

March 13, 2007

Paul S. Schmidt, Chief
Radiation Protection Section
Department of Health and Family Services
P.O. Box 2659
Madison, WI 53701

Dear Mr. Schmidt:

The Office of Federal and State Materials and Environmental Management Programs (FSME) has reviewed your letter dated January 31, 2007, in response to our letter dated January 9, 2007, which transmitted our comments on Wisconsin's radiation protection final rules in Chapter HFS 157 "Radiation Protection." In your letter, you disagreed with three of the 10 compatibility related comments we made regarding the final rules. We discussed our review of the regulations with Cheryl Rogers and Jason Hunt on February 13, 2007.

The additional information provided in your letter has enabled us to verify that your regulations meet the Compatibility Category B designation for Comment 8 from our January 9, 2007 letter. That comment is withdrawn. Regarding Comments 9 and 10, the Wisconsin rules combined from 10 CFR 35.57(a)(1) and (2) into Chapter HFS 157.61(10). Paragraphs 35.57(a)(1) and (2) identify certain medical professionals who are excepted from the training requirements in §§35.50, 35.51, and 35.55. The medical professionals excepted by paragraphs 35.57(a)(1) and (2) are defined based on both how they are identified in certain Agreement State and NRC licenses, and when such licenses were issued. We acknowledge that Wisconsin became an Agreement State on August 11, 2003, and that some of the reference dates in §35.57 refer to time periods prior to 2003. However both §35.57 and HFS 157.61(10) refer to individuals who may have been identified in licenses issued by other regulators (i.e. NRC or other Agreement States) during these time periods. Therefore, the reference dates in paragraphs 35.57(a)(1) and (2) are relevant and must be included in HFS 157.61(10) in order to meet the Compatibility Category B criteria which requires adoption of an essentially identical rule.

The attached table shows the nine outstanding comments that need to be incorporated into Wisconsin's final regulations and the one withdrawn comment which requires no action by Wisconsin.

The attached SRS Data Sheet summarizes our knowledge of the status of other Wisconsin regulations and legal binding requirements, as indicated. The suggested updates to the SRS Data Sheet will be made as you requested in your January 31, 2007 letter. Please let us know if you note any additional 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.hsrdo.org/rulemaking/htm>.

If you have any questions regarding the review, 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 310-415-2320 (email: kxs@nrc.gov) or Jim Lynch at 630-829-9661 (e-mail at jll@nrc.gov).

Sincerely,

IRA By S.W. Moore

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

Enclosure:
As stated

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Office of Federal and State Materials and
Environmental Management Programs

Enclosure:
As stated

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**COMPATIBILITY COMMENTS ON WISCONSIN FINAL REGULATIONS
RESOLUTION OF JANUARY 31, 2007 LETTER**

★Comment Challenged

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
1	157.09(2)(a)(2)	30.14	N/A	B	<p>Exempt Concentrations</p> <p>Wisconsin omits the paragraph "This exemption does not apply to the transfer of byproduct material contained in any food, beverage, cosmetic, drug, or other commodity or product designed for ingestion or inhalation by, or application to, a human being," from HFS 157.09(2)(a)(2).</p> <p>Wisconsin needs to add this paragraph to HFS 157.09(2)(a)(2) to meet the Compatibility Category B designation assigned to 10 CFR 30.14.</p>
2	157.09(2)(g)	30.21	N/A	B	<p>Radioactive drug: Capsules containing carbon-14 urea for "in vivo" diagnostic use for humans</p> <p>Wisconsin references HFS 157.13(4)(l) in HFS 157.09(2)(g)(3). This reference to HFS 157.13(4)(l) does not match the reference to 10 CFR 32.21. Either the correct reference needs to be inserted or HFS 157.09(g) should reference 10 CFR 32.21.</p> <p>Wisconsin needs to revise HFS 157.09(2)(g) to reference 10 CFR 32.21 to meet the Compatibility Category B designation assigned to 10 CFR 30.21.</p>
3	157.53(1)(a)(2)	39.61	N/A	B	<p>Requirements for Personnel Safety</p> <p>The Wisconsin regulation includes the requirement to completed a course recognized by the department, the NRC, another agreement state or a licensing state. This requirement makes HFS 157.53(1)(a)(2) more restrictive than 10 CFR 39.61.</p> <p>Wisconsin needs to omit the requirements for completion of a course in order to meet the Compatibility Category B designation assigned to 10 CFR 39.61.</p>
4	157.03(197m, 198, 199, 200)	71.4	2004-1	B	<p>Definition- Low Specific Activity</p> <p>The definition of LSA-III omits the reference to meet requirements of 10 CFR 71.77 'Qualification of LSA-III material'.</p> <p>Wisconsin needs to add the appropriate reference corresponding to 10 CFR 71.77 to the definition of</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
					LSA-III to meet the Compatibility Category B designation assigned to Low Specific Activity in 10 CFR 71.4.
5	157.92 (3)(a)	71.5(a)	2004-1	B	<p>Transportation of Licensed Material</p> <p>Wisconsin omits the reference to "DOT regulations 49 CFR parts 107, 171 through 180, and 390 through 397" from HFS 157.92(3)(a)(1).</p> <p>The State has not adequately addressed the comment regarding the inclusion in the introductory paragraph, provisions that the licensee shall comply with the applicable requirements of DOT regulations in 49 CFR Parts 107, 171 through 180, and 390 through 397, appropriate to the mode of transport, and the licensee shall particularly note DOT regulations in the following areas. Wisconsin needs to include the revisions noted above to meet the Compatibility Category B designation assigned to 10 CFR 71.5.</p> <p>Wisconsin needs to add the above reference to this section to meet the Compatibility Category B designation assigned to 10 CFR 71.5(a).</p>
6	157.92 (3)(b)	71.5(b)	2004-1	B	<p>Transportation of Licensed Material</p> <p>Wisconsin incorrectly references the DOT regulations in HFS 157.92(3)(b). The reference should be changed to read "...49 CFR parts 107, 171 through 180, and 390 through 397...".</p> <p>Wisconsin needs to revise the DOT reference in HFS 157.92(3)(b) to read 49 CFR parts 107, 171 through 180, and 390 through 397 to meet the Compatibility Category B designation assigned to 10 CFR 71.5(b).</p>
7	157 Appendix O	Appendix A Part 71	2004-1	B	<p>Determination of A1 and A2</p> <p>It was stated in a May 2006 letter that in Appendix O, Subsection II, Wisconsin makes reference to values in Table VII for values that may be used without department approval. The correct table is Table VIII. Also, Wisconsin did not include equivalent provisions for the following 10 CFR Part 71, Appendix A Subsections: II(b), II(c), III(e) and III(f). Wisconsin indicated that they will be correcting these items in their next rule making.</p> <p>Wisconsin needs to change HFS 157 Appendix O to correct the Table reference in Subsection II and add subsections equivalent to 10 CFR 71 Appendix A II(b), II(c), III(e), and III(f) to meet the Compatibility Category B designation assigned to 10 CFR 71 Appendix A.</p>

STATE SECTION		NRC SECTION	RATS ID	CATEGORY	SUBJECT and COMMENTS
★8	157.03(294)	35.2	2005-2	B	<p>Definition - Radiation Safety Officer</p> <p>Wisconsin's definition of Radiation Safety Officer omits the requirements of paragraph (2) in the 10 CFR 35.2 definition of Radiation Safety Officer.</p> <p>This comment was withdrawn based on information provided in Wisconsin's January 31, 2007 letter.</p>
★9	157.61(10)(a)	35.57 (a)(1)	2005-2	B	<p>Training for Experienced Radiation Safety Officer, Teletherapy or Medical Physicist, Authorized Medical Physicist, Authorized User, Nuclear Pharmacist, and Authorized Nuclear Pharmacist</p> <p>Wisconsin adds "...authorized medical physicist..." to paragraph (a). Also Wisconsin does not include the phrasing "before October 24, 2002" in 157.61(10)(a).</p> <p>Wisconsin needs to change 157.61(10)(a) to remove the phrase "authorized medical physicist" and add "before October 24, 2002" to meet the Compatibility Category B designation assigned to 10 CFR 35.57(a)(1).</p> <p>Comment Stands</p>
★10	157.61(10)	35.57 (a)(2)	2005-2	B	<p>Training for Experienced Radiation Safety Officer, Teletherapy or Medical Physicist, Authorized Medical Physicist, Authorized User, Nuclear Pharmacist, and Authorized Nuclear Pharmacist</p> <p>Wisconsin omits 10 CFR 35.57(a)(2) from its regulations.</p> <p>Wisconsin needs to add this section to HFS 157.61(10) to meet the Compatibility Category B designation assigned to 10 CFR 35.57.</p> <p>Comment Stands</p>

STATE REGULATION STATUS

State: Wisconsin

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

Tracking Ticket Number: 7-22

Date: March 13, 2007

NRC Chronology Identification	FR Notice (State Due Date)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
Safety Requirements for Radiographic Equipment-Part 34	55 FR 843; (1/10/94)	1991-1			08/01/02 ⁶
ASNT Certification of Radiographers-Part 34	56 FR 11504; (none)	1991-2			08/01/02 ⁶
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			08/01/02 ⁶
Notification of Incidents-Parts 20, 30, 31, 34, 39, 40, 70	56 FR 64980; (10/15/94)	1991-4			08/01/02 ⁶
Quality Management Program and Misadministrations-Part 35	56 FR 34104; (1/27/95)	1992-1			08/01/02 ⁶
Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions- Parts 30, 35	57 FR 45566; (none)	1992-2			08/01/02 ⁶
Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites]-Parts 30, 40	58 FR 39628; (10/25/96)	1993-1			08/01/02 ⁶
Licensing and Radiation Safety Requirements for Irradiators-Part 36	58 FR 7715; (7/1/96)	1993-2			08/01/02 ⁶
Definition of Land Disposal and Waste Site QA Program-Part 61	58 FR 33886; (7/22/96)	1993-3			08/01/02 ⁶
Self-Guarantee as an Additional Financial Mechanism-Parts 30, 40, 70	58 FR 68726; 59 FR 1618; (none)	1994-1			08/01/02 ⁶
Uranium Mill Tailings Regulations: Conforming NRC Requirements to EPA Standards-Part 40	59 FR 28220; (7/1/97)	1994-2			Not required ³
Timeliness in Decommissioning Material Facilities-Parts 30, 40, 70	59 FR 36026; (8/15/97)	1994-3			08/01/02 ⁶
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			08/01/02 ⁶
Frequency of Medical Examinations for Use of Respiratory Protection Equipment-Part 20	60 FR 7900; (3/13/98)	1995-2			08/01/02 ⁶
Low-Level Waste Shipment Manifest Information and Reporting-Parts 20, 61	60 FR 15649; 60 FR 25983; (3/1/98)	1995-3			08/01/02 ⁶
Performance Requirements for Radiography Equipment-Part 34	60 FR 28323; (6/30/98)	1995-4			08/01/02 ⁶

NRC Chronology Identification	FR Notice (State Due Date)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
Radiation Protection Requirements: Amended Definitions and Criteria-Parts 19, 20	60 FR 36038; (8/14/98)	1995-5			08/01/02 ⁶
Clarification of Decommissioning Funding Requirements-Parts 30, 40, 70	60 FR 38235; (11/24/98)	1995-6			08/01/02 ⁶
Medical Administration of Radiation and Radioactive Materials-Parts 20, 35	60 FR 48623; (10/20/98)	1995-7			08/01/02 ⁶
10 CFR Part 71: Compatibility with the International Atomic Energy Agency-Part 71	60 FR 50248; 61 FR 28724; (4/1/99)	1996-1			08/01/02 ⁶
One Time Extension of Certain Byproduct, Source and Special Nuclear Materials Licenses- Parts 30, 40, 70	61 FR 1109; (none)	1996-2			08/01/02 ⁶
Termination or Transfer of Licensed Activities: Recordkeeping Requirements-Parts 20, 30, 40, 61, 70	61 FR 24669; (6/17/99)	1996-3			08/01/02 ⁶
Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act- Part 20	61 FR 65120; (1/9/00)	1997-1			08/01/02 ⁶
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			08/01/02 ⁶
Criteria for the Release of Individuals Administered Radioactive Material-Parts 20, 35	62 FR 4120; (5/29/00)	1997-3			08/01/02 ⁶
Fissile Material Shipments and Exemptions-Part 71	62 FR 5907; (none)	1997-4			08/01/02 ⁶
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			08/01/02 ⁶
Radiological Criteria for License Termination-Parts 20, 30, 40, 70	62 FR 39057; (8/20/00)	1997-6			08/01/02 ⁶
Exempt Distribution of a Radioactive Drug Containing One Microcurie of Carbon-14 Urea- Part 30	62 FR 63634; (1/02/01)	1997-7			08/01/02 ⁶
Deliberate Misconduct by Unlicensed Persons-Parts 30, 40, 61, 70, 71, 150	63 FR 1890; 63 FR 13773; (2/12/01)	1998-1			08/01/02 ⁶
Self-Guarantee of Decommissioning Funding by Nonprofit and Non-Bond-Issuing Licensees- Parts 30, 40, 70	63 FR 29535; (none)	1998-2			08/01/02 ⁶
License Term for Medical Use Licenses-Part 35	63 FR 31604; (none)	1998-3			08/01/02 ⁶
Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations-Part 34	63 FR 37059; (7/9/01)	1998-4			08/01/02 ⁶

NRC Chronology Identification	FR Notice (State Due Date)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
Minor Corrections, Clarifying Changes, and a Minor Policy Change-Parts 20, 35, 36	63 FR 39477; 63 FR 45393; (10/26/01)	1998-5			08/01/02 ⁶
Transfer for Disposal and Manifests: Minor Technical Conforming Amendment-Part 20	63 FR 50127; (11/20/01)	1998-6			08/01/02 ⁶
Radiological Criteria for License Termination of Uranium Recovery Facilities-Part 40	64 FR 17506; (6/11/02)	1999-1			08/01/02 ⁶
Requirements for Those Who Possess Certain Industrial Devices Containing Byproduct Material to Provide Requested Information-Part 31	64 FR 42269; (none)	1999-2			08/01/02 ⁶
Respiratory Protection and Controls to Restrict Internal Exposure-Part 20	64 FR 54543; 64 FR 55524; (2/2/03)	1999-3			08/01/02 ⁶
Energy Compensation Sources for Well Logging and Other Regulatory Clarifications-Part 39	65 FR 20337; (5/17/03)	2000-1			08/01/02 ⁶
New Dosimetry Technology-Parts 34, 36, 39	65 FR 63750; (1/8/04)	2000-2			08/01/02 ⁶
★Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material - Parts 30, 31, 32	65 FR 79162; (2/16/04)	2001-1	F ⁸ ML070530037	Y 3/13/07 ML070720431	08/01/02 ⁶
Revision of the Skin Dose Limit-Part 20	67 FR 1629; (4/5/05)	2002-1	F ML063120323	N 1/09/07 ML070090076	08/01/02 ⁶
★Medical Use of Byproduct Material-Parts 20, 32, 35	67 FR 20249; (10/24/05)	2002-2	F ML070530037	N 03/13/07 ML070720431	11/01/06
Financial Assurance for Materials Licensees – Parts 30, 40, 70	68 FR 57327; (12/3/06)	2003-1	F ML063120323	N 1/09/07 ML070090076	11/01/06
Compatibility with IAEA Transportation Safety Standards and Other Transportation Safety Amendments - Part 71	69 FR 3697; (10/01/07)	2004-1	F ML063120323	Y 1/09/07 ML070090076	11/01/06
Security Requirements for Portable Gauges Containing Byproduct Material - Part 30	70 FR 2001; (7/11/08)	2005-1	F ML063120323	N 1/09/07 ML070090076	11/01/06
★Medical Use of Byproduct Material - Recognition of Specialty Boards - Part 35	70 FR 16336; 71 FR 1926 (4/29/08)	2005-2	F ML070530037	Y 3/13/07 ML070720431	11/01/06
Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) ⁷	70 FR 72128; (12/1/05)	2005-3	LC ML052560315	N 09/14/05 ML052580010	11/11/06

NRC Chronology Identification	FR Notice (State Due Date)	RATS ID	Proposed (P) / Final (F) ¹ Rule / ML # ⁵	NRC Review / Y, N ² / Date / ML # ⁵	Final State Regulation ¹ (Effective Date)
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 E	71 FR 65685 (2/6/07)	2006-2			Not Applicable 02/01/07 ML 070310335
National Source Tracking System - Part 20	71 FR 65865 (11/15/07) & (11/30/07)	2006-3			

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 the regulation. See: "Final Policy Statement on Adequacy and Compatibility of Agreement State Programs," III.1.Time From For Adoption of Compatible State Regulations, p. 6, SECY-95-112, May 3, 1995.
5. ADAMS ML Number.
6. Wisconsin became an Agreement State effective 08/11/03. The State incorporated NRC regulations 08/01/02 and these regulations were found compatible.
7. 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
8. 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.