

May 6, 2004

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

Dear Mr. Nanney:

We have reviewed the final revisions to the Tennessee "*State Regulations for Protection Against Radiation*", received by our office on April 6, 2004. In addition, we reviewed your responses to our letters, dated February 1, 2002 and March 25, 2004, which contained our comments on your proposed version of those rules. We also reviewed the submitted rule sections in response to Tennessee's request for Nuclear Regulatory Commission (NRC) evaluation of the incorporation of the Radiological Criteria for License Termination amendment. These regulations were reviewed by comparison to the equivalent (NRC) regulations in 10 CFR Parts 20, 30, 34, 40, 70 and 71 and the requirements of the three amendments identified in the enclosed State's Regulation Status Data Sheet (SRS). We discussed our review of the regulations with Debra Shults on May 6, 2004.

As a result of our review, we have one comment. Please provide an amended, final version of your rules showing the location of any changes made, by the State, in response to our comment. If Tennessee believes that this comment is in error, the State should identify the section of their regulations that meets the designated compatibility category. 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 adopted, incorporating our comments and without significant change, they would meet the compatibility and health and safety categories established in the Office of State and Tribal Programs (STP) 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 STP website: <http://www.hrsd.ornl.gov/nrc/rulemaking.htm>.

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 me, or Dr. Stephen Salomon of my staff at (301) 415-2368 or [SNS@NRC.GOV](mailto:SNS@NRC.GOV).

Sincerely,

***IRA By KNSchneider For\***

Josephine Piccone, Deputy Director  
Office of State and Tribal Programs

Enclosures:  
As stated



**COMPATIBILITY COMMENTS ON  
TENNESSEE FINAL REGULATIONS**

	STATE SECTION	NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
1	Omitted	30.35(g)(3)(iv)	1997-6	D/H&S	<p><b>Financial assurance and recordkeeping for decommissioning</b></p> <p>Omitted is the provision that requires “all areas outside of restricted areas that contain material such that, if the license expired, the licensee would be required to either decontaminate the area to meet the criteria for decommissioning in 10 CFR Part 20, Subpart E, or apply for approval for disposal under 10 CFR 20.2002.”</p> <p>The State needs to include the essential objectives of this provision to meet compatibility.</p>

## STATE REGULATION STATUS

**State: TENNESSEE**

**[Three Amendment reviewed are identified by a ★ Tracking Ticket Number: 4-79  
at the beginning of each equivalent NRC regulation.] Date: May 6, 2004**

NRC Chronology Identification	FR Notice (State Due Date)	RATS ID	Proposed (P) / Final (F) <sup>1</sup> Rule / ML # <sup>5</sup>	NRC Review / Y, N <sup>2</sup> / Date / ML # <sup>5</sup>	Final State Regulation <sup>1</sup> (Effective Date)
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	N 12/18/97	
Safety Requirements for Radiographic Equipment-Part 34	55 FR 843; (1/10/94)	1991-1			
ASNT Certification of Radiographers-Part 34	56 FR 11504; (none)	1991-2			Not required <sup>3</sup>
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			
Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions-Parts 30,35	57 FR 45566; (none)	1992-2			Not required <sup>3</sup>
Licensing and Radiation Safety Requirements for Irradiators-Part 36	58 FR 7715; (7/1/96)	1993-2			Not applicable SECY-95-112 <sup>4</sup>
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	F	N 12/2/96	Not required <sup>3</sup> Alternate rule 1987
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	P 2/13/04 ML040540516	N 3/25/04 ML040850212	

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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 Examinations for Use of Respiratory Protection Equipment-Part 20	60 FR 7900; (3/13/98)	1995-2	F ML020320229	N 2/1/02 ML020360223	10/02/02
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			
★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 <sup>3</sup>
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
Fissile Material Shipments and Exemptions-Part 71	62 FR 5907; (none)	1997-4			Not required <sup>3</sup>

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Recognition of Agreement State Licenses in Areas Under Exclusive Federal Jurisdiction Within an Agreement State-Part 150	62 FR 1662; (2/27/00)	1997-2	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
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 <sup>3</sup>
License Term for Medical Use Licenses-Part 35	63 FR 31604; (none)	1998-3			Not required <sup>3</sup>
★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	P 10/17/03 ML033010588	Y 12/01/03 ML033360370	
Transfer for Disposal and Manifests: Minor Technical Conforming Amendment-Part 20	63 FR 50127; (11/20/01)	1998-6	P 10/17/03 ML033010588	N 12/01/03 ML033360370	

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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 <sup>3</sup>
Respiratory Protection and Controls to Restrict Internal Exposure-Part 20	64 FR 54543; 64 FR 55524 (2/2/03)	1999-3	P 10/17/03 ML033010588	Y 12/01/03 ML033360370	
Energy Compensation Sources for Well Logging and Other Regulatory Clarifications-Part 39	65 FR 20337; (5/17/03)	2000-1	P 10/17/03 ML033010588	N 12/01/03 ML033360370	
New Dosimetry Technology-Parts 34, 36, 39	65 FR 63750; (1/8/04)	2000-2	P 10/17/03 ML033010588	N 12/01/03 ML033360370	
Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material - Parts 30, 31, 32	65 FR 79162; (2/16/04)	2001-1	P 2/13/04 ML040540516	Y 03/25/04 ML040850212	
Revision of the Skin Dose Limit - Part 20	67 FR 16298; (4/5/05)	2002-1	P 2/13/04 ML040540516	Y 03/25/04 ML040850212	
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			

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