



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

March 25, 2015

Mr. Michael Broderick, Manager  
Oklahoma Department of  
Environmental Quality  
Radiation Management Section  
P. O. Box 1677  
Oklahoma City, OK 73101-1677

Dear Mr. Broderick:

We have reviewed the final revisions to the Oklahoma Department of Environmental Quality, Title 252, Oklahoma Administrative Code, Chapter 410 Radiation Management regulations, received by our office on January 29, 2015. These regulations were reviewed by comparison to the equivalent U.S. Nuclear Regulatory Commission (NRC) rules and the requirements of the three amendments identified in the enclosed State Regulation Status (SRS) Data Sheet. We discussed our review of the regulations with John Flynn on March 25, 2015.

As a result of our review, we have four 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. We have determined that if these regulations are revised, 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 you revise your regulations to address our comments, 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 location of any changes made by Oklahoma, in response to our comments, 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 Oklahoma 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 Web site: <http://nrc-stp.ornl.gov/rulemaking.html>.

M. Broderick

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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](mailto:Michelle.Beardsley@nrc.gov)) or Binesh Tharakan at (817) 200-1116 ([Binesh.Tharakan@nrc.gov](mailto:Binesh.Tharakan@nrc.gov)).

Sincerely,

***/RA Chris Einberg for/***

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

Enclosures:

1. Compatibility Comments
2. Oklahoma SRS Data Sheet

**COMPATIBILITY COMMENTS ON OKLAHOMA FINAL REGULATIONS**

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
1	OAC 252:410-10-37	10 CFR 37.77(a)-(d)	2013-1	<p><b>Advance notification of shipment of category 1 quantities of radioactive material</b></p> <p>Oklahoma incorporates 10 CFR Part 37 by reference; however the advance notifications required in 37.77(a)-(d) should go to the State agency and not to the NRC.</p> <p>Oklahoma needs to specify in its regulations that all notifications required under this section need to be made to the State agency and not to the NRC in order to meet the Compatibility Category B designation assigned to 10 CFR 37.77(a)-(d).</p>
2	OAC 252:410-10-40	10 CFR 40.13(c)(5)(i) through (iii)	2013-2	<p><b>Unimportant Quantities of Source Material</b></p> <p>Oklahoma has regulatory authority for source material used to take advantage of the density and high-mass property where the use of specifically licensed source material is subordinate to the primary specifically licensed use of either 11e.(1) byproduct material or special nuclear material. Depleted uranium counterweights would fall under this regulatory authority. Therefore, 40.13(c)(5)(i) through (iii) should be incorporated into Oklahoma regulations and should not be specifically excluded as is currently adopted by Oklahoma. Oklahoma needs to adopt 40.13(c)(5)(i) through (iii) by reference in OAC 252:410-10-40, and remove 40.13(c)(5)(i) through (iii) from the "Exclusions" in OAC 252:410-10-1(b)(7).</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					Oklahoma needs to make the above change in order to meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(5)(i) through (iii).
3	OAC 252:410-10-1(b)(7)	10 CFR 40.13(c)(5)(iv)	2013-2	NRC	<p><b>Unimportant Quantities of Source Material</b></p> <p>In OAC 252:410-10-1(b) Exclusions, (7) In Part 40, Oklahoma includes this requirement; however this is reserved to the NRC. Oklahoma needs to change "...40.13(a), (b), (c)(1) through (5),..." to "...40.13(a), (b), (c)(1) through (4), (c)(5)(iv),..."</p> <p>Oklahoma needs to make the above change in order to meet the Compatibility Category NRC designation assigned to 10 CFR 40.13(c)(5)(iv).</p>
4	OAC 252:410-10-1(b)(7)  OAC 252:410-10-40(2)	10 CFR 40.13(c)(9)	N/A	B	<p><b>Unimportant Quantities of Source Material</b></p> <p>10 CFR 40.13(c)(9) states the exemptions in paragraph 40.13(c) do not authorize the manufacture of any of the products described. Because Oklahoma has adopted at least one of the exemptions in 40.13(c), Oklahoma needs to incorporate 10 CFR 40.13(c)(9) by reference.</p> <p>In OAC 252:410-10-1(b) Exclusion, (7) In 10 CFR 40, Oklahoma needs to change "... (c)(7) through (9), ...." to "(c)(7) through (8)."</p> <p>In OAC 252:410-10-40(2), Oklahoma needs to incorporate 40.13(c)(9) by reference.</p> <p>Oklahoma needs to make the changes specified above in order to</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					meet the Compatibility Category B designation assigned to 10 CFR 40.13(c)(9).

**STATE REGULATION STATUS**

State: Oklahoma

Tracking Ticket Number: 15-07

Date: March 25, 2015

[ 3 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 <b>(Superceded by 1997-5)</b>	01/10/1994	Not Required	Not Required	Oklahoma has adopted Final Regulations equivalent to RATS ID: 1997-5.
1991-2	ASNT Certification of Radiographers Part 34 56 FR 11504 <b>(Superceded by 1997-5)</b>	none	Not Required	Not Required	Oklahoma 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 05/20/1997	
1991-4	Notification of Incidents Parts 20, 30, 31, 34, 39, 40, 70 56 FR 64980	10/15/1994	Final	No Comments 09/16/1999	
1992-1	Quality Management Program and Misadministrations Part 35 56 FR 34104 <b>(Superceded by 2002-2)</b>	01/27/1995	Not Required	Not Required	Oklahoma 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 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	No Comments 09/16/1999	
1993-2	Licensing and Radiation Safety Requirements for Irradiators Part 36 58 FR 7715	07/01/1996	Not Applicable <sup>1</sup>	Not Applicable	Oklahoma does not have any licensees subject to these regulations. (See SECY-95-112)
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	Oklahoma 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	Not Required	Not Required	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	Oklahoma does not have the 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 09/16/1999	
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 09/16/1999	
1995-2	Frequency of Medical Examinations for Use of Respiratory Protection Equipment Part 20 60 FR 7900	03/13/1998	Final	No Comments 05/20/1997	

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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 09/16/1999	
1995-4	Performance Requirements for Radiography Equipment Part 34 60 FR 28323 <b>(Superceded by 1997-5)</b>	06/30/1998	Final	No Comments 09/16/1999	Oklahoma 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 09/16/1999	
1995-6	Clarification of Decommissioning Funding Requirements Parts 30, 40, 70 60 FR 38235	11/24/1998	Final	No Comments 09/16/1999	
1995-7	Medical Administration of Radiation and Radioactive Materials Parts 20, 35 60 FR 48623 <b>(Superceded by 2002-2 and 2005-2)</b>	10/20/1998	Final	No Comments 09/16/1999	
1996-1	Compatibility with the International Atomic Energy Agency Part 71 60 FR 50248; 61 FR 28724 <b>(Superceded by 2004-1)</b>	04/01/1999	Final	No Comments 09/16/1999	
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.



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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 09/16/1999	
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 05/20/1997	
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 09/16/1999	
1997-3	Criteria for the Release of Individuals Administered Radioactive Material Parts 20, 35 62 FR 4120	05/29/2000	Final	No Comments 09/16/1999	
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 Safety Requirements for Industrial Radiography Operations Parts 30, 34, 71, 150 62 FR 28947	06/27/2000	Final	No Comments 09/16/1999	
1997-6	Radiological Criteria for License Termination Parts 20, 30, 40, 70 62 FR 39057	08/20/2000	Final	No Comments 09/16/1999	
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 ML052640398	No Comments 10/31/2005 ML053050275	

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1998-1	Deliberate Misconduct by Unlicensed Persons Parts 30, 40, 61, 70, 71, 150 63 FR 1890; 63 FR 13773	02/12/2001	Final ML052640398	No Comments 10/31/2005 ML053050275	
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) Oklahoma has adopted Final Regulations equivalent to RATS ID: 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 ML052640398	No Comments 10/31/2005 ML053050275	
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 ML052640398	No Comments 10/31/2005 ML053050275	
1998-6	Transfer for Disposal and Manifests: Minor Technical Conforming Amendment Part 20 63 FR 50127	11/20/2001	Final ML052640398	Comments 10/31/2005 ML053050275	
1999-1	Radiological Criteria for License Termination of Uranium Recovery Facilities Part 40 64 FR 17506	06/11/2002	Final ML052640398	No Comments 10/31/2005 ML053050275	

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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 ML052640398	No Comments 10/31/2005 ML053050275	
2000-1	Energy Compensation Sources for Well Logging and Other Regulatory Clarifications Part 39 65 FR 20337	05/17/2003	Final ML052640398	No Comments 10/31/2005 ML053050275	
2000-2	New Dosimetry Technology Parts 34, 36, 39 65 FR 63750	01/08/2004	Final ML052640398	No Comments 10/31/2005 ML053050275	
2001-1	Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material Parts 30, 31, 32 65 FR 79162	02/16/2004	Final ML052640398	No Comments 10/31/2005 ML053050275	
2002-1	Revision of the Skin Dose Limit Part 20 67 FR 16298	04/05/2005	Final ML052640398	No Comments 10/31/2005 ML053050275	
2002-2	Medical Use of Byproduct Material Parts 20, 32, 35 67 FR 20249	10/24/2005	Final ML052640398	No Comments 10/31/2005 ML053050275	
2003-1	Financial Assurance for Materials Licensees Parts 30, 40, 70 68 FR 57327	12/03/2006	Final ML12338A011	No Comments 01/09/2013 ML12361A196	

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2004-1	Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments Part 71 69 FR 3697	10/01/2007	Final ML12338A011	No Comments 01/09/2013 ML12361A196	
2005-1	Security Requirements for Portable Gauges Containing Byproduct Material Part 30 70 FR 2001	07/11/2008	Final ML102590266	No Comments 10/29/2010 ML102810155	
2005-2	Medical Use of Byproduct Material - Recognition of Specialty Boards Part 35 70 FR 16336; 71 FR 1926	04/29/2008	Final ML102590266	No Comments 10/29/2010 ML102810155	
2005-3	Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) 70 FR 72128	12/01/2005	License Condition ML053110225	No Comments 11/07/2005 ML053120007	
2006-1	Minor Amendments Parts 20, 30, 32, 35, 40 and 70 71 FR 15005	03/27/2009	Final ML12338A011	No Comments 01/09/2013 ML12361A196	
2006-2	National Source Tracking System - Serialization Requirements Part 32 with reference to Part 20 Appendix E 71 FR 65685	02/06/2007	Final ML102590266	No Comments 10/29/2010 ML102810155	
2006-3	National Source Tracking System Part 20 71 FR 658685, 72 FR 59162	01/31/2009	License Condition ML083230013  License Condition ML091110146	No Comments 12/05/2008 ML083290052  No Comments 04/28/2009 ML091120131	
2007-1	Medical Use of Byproduct Material - Minor Corrections and Clarifications Parts 32 and 35 72 FR 45147, 54207	10/29/2010	Final ML102590266	No Comments 10/29/2010 ML102810155	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
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 ML12338A011	No Comments 01/09/2013 ML12361A196	
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 ML12338A011	No Comments 01/09/2013 ML12361A196	
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 ML080940298	No Comments 04/22/2008 ML081130062	
2008-1	Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent Parts 19, 20 72 FR 68043	02/15/2011	Final ML12338A011	No Comments 01/09/2013 ML12361A196	
2009-1	Medical Use of Byproduct Material – Authorized User Clarification Part 35 74 FR 33901	09/28/2012	Final ML12338A011	No Comments 01/09/2013 ML12361A196	
2011-1	Decommissioning Planning Parts 20, 30, 40, 70 76 FR 35512	12/17/2015	Final ML14203A296	No Comments 08/13/2014 ML14202A524	
*2011-2	Licenses, Certifications, and Approvals for Materials Licensees Parts 30, 36, 39, 40, 70, and 150 76 FR 56951	11/14/2014	Final ML14203A296  Revised Final ML15033A177	Comments 08/13/2014 ML14202A524  No Comments 03/25/2015 ML15033A166	

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
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	Final ML12338A011	No Comments 01/09/2013 ML12361A196	
2012-2	Advance Notification to Native American Tribes of Transportation of Certain Types of Nuclear Waste Part 71 77 FR 34194	08/10/2015	Final ML14203A296	No Comments 08/13/2014 ML14202A524	
2012-3	Technical Corrections Part 30, 34, 40 and 71 77 FR 39899	08/06/2015	Final ML14203A296	No Comments 08/13/2014 ML14202A524	
2012-4	Requirements for Distribution of Byproduct Material Parts 30, 31, 32, 40 and 70 77 FR 43666	10/23/2015	Final ML14203A296	No Comments 08/13/2014 ML14202A524	
*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 ML15033A177	Comment 03/25/2015 ML15033A166	
*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 ML15033A177	Comments 03/25/2015 ML15033A166	
2015-1	Domestic Licensing of Special Nuclear Material – Written Reports and Clarifying Amendments Part 70 79 FR 57721, 80 FR 143	01/26/2018			

RATS ID	NRC Chronology Identification	Date Due for State Adoption	Incoming Letter	Outgoing Package	Notes
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			

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