

July 11, 2007

Mr. Lawrence E. Nanney, Director
Division of Radiological Health
Department of Environment and Conservation
L & C Annex, Third Floor
401 Church Street
Nashville, TN 37243-1532

Dear Mr. Nanney:

We have reviewed the final revision to the Tennessee regulations "State Regulations for Protection Against Radiation", received by our office on May 30, 2007. These regulations were reviewed by comparison to the equivalent Nuclear Regulatory Commission (NRC) rules in 10 CFR Parts 20, 30, 31, 32, 40, and 70 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 Ms. Beth Murphy on July 11, 2007.

As noted in All Agreement States letter [STP-05-072](#), dated September 28, 2005, NRC staff will continue to hold in abeyance any determination on those rules and compatibility of 10 CFR 31.5 and 31.6, if the Agreement State has the essential elements of the NRC's rule and is more restrictive than the NRC's rule.

As a result of our review against the GL Device Rule Compatibility Category B designation, we have one comment as listed in the enclosure, which carries over from the review of the proposed regulation dated August 31, 2006. The comment indicates that Tennessee's regulation is more restrictive than the NRC's regulations, and there is no corrective action required for this comment at this time. Please note that we have limited our review to regulations required for compatibility and/or health and safety.

As a result of the rest of our review, we have no comments. Please note that we have limited our review to regulations required for compatibility and/or health and safety. We have determined that the regulations, as adopted, 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](#).

The SRS Data Sheet summarizes our knowledge of the status of other Tennessee 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://www.hsrdr.ornl.gov/nrc/rulemaking.htm>.

Director Lawrence E. Nanney

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July 11, 2007

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 (e-mail: kxs@nrc.gov), or William Rautzen at (301) 775-4456 (email: wr@nrc.gov).

Sincerely,

RA By K.N. Schneider For

Scott W. Moore, Deputy Director
Division of Materials Safety and State Agreements
Office of Federal and State Materials and
Environmental Management Programs

Enclosures:
As stated

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 (e-mail: kxs@nrc.gov), or William Rautzen at (301) 775-4456 (email: wrr@nrc.gov).

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 Office of Federal and State Materials and
 Environmental Management Programs

Enclosures: As stated

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COMPATIBILITY COMMENTS ON TENNESSEE FINAL REGULATIONS

STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
1	1200-2-10-.1 0(2)(c)13	31.5(c) (13)(i) and (iv)	2001-1	<p data-bbox="1016 331 1515 464">Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere</p> <p data-bbox="1016 506 1446 663">Tennessee's regulation requires registration of all the GL devices, while 10 CFR 31.5(c)(13)(i) only requires registration of certain devices.</p> <p data-bbox="1016 705 1503 800">Tennessee's rules have the essential elements of the NRC, but are more restrictive than the NRC's GL rule.</p> <p data-bbox="1016 842 1515 1163">As noted in the September 28, 2005 All Agreement States Letter STP-05-072, the determination on this provision will be held in abeyance until such time that the NRC completes its review and response to the Organization of Agreement State petition and State of Florida's request on compatibility changes for the GL rule.</p>

STATE REGULATION STATUS

State: **TENNESSEE**

Tracking Ticket Number: 7-46

[3 amendments reviewed identified by a ★ at the beginning of the equivalent NRC requirement.]

Date: July 11, 2007

NRC Chronology Identification	FR Notice (State Due Date)	RATS ID	Proposed (P) / Final (F)¹ Rule / License Condition (LC) ML #⁵	NRC Review / Y, N² / Date / ML #⁵	Final State Regulation¹ (Effective Date)
Safety Requirements for Radiographic Equipment-Part 34	55 FR 843; (1/10/94)	1991-1			Superceded by 1997-5
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 ML062130090	N 9/1/06 ML062490270	07/02/06
Notification of Incidents-Parts 20, 30, 31, 34, 39, 40, 70	56 FR 64980; (10/15/94)	1991-4	F	N 12/2/96	12/28/96
Quality Management Program and Misadministrations-Part 35	56 FR 34104; (1/27/95)	1992-1			Superceded by 2002-2
Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions-Parts 30,35	57 FR 45566; (none)	1992-2			Not required ³
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	F	N 12/2/96	12/28/96
Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites]-Parts 30, 40	58 FR 39628; (10/25/96)	1993-1			1997-Current LBR adequate per MRB
Self-Guarantee as an Additional Financial Mechanism-Parts 30, 40, 70	58 FR 68726; 59 FR 1618 (none)	1994-1			Not required ³
Uranium Mill Tailings Regulations: Conforming NRC Requirements to EPA Standards-Part 40	59 FR 28220; (7/1/97)	1994-2			Not applicable to TN
★Timeliness in Decommissioning Material Facilities-Parts 30, 40, 70	59 FR 36026; (8/15/97)	1994-3	F ML071560152	N 7/11/07 ML071920135	
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	F ML020320229	N 2/1/02 ML020360223	10/02/02
Frequency of Medical	60 FR 7900;	1995-2	F	N 2/1/02	10/02/02

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Examinations for Use of Respiratory Protection Equipment-Part 20	(3/13/98)		ML020320229	ML020360223	
Low-Level Waste Shipment Manifest Information and Reporting-Parts 20, 61	60 FR 15649; 60 FR 25983 (3/1/98)	1995-3	F ML020320229	N 2/1/02 ML020360223	10/02/02
Performance Requirements for Radiography Equipment-Part 34	60 FR 28323; (6/30/98)	1995-4	F ML020320229	N 2/1/02 ML020360223	10/02/02
Radiation Protection Requirements: Amended Definitions and Criteria-Parts 19, 20	60 FR 36038; (8/14/98)	1995-5	F ML020320229	N 2/1/02 ML020360223	10/02/02
Clarification of Decommissioning Funding Requirements-Parts 30, 40, 70	60 FR 38235; (11/24/98)	1995-6			Not required ³
Medical Administration of Radiation and Radioactive Materials-Parts 20, 35	60 FR 48623; (10/20/98)	1995-7	F ML040980538	N 5/06/04 ML041270512	10/02/02
10 CFR Part 71: Compatibility with the International Atomic Energy Agency-Part 71	60 FR 50248; 61 FR 28724 (4/1/99)	1996-1	F ML020320229	N 2/1/02 ML020360223	10/02/02
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	F ML020320229	N 2/1/02 ML020360223	10/02/02
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	F ML020320229	N 2/1/02 ML020360223	10/02/02
Criteria for the Release of Individuals Administered Radioactive Material-Parts 20, 35	62 FR 4120; (5/29/00)	1997-3	F ML020320229	N 2/1/02 ML020360223	10/02/02
Fissile Material Shipments and Exemptions-Part 71	62 FR 5907; (none)	1997-4			Not required ³

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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	F ML020320229	N 2/1/02 ML020360223	10/02/02
Radiological Criteria for License Termination-Parts 20, 30, 40, 70	62 FR 39057; (8/20/00)	1997-6	F ML040980538	Y 5/06/04 ML041270512	10/02/02
Exempt Distribution of a Radioactive Drug Containing One Microcurie of Carbon-14 Urea-Part 30	62 FR 63634; (1/02/01)	1997-7	F ML020320229	N 2/1/02 ML020360223	10/02/02
Deliberate Misconduct by Unlicensed Persons-Parts 30, 40, 61, 70, 71, 150	63 FR 1890; 63 FR 13773 (2/12/01)	1998-1	F ML020320229	N 2/1/02 ML020360223	10/02/02
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	F ML040980538	N 5/06/04 ML041270512	10/02/02
Minor Corrections, Clarifying Changes, and a Minor Policy Change-Parts 20, 35, 36	63 FR 39477; 63 FR 45393 (10/26/01)	1998-5	F ML062130094	N 9/1/06 ML062490270	
Transfer for Disposal and Manifests: Minor Technical Conforming Amendment-Part 20	63 FR 50127; (11/20/01)	1998-6	F ML062130094	N 9/1/06 ML062490270	
Radiological Criteria for License Termination of Uranium Recovery Facilities-Part 40	64 FR 17506; (6/11/02)	1999-1			Not applicable to TN
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
Respiratory Protection and Controls to Restrict Internal Exposure-Part 20	64 FR 54543; 64 FR 55524 (2/2/03)	1999-3	F ML062130094	N 9/1/06 ML062490270	
Energy Compensation Sources for Well Logging and Other Regulatory Clarifications-Part 39	65 FR 20337; (5/17/03)	2000-1	F ML062130094	N 9/1/06 ML062490270	

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New Dosimetry Technology- Parts 34, 36, 39	65 FR 63750; (1/8/04)	2000-2	F ML062130094	N 9/1/06 ML062490270	
★Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material - Parts 30, 31, 32	65 FR 79162; (2/16/04)	2001-1	F ⁷ ML071560152	Y 07/11/07 ML071920135	
★Revision of the Skin Dose Limit - Part 20	67 FR 16298; (4/5/05)	2002-1	F ML071560152	N 07/11/07 ML071920135	
Medical Use of Byproduct Material - Parts 20, 32, and 35	67 FR 20249; (4/24/05)	2002-2			
Financial Assurance for Materials Licensees – Parts 30, 40, 70	68 FR 57327 12/3/06	2003-1			
Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments – Part 71	69 FR 3697; (10/01/07)	2004-1			
Security Requirements for Portable Gauges Containing Byproduct Material - Part 30	70 FR 2001; (7/11/08)	2005-1			
Medical Use of Byproduct Material - Recognition of Speciality Boards - Part 35	70 FR 16336; 71 FR 1926 (4/29/08)	2005-2			
Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) ⁶	70 FR 72128; (12/1/05)	2005-3	LC ML052590043	N 9/19/2005 ML052630474	
Minor Amendments-Parts 20, 30, 32, 35, 40 and 70	71 FR 15005 (3/27/09)	2006-1			
National Source Tracking System - Serialization Requirements - Part 32 with reference to Part 20 Appendix F	71 FR 65685 (2/6/07)	2006-2			

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National Source Tracking System - Part 20	71 FR 65865 (11/15/07) & (11/30/07)	2006-3 ⁸			

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.
6. By letter dated September 2, 2005, from Paul H. Lohaus, Director, Office of State and Tribal Programs, Agreement States were given 90 days to issue legally binding requirements satisfying the requirements of NRC Order EA-05-090.
7. A re-review was completed on this item due to the change in compatibility category of 31.5 and 31.6. More information can be found in the All Agreement States letter STP 05-072
8. RATS ID 2006-3 will not be considered under the Non-Common Performance Indicator "Compatibility Requirements" for IMPEP reviews until such time as the National Source Tracking System is ready for use. Revisions in the implementation date for Agreement States will be provided to the States under separate correspondence and the SRS sheet will be revised as appropriate.