



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

January 24, 2017

Mr. Augustinus Ong, Administrator
State of New Hampshire
Department of Health and Human Services
Radiological Health Section
29 Hazen Drive
Concord, NH 03301-6527

Dear Mr. Ong:

We have reviewed the final revisions to the New Hampshire Radiological Health Rules sections He-P 4030, 4032, 4035, and 4090, received by our office on November 10, 2016. These regulations were reviewed by comparison to the equivalent U.S. Nuclear Regulatory Commission (NRC) rules and the requirements of Regulation Amendment Tracking System Identification Numbers (RATS IDs) 2005-2 and 2006-1 as identified in the enclosed State Regulation Status (SRS) Data Sheet. We discussed our review of the regulations with you on January 18, 2017.

As a result of our review, we have 15 comments that have been identified in the enclosure. **In addition to those comments, we have a general comment for New Hampshire to review all referenced regulations embedded throughout their submitted rules to ensure that they match the equivalent NRC regulations.** 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 New Hampshire, 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 New Hampshire 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 State Communication Portal: <https://scp.nrc.gov/rulemaking.html>.

A. Ong

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If you have any questions regarding the comment, 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) or Joe O'Hara at 301-415-6854 (Joe.OHara@nrc.gov).

Sincerely,

/RA Paul Michalak 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. New Hampshire SRS Data Sheet

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DISTRIBUTION: SP05
DIR RF 17-11
Donna Janda, RSAO
New Hampshire File

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|--------|---------|------------|-----------------------|-----------|------------------------------|
| OFFICE | ASPB | ASPB | OGC | ASPB:BC | MSTR:DD |
| NAME | JOHara | MBeardsley | EKrause NLO via email | PMichalak | Paul Michalak for PHenderson |
| DATE | 1/18/17 | 1/18/17 | 1/18/17 | 1/24/17 | 1/24/17 |

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OFFICIAL RECORD COPY

Package ML16320A048

COMPATIBILITY COMMENTS ON NEW HAMPSHIRE FINAL REGULATIONS

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|--------------|-------------|------------------|----------|--|
| 1 | 4035 4036 | Part 35 | 2005-2 2006-1 | various | <p>Various</p> <p>In multiple instances throughout its equivalent regulations to 10 CFR Part 35, NH has written “requirements of an equivalent agreement state”; this should be changed to read, “equivalent agreement state requirements” (since the requirements, not the state, should be equivalent).</p> <p>NH needs to make the change indicated above to meet the various Compatibility Categories assigned to 10 CFR Part 35.</p> |
| 2 | 4035.03 | § 35.2 | 2005-2 2006-1 | B | <p>Definitions</p> <p>NH needs to correct all cross-references throughout their equivalent definitions to 10 CFR 35.2.</p> <p>NH needs to make the corrections indicated above to meet the Compatibility Category B designation assigned to 10 CFR 35.2, Definitions.</p> |
| 3 | 4035.61 | § 35.50 | 2005-2 | B | <p>Training for Radiation Safety Officer</p> <p>NH’s regulation does not delineate between the different alternatives such as those in 10 CFR 35.50(a) and (c)(1). As written, it appears that certification by a specialty board is required in all cases.</p> <p>New Hampshire needs to make the above change to meet the Compatibility Category B designation assigned to 10 CFR 35.50.</p> |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|---------|-------------|------------------|----------|--|
| 4 | 4035.74 | §35.55 | 2005-2 | B | <p>Training for an authorized nuclear pharmacist</p> <p>NH needs to remove the word “Didactic” and add the wording “200 hours of classroom and laboratory” in front of the word “training” in 4035.74(c)(1)a.</p> <p>NH needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.55.</p> <p>COMMENT STANDS FROM NRC LETTER DATED MARCH 28, 2013 (ML13035A121).</p> <p>NEW COMMENTS: NH needs to add the word “practical” between “Supervised” and “experience” in 4035.74(c)(1)b.</p> <p>NH needs to correct its internal cross-references. For example, NH needs to change “satisfactorily completed the requirements in He-P 4035.74(b) or (c)” in 4035.74(d) to “satisfactorily completed the requirements in He-P 4035.74(b)(1), (b)(2), and (b)(3) or (c).”</p> <p>NH needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.55.</p> |
| 5 | 4035.64 | §35.290 | 2005-2 2006-1 | B | <p>Training for imaging and localization studies</p> <p>NH needs to correct its internal cross-references and ensure that the structure of the regulation corresponds such that it is essentially identical to the NRC’s.</p> |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|---------|-------------|------------------|----------|--|
| | | | | | <p>NH needs to replace “uptake, dilution, and excretion studies” in 4035.64(b)(1) with “imaging and localization studies”.</p> <p>New Hampshire needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.290.</p> |
| 6 | 4035.65 | §35.390 | 2005-2 2006-1 | B | <p>Training for use of unsealed byproduct material for which a written directive is required.</p> <p>NH’s equivalent regulations are not essentially identical to 10 CFR Part 35.390 in structure and content, e.g.:</p> <p>NH does not provide their equivalent cross-reference for 35.390(b), the structure of 4035.65 (e)(1) and (e)(2) are not essentially identical to 10 CFR 35.390(b)(2).</p> <p>NH needs to add “successfully” before “complete residency training” in 4035.65 (b)(1).</p> <p>NH needs to add “medicine” between “nuclear” and “training program” in 4035.65 (b)(1).</p> <p>NH needs to change “quality control” to “quality assurance.”</p> <p>New Hampshire needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.390.</p> |
| 7 | 4035.66 | §35.392 | 2005-2 2006-1 | B | <p>Training for the oral administration of sodium iodide I-131 requiring a written directive</p> |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|---------|-------------|------------------|----------|--|
| | | | | | <p>NH's equivalent regulations are not essentially identical to 10 CFR Part 35.392 in structure and content, e.g.:</p> <p>NH regulations in He-P 4035.66 (b) contain inaccurate cross-references, i.e., when cross-references are made to the requirements in 4035.66 (b)(1) and (b)(2), it misses the introductory language in (b), which would then make it not essentially identical to 35.392(c)(1).</p> <p>NH needs to add their equivalent cross-references to 35.390(b)(1)(ii)(G)(2) and 35.394 in (a)(3).</p> <p>NH needs to ensure that cross-references from the requirements in 4035.66 (b)(1) and (b)(2), include the introductory language in 4035.66 (b)</p> <p>NH needs to combine 4035.66 (a)(3) and (a)(4) and rewrite it in a way to be essentially identical to 35.392(b).</p> <p>NH needs to replace "and" with "or" between 4035.66(c)(2)b.1 and (c)(2)b.2 in 4035.66 (b)(2).</p> <p>NH needs to rewrite/restructure 4035.66(c)(2) and (c)(3) to be essentially identical to 35.392(c)(3).</p> <p>New Hampshire needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.392.</p> |
| 8 | 4035.66 | §35.394 | 2005-2 2006-1 | B | Training for the oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries). |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|---------|-------------|------------------|----------|---|
| | | | | | <p>NH needs to correct its internal cross-references e.g., NH needs to change the cross-reference in (g) from 4035.66(d)(1) and (d)(2) to 4035.66(e) and (f). The cross-reference in (h)(2) should be changed to 4035.65(c)(2)b.2., etc.</p> <p>NH needs to add the equivalent to “A preceptor authorized user who meets the requirements in § 35.390(b)” instead of 35.394(c)(3) in 4035.66 (h)(2).</p> <p>New Hampshire needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.394.</p> |
| 9 | 4035.66 | §35.396 | 2005-2 2006-1 | B | <p>Training for the parenteral administration of unsealed byproduct material requiring a written directive.</p> <p>NH needs to correct its internal cross-references, e.g., the cross-reference in 4035.66 (i)(2) should be changed from 4035.66(g) to 4035.66(i)(4), and the cross-references in 4035.66 (i)(5) and (j) also should be corrected, etc.</p> <p>New Hampshire needs to correct all cross-references to meet the Compatibility Category B designation assigned to 10 CFR 35.396.</p> |
| 10 | 4036.67 | §35.491 | 2006-1 | B | <p>Training for ophthalmic use of strontium-90</p> <p>NH regulations contain inaccurate cross-references.</p> <p>NH needs to add “satisfactorily” before “completed the requirements”</p> |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|--------------------|-------------|------------------|----------|--|
| | | | | | in 4036.67 (b)(1). New Hampshire needs to make the changes indicated above to meet the Compatibility Category B designation assigned to 10 CFR 35.491. |
| 11 | 4035.68 (b) | §35.590 | 2005-2 | B | Training for use of sealed sources for diagnosis. NH needs to change the word "instruction" to the words "classroom and laboratory training" in 4035.68(b). NH needs to make the above change to meet the Compatibility Category B designation assigned to 10 CFR 35.590. |
| 12 | 4035.59 | §35.690 | 2005-2 2006-1 | B | Training for use of remote afterloader units, teletherapy units, and gamma stereotactic radiosurgery units. NH needs to correct the cross-references in 4035.59, e.g., the cross-reference in (a) should be changed from (b)(3) and (c) to (b)(4) and (c). The cross-reference in (b)(3) to (b)(1)b. should be (b)(2), etc.. NH needs to correct all cross-references to meet the Compatibility Category B designation assigned to 10 CFR 35.690. |
| 13 | 4032.05 (b)(2)b | §32.72 | 2006-1 | B | Manufacture, preparation, or transfer for commercial distribution of radioactive drugs containing byproduct material for medical use under Part 35 |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|-------------------|-------------|---------|----------|---|
| | | | | | <p>NH regulations omit their equivalent cross-references to 35.55(b) and 35.59.</p> <p>NH needs to add its equivalent cross-references as indicated above to meet the Compatibility Category B designation assigned to 10 CFR 32.72.</p> |
| 14 | 4035.73 | §35.59 | 2006-1 | B | <p>Recentness of training.</p> <p>NH needs to replace “ongoing education and applicable experience” with “related continuing education and experience”.</p> <p>NH’s equivalent regulations to Subparts B, D, E, F, G, and H do not capture all of the training and experience requirements as stated in 10 CFR Part 35 subparts. NH needs to ensure that their equivalent subparts are essentially identical to NRC’s regulations.</p> <p>New Hampshire needs to make the changes indicated above to meet the Compatibility Category B designation assigned to 10 CFR 35.59.</p> |
| 15 | 4035.63 (a)(2) | §35.190 | 2006-1 | B | <p>Training for uptake, dilution, and excretion studies.</p> <p>NH needs to correct the cross-references in 4035.63 (a)(2).</p> <p>NH needs to delete “or the equivalent” in 4035.63 (a)(2).</p> <p>New Hampshire needs to make the change indicated above to meet the Compatibility Category B designation assigned to 10 CFR 35.190.</p> |

**TYPOGRAPHICAL COMMENT
ON NEW HAMPSHIRE FINAL REGULATIONS**

| | | | |
|-----------------|---------|---|--|
| He-P 4035.65 | §35.390 | B | Training for use of unsealed byproduct material for which a written directive is required. It appears that there is a typo in NH's 4035.65 (c)(2)b.1. and 4035.65 (c)(2) b.2, i.e., sodium iodine should be sodium iodide. |
|-----------------|---------|---|--|

STATE REGULATION STATUS

State: Maryland

Tracking Ticket Number: 17-11
Date:01/24/2017

[# 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 (Supceded by 1997-5) | 01/10/1994 | Final | No Comments 09/09/1995 | Maryland has adopted Final Regulations equivalent to RATS ID: 1997-5. |
| 1991-2 | ASNT Certification of Radiographers Part 34 56 FR 11504 (Supceded by 1997-5) | none | Final | No Comments 09/09/1995 | Maryland 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 02/28/1997 | |
| 1991-4 | Notification of Incidents Parts 20, 30, 31, 34, 39, 40 and 70 56 FR 64980 | 10/15/1994 | Final | No Comments 04/15/1998 | |
| 1992-1 | Quality Management Program and Misadministrations Part 35 56 FR 34104 (Supceded by 2002-2) | 01/27/1995 | Final | No Comments 09/09/1995 | Maryland has not yet adopted Final Regulations equivalent to RATS ID: 2002-2. |

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|---|---|-----------------------------|-----------------------------|---------------------------|--|
| 1992-2 | Eliminating the Recordkeeping Requirements for Departures from Manufacturer's Instructions Parts 30 and 35 57 FR 45566 | none | Not Required | Not Required | These regulation changes are not required to be adopted for purposes of Compatibility |
| 1993-1 | Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites] Parts 30 and 40 58 FR 39628 | 10/25/1996 | Final | No Comments 10/19/1995 | |
| 1993-2 | Licensing and Radiation Safety Requirements for Irradiators Part 36 58 FR 7715 | 07/01/1996 | Final | No Comments 03/20/1997 | |
| 1993-3 | Definition of Land Disposal and Waste Site QA Program Part 61 58 FR 33886 | 07/22/1996 | Not Applicable ¹ | Not Applicable | Maryland 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 and 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. |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|---|-----------------------------|-----------------|---------------------------|---|
| 1994-2 | Uranium Mill Tailings Regulations: Conforming NRC Requirements to EPA Standards Part 40 59 FR 28220 | 07/01/1997 | Not Applicable | Not Applicable | Maryland does not have authority to regulate this material under its Agreement. |
| 1994-3 | Timeliness in Decommissioning Material Facilities Parts 30, 40 and 70 59 FR 36026 | 08/15/1997 | Final | No Comments 08/08/2000 | |
| 1995-1 | Preparation, Transfer for Commercial Distribution, and Use of Byproduct Material for Medical Use Parts 30, 32 and 35 59 FR 61767; 59 FR 65243; 60 FR 322 | 01/01/1998 | Final | No Comments 08/08/2000 | |
| 1995-2 | Frequency of Medical Examinations for Use of Respiratory Protection Equipment Part 20 60 FR 7900 | 03/13/1998 | Final | No Comments 11/03/1997 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|---|-----------------------------|-----------------|---------------------------|---|
| 1995-3 | Low-Level Waste Shipment Manifest Information and Reporting Parts 20 and 61 60 FR 15649; 60 FR 25983 | 03/01/1998 | Final | No Comments 12/28/1997 | |
| 1995-4 | Performance Requirements for Radiography Equipment Part 34 60 FR 28323 (Superseded by 1997-5) | 06/30/1998 | Final | No Comments 08/08/2000 | Maryland has adopted Final Regulations equivalent to RATS ID: 1997-5. |
| 1995-5 | Radiation Protection Requirements: Amended Definitions and Criteria Parts 19 and 20 60 FR 36038 | 08/14/1998 | Final | No Comments 08/08/2000 | |
| 1995-6 | Clarification of Decommissioning Funding Requirements Parts 30, 40 and 70 60 FR 38235 | 11/24/1998 | Final | No Comments 08/08/2000 | |
| 1995-7 | Medical Administration of Radiation and Radioactive Materials Parts 20 and 35 60 FR 48623 (Superseded by 2002-2 and 2005-2) | 10/20/1998 | Final | No Comments 08/08/2000 | Maryland has not yet adopted Final Regulations equivalent to RATS IDs: 2002-2 and 2005-2. |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|----------------------|--|--|
| 1996-1 | Compatibility with the International Atomic Energy Agency Part 71 60 FR 50248; 61 FR 28724 (Superceded by 2004-1) | 04/01/1999 | Final | No Comments 08/08/2000 | Maryland has not yet adopted Final Regulations Equivalent to RATS ID: 2004-1. |
| 1996-2 | One Time Extension of Certain Byproduct, Source and Special Nuclear Materials Licenses Parts 30, 40 and 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 and 70 61 FR 24669 | 06/17/1999 | Final | No Comments 08/08/2000 | |
| 1997-1 | Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act Part 20 61 FR 65120 | 01/9/2000 | Final ML051380408 | No Comments 06/27/2005 ML051800055 | |
| 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 ML051380408 | No Comments 06/27/2005 ML051800055 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|----------------------|--|---|
| 1997-3 | Criteria for the Release of Individuals Administered Radioactive Material Parts 20 and 35 62 FR 4120 | 05/29/2000 | Final ML021120426 | No Comments 05/10/2002 ML021340513 | |
| 1997-4 | Fissile Material Shipments and Exemptions Part 71 62 FR 5907 (Superceded by 2004-1) | 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 and 150 62 FR 28947 | 06/27/2000 | Final ML021120426 | No Comments 05/10/2002 ML021340513 | |
| 1997-6 | Radiological Criteria for License Termination Parts 20, 30, 40 and 70 62 FR 39057 | 08/20/2000 | Final ML021120426 | No Comments 05/10/2002 ML021340513 | |
| 1997-7 | Exempt Distribution of a Radioactive Drug Containing One Microcurie of Carbon-14 Urea Part 30 62 FR 63634 | 01/02/2001 | Final ML051380408 | No Comments 06/27/2005 ML051800055 | |
| 1998-1 | Deliberate Misconduct by Unlicensed Persons Parts 30, 40, 61, 70, 71 and 150 63 FR 1890; 63 FR 13773 | 02/12/2001 | Final ML051380408 | No Comments 06/27/2005 ML051800055 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|----------------------|--|---|
| 1998-2 | Self-Guarantee of Decommissioning Funding by Nonprofit and Non-Bond-Issuing Licensees Parts 30, 40 and 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 (Superseded by 2002-2) | 07/10/2001 | Not Required | Not Required | These regulation changes are not required to be adopted for purposes of Compatibility. (See STP-98-074) |
| 1998-4 | Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations Part 34 63 FR 37059 | 07/09/2001 | Final ML051100241 | No Comments 05/13/2005 ML051360003 | |
| 1998-5 | Minor Corrections, Clarifying Changes, and a Minor Policy Change Parts 20, 32, 35, 36 and 39 63 FR 39477; 63 FR 45393 | 10/26/2001 | Final ML051100241 | No Comments 05/13/2005 ML051360003 | |
| 1998-6 | Transfer for Disposal and Manifests: Minor Technical Conforming Amendment Part 20 63 FR 50127 | 11/20/2001 | Final ML051100241 | No Comments 05/13/2005 ML051360003 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|----------------------|--|--|
| 1999-1 | Radiological Criteria for License Termination of Uranium Recovery Facilities Part 40 64 FR 17506 | 06/11/2002 | Not Applicable | Not applicable | Maryland 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 ML051100241 | No Comments 05/13/2005 ML051360003 | |
| 2000-1 | Energy Compensation Sources for Well Logging and Other Regulatory Clarifications Part 39 65 FR 20337 | 05/17/2003 | Final ML051100241 | No Comments 05/13/2005 ML051360003 | |
| 2000-2 | New Dosimetry Technology Parts 34, 36 and 39 65 FR 63750 | 01/08/2004 | Final ML071710580 | No Comments 09/04/2007 ML072470495 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|----------------------|--|-------|
| 2001-1 | Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material Parts 30, 31 and 32 65 FR 79162 | 02/16/2004 | Final ML071980288 | No Comments 08/03/2007 ML072210120 | |
| 2002-1 | Revision of the Skin Dose Limit Part 20 67 FR 16298 | 04/05/2005 | Final ML071710580 | No Comments 09/04/2007 ML072470495 | |
| 2002-2 | Medical Use of Byproduct Material Parts 20, 32 and 35 67 FR 20249 | 10/24/2005 | Final ML083290007 | No Comments 12/23/2008 ML083460488 | |
| 2003-1 | Financial Assurance for Materials Licensees Parts 30, 40 and 70 68 FR 57327 | 12/03/2006 | Final ML071710580 | No Comments 09/04/2007 ML072470495 | |
| 2004-1 | Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments Part 71 69 FR 3697 | 10/01/2007 | Final ML093500525 | No Comments 01/27/2010 ML100140061 | |
| 2005-1 | Security Requirements for Portable Gauges Containing Byproduct Material Part 30 70 FR 2001 | 07/11/2008 | Final ML083290007 | No Comments 12/23/2008 ML083460488 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|---|-----------------------------|---|--|-------|
| 2005-2 | Medical Use of Byproduct Material - Recognition of Specialty Boards Part 35 70 FR 16336; 71 FR 1926 | 04/29/2008 | Final ML083290007 | No Comments 12/23/2008 ML083460488 | |
| 2005-3 | Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) 70 FR 72128 | 12/01/2005 | License Condition ML053040172 | No Comments 11/01/2005 ML053050373 | |
| 2006-1 | Minor Amendments Parts 20, 30, 32, 35, 40 and 70 71 FR 15005 | 03/27/2009 | Final ML093500525 | No Comments 01/27/2010 ML100140061 | |
| 2006-2 | National Source Tracking System - Serialization Requirements Part 32 with reference to Part 20 Appendix E 71 FR 65685 | 02/06/2007 | Final ML093500525 | No Comments 01/27/2010 ML100140061 | |
| 2006-3 | National Source Tracking System Part 20 71 FR 65685, 72 FR 59162 | 01/31/2009 | Final ML112260004 License Condition ML083390004 | No Comment 09/22/2011 ML112411249 No Comment 12/11/2008 ML083390024 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|-------------------------------------|--|-------|
| 2007-1 | Medical Use of Byproduct Material - Minor Corrections and Clarifications Parts 32 and 35 72 FR 45147, 54207 | 10/29/2010 | Final ML093500525 | No Comments 01/27/2010 ML100140061 | |
| 2007-2 | Exemptions From Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting Requirements Parts 30, 31, 32 and 150 72 FR 58473 | 12/17/2010 | Final ML112260004 | No Comment 09/22/2011 ML112411249 | |
| 2007-3 | Requirements for Expanded Definition of Byproduct Material Parts 20, 30, 31, 32, 33, 35, 61 and 150 72 FR 55864 | 11/30/2010 | Final ML113310005 | No Comments 01/10/2012 ML113530474 | |
| 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 ML081160371 | No Comments 05/02/2008 ML081230186 | |
| 2008-1 | Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent Parts 19, 20 72 FR 68043 | 02/15/2011 | Final ML113310005 | No Comments 01/10/2012 ML113530474 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|---|-----------------------------|---|--|-------|
| 2009-1 | Medical Use of Byproduct Material – Authorized User Clarification Part 35 74 FR 33901 | 09/28/2012 | Final ML13061A002 | No Comments 03/28/2013 ML13070A113 | |
| 2011-1 | Decommissioning Planning Parts 20, 30, 40 and 70 76 FR 35512 | 12/17/2015 | Proposed ML12347A347 Final ML15077A029 | No Comments 01/16/2013 ML13002A081 Comments 05/07/2015 ML15077A026 | |
| 2011-2 | Licenses, Certifications, and Approvals for Materials Licensees Parts 30, 36, 39, 40, 70, and 150 76 FR 56951 | 11/14/2014 | Proposed ML12347A347 Final ML15077A029 | No Comments 01/16/2013 ML13002A081 No Comments 05/07/2015 ML15077A026 | |
| 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 | R ² ML13347A977 Revised Final ML15077A977 | Comments 01/17/2014 ML13347A961 No Comments 05/07/2015 ML15077A026 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | 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 | Proposed ML15119A462 Final ML15321A146 | No Comments 05/28/2015 ML15119A456 No Comments 12/21/2015 ML15321A140 | |
| 2012-3 | Technical Corrections Parts 30, 34, 40 and 71 77 FR 39899 | 08/06/2015 | Proposed ML13347A977 Final ML15077A029 | No Comments 01/17/2014 ML13347A961 No Comments 05/07/2015 ML15077A026 | |
| 2012-4 | Requirements for Distribution of Byproduct Material Parts 30, 31, 32, 40 and 70 77 FR 43666 | 10/23/2015 | Proposed ML14176A138 Final ML15281A377 | Comments 08/19/2014 ML14171A465 No Comments 11/25/2015 ML15281A372 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|---|--|-------|
| 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 ML14356A521 Final ML15281A377 | Comments 02/09/2015 ML14356A459 No Comments 11/25/2015 ML15281A372 | |
| 2013-2 | Distribution of Source Material to Exempt Persons and to General Licensees and Revision of General License and Exemptions, Parts 30, 40, and 70 78 FR 32310 | 08/27/2016 | Proposed ML15119A462 Final ML15321A146 | No Comments 05/28/2015 ML15119A456 No Comments 12/21/2015 ML15321A140 | |
| *2015-1 | Domestic Licensing of Special Nuclear Material – Written Reports and Clarifying Amendments Part 70 79 FR 57721, 80 FR 143 | 01/26/2018 | Proposed ML16109A104 Final ML16334A253 | No Comments 05/16/2016 ML16109A072 No Comments 01/24/2017 ML16320A048 | |

| beginning of the equivalent NRC requirement.] 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 | Proposed ML16109A104 Final ML16334A253 | No Comments 05/16/2016 ML16109A072 No Comments 01/24/2017 ML16320A048 | |
| *2015-3 | Revisions to Transportation Safety Requirements and Harmonization with International Atomic Energy Agency Transportation Requirements Part 71 80 FR 33987 | 07/13/2018 | Proposed ML16109A104 Final ML16334A253 | No Comments 05/16/2016 ML16109A072 Comments 01/24/2017 ML16320A048 | |
| *2015-4 | Miscellaneous Corrections, Parts 37 and 40 80 FR 45841 | 09/02/2018 | Proposed ML16109A104 Final ML16334A253 | No Comments 05/16/2016 ML16109A072 No Comments 01/24/2017 ML16320A048 | |

| beginning of the equivalent NRC requirement.] RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|---|--|-----------------------------|---|--|-------|
| *2015-5 | Miscellaneous Corrections, Parts 19, 20, 30, 32, 37, 40, 61, 70, 71, and 150 80 FR 74974 | 12/31/2018 | Proposed ML16109A104 Final ML16334A253 | No Comments 05/16/2016 ML16109A072 No Comments 01/24/2017 ML16320A048 | |
| N/A | 10 CFR 20.1301, 32.72, 35.80 and 35.3045 | N/A | Final ML113310005 | No Comments 01/11/2012 ML113530474 | |
| N/A | 10 CFR 31.5, 35.60, 35.63 35.75, and 35.80 | N/A | Final ML13061A002 | No Comments 03/28/2013 ML13070A113 | |
| N/A | 10 CFR 35.61 | N/A | Proposed ML13347A977 | No Comments 01/17/2014 ML13347A961 | |

¹ IMPEP Team: verify that Maryland does not have any licensees subject to these regulations during each review.

² R stands for revision to final rule