5)	none	Not Required	Not Required	Alabama has adopted Final Regulations equivalent to RATS ID 1997-5
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	No Comments 11/19/1997	
1991-4	Notification of Incidents Parts 20, 30, 31, 34, 39, 40, 70 56 FR 64980	10/15/1994	Final	No Comments 04/02/1994	
1992-1	Quality Management Program and Misadministrations Part 35 56 FR 34104 (Superceded by 2002-2)	01/27/1995	Final	No Comments 04/02/1994	Alabama has adopted Final Regulations equivalent to RATS ID 2002-2
1992-2	Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions Parts 30, 35 57 FR 45566	none	Not Required	Not Required	These regulation changes are not required to be adopted for purposes of Compatibility

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	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	No Comments 06/05/1998	
1993-2	Licensing and Radiation Safety Requirements for Irradiators Part 36 58 FR 7715	07/01/1996	Final	No Comments 06/05/1998	
1993-3	Definition of Land Disposal and Waste Site QA Program Part 61 58 FR 33886	07/22/1996	Not Applicable <sup>1</sup>	Not Applicable	Alabama does not have any licensees subject to these regulations. (See SECY-95-112)
1994-1	Self-Guarantee as an Additional Financial Mechanism Parts 30, 40, 70 58 FR 68726; 59 FR 1618	none	Final	No Comments 06/05/1998	These regulation changes are not required to be adopted for purposes of Compatibility.
1994-2	Uranium Mill Tailings Regulations: Conforming NRC Requirements to EPA Standards Part 40 59 FR 28220	07/01/1997	Not Applicable	Not Applicable	Alabama does not have authority to regulate this material under its Agreement
1994-3	Timeliness in Decommissioning Material Facilities Parts 30, 40, 70 59 FR 36026	08/15/1997	Final	No Comments 06/05/1998	
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	No Comments 06/05/1998	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
1995-2	Frequency of Medical Examinations for Use of Respiratory Protection Equipment Part 20 60 FR 7900	03/13/1998	Final	No Comments 06/05/1998	
1995-3	Low-Level Waste Shipment Manifest Information and Reporting Parts 20, 61 60 FR 15649; 60 FR 25983	03/01/1998	Final	No Comments 06/05/1998	
1995-4	Performance Requirements for Radiography Equipment Part 34 60 FR 28323 <b>(Superseded by 1997-5)</b>	06/30/1998	Not Required	Not required	Alabama has adopted Final Regulations equivalent to RATS ID 1997-5
1995-5	Radiation Protection Requirements: Amended Definitions and Criteria Parts 19, 20 60 FR 36038	08/14/1998	Final	No Comments 06/05/1998	
1995-6	Clarification of Decommissioning Funding Requirements Parts 30, 40, 70 60 FR 38235	11/24/1998	Final	No Comments 06/05/1998	
1995-7	Medical Administration of Radiation and Radioactive Materials Parts 20, 35 60 FR 48623 <b>(Superseded by 2002-2 and 2005-2)</b>	10/20/1998	Final	No Comments 08/29/2000	Alabama has adopted Final Regulations equivalent to RATS IDs 2002-2 and 2005-2
1996-1	Compatibility with the International Atomic Energy Agency Part 71	04/01/1999	Final	No Comments 08/29/2000	Alabama has not yet adopted RATS ID 2004-1 in final.

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
	60 FR 50248; 61 FR 28724 <b>(Superceded by 2004-1)</b>				
1996-2	One Time Extension of Certain Byproduct, Source and Special Nuclear Materials Licenses Parts 30, 40, 70 61 FR 1109	02/15/1999	Not Required	Not Required	These regulation changes are not required to be adopted for purposes of Compatibility
1996-3	Termination or Transfer of Licensed Activities: Record keeping Requirements Parts 20, 30, 40, 61, 70 61 FR 24669	06/17/1999	Final	No Comments 08/29/2000	
1997-1	Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act Part 20 61 FR 65120	01/9/2000	Final	No Comments 08/29/2000	
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	No Comments 08/29/2000	
1997-3	Criteria for the Release of Individuals Administered Radioactive Material Parts 20, 35 62 FR 4120	05/29/2000	Final	No Comments 08/29/2000	
1997-4	Fissile Material Shipments and Exemptions Part 71 62 FR 5907 <b>(Superceded by 2004-1)</b>	02/10/2000	Not Required	Not Required	These regulation changes are not required to be adopted for purposes of Compatibility. (See STP-97-078)
1997-5	Licenses for Industrial Radiography and Radiation	06/27/2000	Final	No Comments 08/29/2000	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
	Safety Requirements for Industrial Radiography Operations Parts 30, 34, 71, 150 62 FR 28947				
1997-6	Radiological Criteria for License Termination Parts 20, 30, 40, 70 62 FR 39057	08/20/2000	Final	No Comments 08/29/2000	
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	No Comments 06/05/1998	
1998-1	Deliberate Misconduct by Unlicensed Persons Parts 30, 40, 61, 70, 71, 150 63 FR 1890; 63 FR 13773	02/12/2001	Final	No Comments 10/01/2001	
1998-2	Self-Guarantee of Decommissioning Funding by Nonprofit and Non-Bond-Issuing Licensees Parts 30, 40, 70 63 FR 29535	07/01/2001	Not Required	Not Required	These regulation changes are not required to be adopted for purposes of Compatibility
1998-3	License Term for Medical Use Licenses Part 35 63 FR 31604 <b>(Superseded by 2002-2)</b>	07/10/2001	Not Required	Not Required	These regulation changes are not required to be adopted for purposes of Compatibility. (See STP-98-074) Alabama has adopted Final Regulations equivalent to RATS IDs 2002-2.
1998-4	Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations Part 34 63 FR 37059	07/09/2001	Final	No Comments 08/29/2000	

<b>RATS ID</b>	<b>NRC Chronology Identification</b>	<b>Date Due for State Adoption</b>	<b>Incoming Package</b>	<b>Outgoing Package</b>	<b>Notes</b>
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	No Comments 08/29/2000	
1998-6	Transfer for Disposal and Manifests: Minor Technical Conforming Amendment Part 20 63 FR 50127	11/20/2001	Final	No Comments 08/29/2000	
1999-1	Radiological Criteria for License Termination of Uranium Recovery Facilities Part 40 64 FR 17506	06/11/2002	Not Applicable	Not Applicable	Alabama does not have authority to regulate this material under its Agreement
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	Not Required	Not Required	These regulation changes are not required to be adopted for purposes of Compatibility
1999-3	Respiratory Protection and Controls to Restrict Internal Exposure Part 20 64 FR 54543; 64 FR 55524	02/02/2003	Final ML021090092	No Comments 04/25/2002 ML021160517	
2000-1	Energy Compensation Sources for Well Logging and Other Regulatory Clarifications Part 39 65 FR 20337	05/17/2003	Final ML062000076	No Comments 08/10/2006 ML062220014	
2000-2	New Dosimetry Technology Parts 34, 36, 39 65 FR 63750	01/08/2004	Final ML062000076	No Comments 08/10/2006 ML062220014	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
2001-1	Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material Parts 30, 31, 32 65 FR 79162	02/16/2004	Final ML062000076	No Comments 08/10/2006 ML062220014	
2002-1	Revision of the Skin Dose Limit Part 20 67 FR 16298	04/05/2005	Final ML052940420	No Comments 11/08/2005 ML053120389	
2002-2	Medical Use of Byproduct Material Parts 20, 32, 35 67 FR 20249	10/24/2005	Final ML062000076	No Comments 08/10/2006 ML062220014	
2003-1	Financial Assurance for Materials Licensees Parts 30, 40, 70 68 FR 57327	12/03/2006	Final ML062000076	No Comments 08/10/2006 ML062220014	
*2004-1	Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments Part 71 69 FR 3697	10/01/2007	R <sup>2</sup> ML14070A043	Comments 05/02/2014 ML14070A013	
2005-1	Security Requirements for Portable Gauges Containing Byproduct Material Part 30 70 FR 2001	07/11/2008	Final ML13176A135  License Condition ML081960176	No Comments 09/18/2013 ML13176A123  Comments 07/28/2008 ML082100083	
2005-2	Medical Use of Byproduct Material - Recognition of Specialty Boards Part 35	04/29/2008	Final ML062000076	No Comments 08/10/2006 ML062220014	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
	70 FR 16336; 71 FR 1926				
2005-3	Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) 70 FR 72128	12/01/2005	License Condition ML052570218	No Comments 09/15/2005 ML052620319	
2006-1	Minor Amendments Parts 20, 30, 32, 35, 40 and 70 71 FR 15005	03/27/2009	Final ML13176A135	Comments 09/18/2013 ML13176A123	
2006-2	National Source Tracking System - Serialization Requirements Part 32 with reference to Part 20 Appendix E 71 FR 65685	02/06/2007	Final ML13176A135	Comments 09/18/2013 ML13176A123	
2006-3	National Source Tracking System Part 20 71 FR 65685, 72 FR 59162	01/31/2009	Final ML13176A135	No Comments 09/18/2013 ML13176A123	
			License Condition ML082820556	No Comments 10/21/2008 ML082820596	
*2007-1	Medical Use of Byproduct Material - Minor Corrections and Clarifications Parts 32 and 35 72 FR 45147, 54207	10/29/2010	R <sup>2</sup> ML14070A043	Comments 05/02/2014 ML14070A013	
*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	R <sup>2</sup> ML14070A043	No Comments 05/02/2014 ML14070A013	
*2007-3	Requirements for Expanded Definition of Byproduct	11/30/2010	R <sup>2</sup>	Comments	



RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
	Material Parts 20, 30, 31, 32, 33, 35, 61, 150 72 FR 55864		ML14070A043	05/02/2014 ML14070A013	
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	License Condition ML081090443	No Comments 05/01/2008 ML081220314	
2008-1	Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent Parts 19, 20 72 FR 68043	02/15/2011	Final ML13176A135	No Comments 09/18/2013 ML13176A123	
*2009-1	Medical Use of Byproduct Material – Authorized User Clarification Part 35 74 FR 33901	09/28/2012	R <sup>2</sup> ML14070A043	Comments 05/02/2014 ML14070A013	
*2011-1	Decommissioning Planning Parts 20, 30, 40, 70 76 FR 35512	12/17/2015	Proposed ML14070A043	Comments 05/02/2014 ML14070A013	
2011-2	Licenses, Certifications, and Approvals for Materials Licensees Parts 30, 36, 39, 40, 70, and 150 76 FR 56951	11/14/2014			
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			

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Package	Outgoing Package	Notes
2012-2	Advance Notification to Native American Tribes of Transportation of Certain Types of Nuclear Waste Part 71 77 FR 34194	08/10/2015			
*2012-3	Technical Corrections Part 30, 34, 40 and 70 77 FR 39899	08/06/2015	Proposed ML14070A043	Comments 05/02/2014 ML14070A013	
*2012-4	Requirements for Distribution of Byproduct Material Parts 30, 31, 32, 40 and 70 77 FR 43666	10/23/2015	Proposed ML14070A043	Comments 05/02/2014 ML14070A013	
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			
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			

<sup>1</sup> IMPEP Team: verify that Alabama does not have any licensees subject to these regulations during each review.

<sup>2</sup> Means proposed revision to final rule.