

August 14, 2013

Aubrey V. Godwin, Director
Arizona Radiation Regulatory Agency
4814 South 40th Street
Phoenix, AZ 85040

Dear Mr. Godwin:

We have reviewed the proposed changes to the Arizona regulations in Title 12: Natural Resources, Chapter 1: Radiation Regulatory Agency, received by our office on May 15, 2013. These regulations were reviewed by comparison to the equivalent Nuclear Regulatory Commission (NRC) rules in 10 CFR Parts 19, 20, 30, 31, 32, 33, 35, 40, 61, 70, 150 and the requirements of the six amendments identified in the enclosed State Regulation Status (SRS) Data Sheet. We discussed our review of the regulations with Jerry Perkins on August 13, 2013.

As a result of our review, we have 12 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. Under our current procedure, a finding that the Arizona regulations meet the compatibility and health and safety categories of the equivalent NRC regulation may only be made based on a review of the final Arizona regulations. However, we have determined that if your proposed regulations were adopted, incorporating our comments and without other significant change, they would 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](#), "Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements."

We request that when the proposed regulations are adopted and published as final regulations, a copy of the "as published" regulations be provided to us for review. As requested in FSME Procedure [SA-201](#), "Review of State Regulatory Requirements," please highlight the final changes, and provide a copy to Division of Materials Safety and State Agreements, FSME.

The SRS Data Sheet summarizes our knowledge of the status of other Arizona 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://nrc-stp.ornl.gov/rulemaking.html>.

A. Godwin

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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 Kathleen Schneider State Regulation Review Coordinator, at (301) 415-2320 (kathleen.schneider@nrc.gov) or Stephen Poy at (301) 415-7135 (stephen.poy@nrc.gov).

Sincerely,

/RA A.D. White for/

Pamela J. Henderson, Deputy Director
Division of Materials Safety and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Enclosures:

1. Compatibility Comments
2. Arizona SRS Data Sheet

COMPATIBILITY COMMENTS ON ARIZONA PROPOSED REGULATIONS

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|-----------|-------------|---------|----------|---|
| 1 | R12-1-311 | 30.32 | 2007-3 | B | <p>Application for specific licenses</p> <p>Arizona needs to add the equivalent provision to 10 CFR 30.32(j) in R12-1-311(G) indicating the requirements under 10 CFR Part 35 or the equivalent Agreement State provisions for an application from a medical facility, educational institution, or Federal facility to produce Positron Emission Tomography (PET) radioactive drugs for noncommercial transfer to licensees in its consortium authorized for medical use.</p> <p>Arizona needs to make the above change to meet the Compatibility Category B designation assigned to 10 CFR 30.32.</p> |
| 2 | R12-1-102 | 35.2 | 2005-2 | B | <p>Definitions: Preceptor</p> <p>Arizona omits a definition of Preceptor from their regulations.</p> <p>Arizona needs to make the above change to meet the Compatibility Category B designation assigned to 10 CFR 35.2 Definition: Preceptor.</p> |
| 3 | R12-1-102 | 35.2 | 2006-1 | B | <p>Definitions: Authorized user</p> <p>Arizona needs to replace the reference to "R12-1-749" with a reference to "R12-1-744" in their definition of Authorized User in R12-1-102.</p> <p>Arizona needs to make the above change to meet the Compatibility Category B designation assigned to 10 CFR 35.2 Definition: Authorized user.</p> |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|-----------|-------------|----------------------------|----------|--|
| 4 | R12-1-710 | 35.50 | 2005-2 2006-1 2009-1 | B | <p>Training for Radiation Safety Officer</p> <p>Arizona needs to add wording describing the specialty requirements of all candidates for certification. Arizona needs to include the equivalent statements the following after R12-1-710 (A) (1):</p> <p>“To have its certification process recognized, a specialty board shall require all candidates for certification to:</p> <p>(1)(i) Hold a bachelor’s or graduate degree from an accredited college or university in physical science or engineering or biological science with a minimum of 20 college credits in physical science;</p> <p>(ii) Have 5 or more years of professional experience in health physics (graduate training may be substituted for no more than 2 years of the required experience) including at least 3 years in applied health physics; and</p> <p>(iii) Pass an examination administered by diplomates of the specialty board, which evaluates knowledge and competence in radiation physics and instrumentation, radiation protection, mathematics pertaining to the use and measurement of radioactivity, radiation biology, and radiation dosimetry; or</p> <p>(2)(i) Hold a master’s or doctor’s degree in physics, medical physics, other physical science, engineering, or applied mathematics from an accredited college or university;</p> <p>(ii) Have 2 years of full-time practical training and/or supervised experience in medical physics-</p> <p>(A) Under the supervision of a medical physicist who is certified in medical physics by a specialty board</p> |

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|---------------|-------------------------|-------------|----------------------------|----------|--|
| | | | | | <p>recognized by the Commission or an Agreement State; or (B) In clinical nuclear medicine facilities providing diagnostic and/or therapeutic services under the direction of physicians who meet the requirements for authorized users in 35.290, 35.390, or, before October 24, 2005, 35.920, or 35.930; and (iii) Pass an examination, administered by diplomates of the specialty board, that assesses knowledge and competence in clinical diagnostic radiological or nuclear medicine physics and in radiation safety; or”</p> <p>Arizona needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.50.</p> |
| 5 | R12-1-711 | 35.51 | 2005-2 | B | <p>Training for an authorized medical physicist</p> <p>In R12-1-711(A)(1), Arizona needs to insert “and (A)(3)(b)” after “(A)(2).”</p> <p>In R12-1-711(A)(3)(b), Arizona has incorrect reference and needs to replace “paragraphs (c) and (a)(1) and (2), or (b)(1) and (c)” with “subsection (A)(1) and (A)(3)(c), or (A)(2) and (A)(3)(c).”</p> <p>Arizona needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.51.</p> |
| 6 | Exhibit A: Group 100 | 35.100 | 2005-2 2006-1 2007-3 | H&S | <p>Use of unsealed byproduct material for uptake, dilution, and excretion studies for which a written directive is not required.</p> <p>Arizona needs to include the reference to the equivalent of 10 CFR</p> |

| STATE SECTION | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|-------------|---------|--------------------------------------|---|
| | | | | <p>35.290(c)(1)(ii)(G) in Exhibit A: Group 100 after the reference to R12-1-723 such that it states, “a physician who is an authorized user and who meets the requirements specified in R12-1-721 or R12-1-723 and R12-1-721(A)(3)(b)(vii).”</p> <p>Arizona needs to make the above changes to meet the Compatibility Category H&S designation assigned to 10 CFR 35.100.</p> |
| 7 | R12-1-719 | 35.190 | 2005-2 2006-1 2007-1 2009-1 | <p>B</p> <p>Training for uptake, dilution, and excretion studies.</p> <p>Arizona needs to make the following changes:</p> <ul style="list-style-type: none"> a. Arizona needs to replace the phrase “under this chapter” with the phrase “under R12-1-721, R12-1-723, NRC...” after the phrase “Is an authorized user” in R12-1-719(A)(2). b. In R12-1-719(A)(3)(b), insert “NRC,” before “or equivalent Agreement State requirements.” c. Arizona needs to replace the phrase “as an authorized user for Exhibit A group 100 nuclides,” with the phrase “who meets the requirements in R12-1-719, R12-1-721, or R12-1-723,” after the phrase “Has obtained written attestation, signed by a preceptor authorized user,” in R12-1-721(A)(3)(c). d. In R12-1-719(A)(3)(c), insert “NRC,” before “or equivalent Agreement State requirements.” <p>Arizona needs to make the above changes to meet the Compatibility Category B designation assigned to 10 CFR 35.190.</p> |

| STATE SECTION | | NRC SECTION | RATS ID | CATEGORY | SUBJECT and COMMENTS |
|---------------|-------------------------|-------------|--------------------------------------|----------|--|
| 8 | Exhibit A: Group 200 | 35.200 | 2005-2 2006-1 2007-3 | H&S | <p>Use of unsealed byproduct material for imaging and localization studies for which a written directive is not required.</p> <p>Arizona needs to include the reference to the equivalent of 10 CFR 35.290(c)(1)(ii)(G) in Exhibit A: Group 200 after the reference to R12-1-723 such that it states, “a physician who is an authorized user and who meets the requirements specified in R12-1-721 or R12-1-723 and R12-1-721(A)(3)(b)(vii).”</p> <p>Arizona needs to make the above changes to meet the Compatibility Category H&S designation assigned to 10 CFR 35.200.</p> |
| 9 | R12-1-721 | 35.290 | 2005-2 2006-1 2007-1 2009-1 | B | <p>Training for imaging and localization studies.</p> <p>Arizona needs to make the following changes:</p> <ol style="list-style-type: none"> a. Arizona omits a reference in R12-1-721(A)(2). The sentence should read “Is an authorized user under this chapter and R12-1-723, NRC or equivalent Agreement State requirements; or.” b. Arizona omits a reference in R12-1-721(A)(3)(b). The sentence should read “Work experience, under the supervision of an authorized user who meets the requirements in the Arizona equivalent reference to 10 CFR 35.57, R12-1-721, or R12-1-723 and R12-1-721(A)(3)(b)(vii) , NRC or equivalent Agreement State requirements, involving:” c. In R12-1-721(A)(3)(c), insert “NRC,” before “or equivalent Agreement State requirements.” |

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| | | | | | Arizona needs to make the above changes to meet the compatibility Category B designation assigned to 10 CFR 35.290. |
| 10 | R12-1-723 | 35.390 | 2005-2 2006-1 2009-1 | B | <p>Training for use of unsealed byproduct material for which a written directive is required.</p> <p>Arizona needs to make the following changes:</p> <ul style="list-style-type: none"> a. Arizona needs to change the reference to subsection 3 in R12-1-723(A)(1) so that the sentence states, "Is certified by a medical specialty board whose certification process has been recognized by the Commission or an Agreement State and who meets the requirements in R12-1-723(A)(2)(b)(vii) and R12-1-723(A)(2)(c) of this section." b. In R12-1-723(A)(2)(b), insert "NRC," before "or equivalent Agreement State requirements." c. In R12-1-723(A)(2)(c), insert "NRC," before "or equivalent Agreement State requirements." <p>Arizona needs to make the above changes to meet the compatibility Category B designation assigned to 10 CFR 35.390.</p> |
| 11 | R12-1-727 | 35.490 | 2005-2 2006-1 2009-1 | B | <p>Training for use of manual brachytherapy sources.</p> <p>Arizona needs to make the following changes:</p> <ul style="list-style-type: none"> a. Arizona needs to change the reference to subsection 3 in R12-1-727(A)(1) so that the sentence states, "Is certified by a medical specialty board whose certification process has been recognized by the Commission or an Agreement |

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|---------------|-----------|-------------|----------------------------|----------|--|
| | | | | | <p>State and who meets the requirements in R12-1-727(A)(2)(d) of this section.”</p> <p>b. In R12-1-727(A)(2)(d), insert “NRC,” before “or equivalent Agreement State requirements.”</p> <p>c. Arizona needs to replace the phrase “by this article” to the phrase “under Exhibit A of this article” at the end of R12-1-727(A)(2)(d) so that the phrase states, “that the individual has satisfactorily completed the requirements in subsection 1 or 2 of this section and has achieved a level of competency sufficient to function independently as an authorized user of manual brachytherapy sources for the medical uses authorized under Exhibit A of this article.”</p> <p>Arizona needs to make the above changes to meet the compatibility Category B designation assigned to 10 CFR 35.490.</p> |
| 12 | R12-1-744 | 35.690 | 2005-2 2006-1 2009-1 | B | <p>Training for use of remote afterloader units, teletherapy units, and gamma stereotactic radiosurgery units.</p> <p>Arizona needs to change the reference to subsection 3 to in R12-1-744(A)(1) so that the sentence states, “Is certified by a medical specialty board whose certification process has been recognized by the Commission or an Agreement State and who meets the requirements in R12-1-744(A)(2)(d) and (e) of this section.”</p> <p>Arizona needs to make the above change to meet the compatibility Category B designation assigned to 10 CFR 35.690.</p> |

STATE REGULATION STATUS

State: Arizona

Tracking Ticket Number: 13-21

[6 amendment(s) reviewed is identified by a *
at the beginning of the equivalent NRC requirement.]

Date: August 14, 2013

| RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Package | Outgoing Package | Notes |
|---------|--|-----------------------------|----------------------|--|--|
| 1991-1 | Safety Requirements for Radiographic Equipment Part 34 55 FR 843 (Superceded by 1997-5) | 01/10/1994 | Final ML042370896 | No Comments 11/10/2004 ML043200721 | Arizona has adopted final regulations equivalent to RATS ID 1997-5. |
| 1991-2 | ASNT Certification of Radiographers Part 34 56 FR 11504 (Superceded by 1997-5) | none | Final ML042370896 | No Comments 11/10/2004 ML043200721 | Arizona 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 09/22/1997 | |
| 1991-4 | Notification of Incidents Parts 20, 30, 31, 34, 39, 40, 70 56 FR 64980 | 10/15/1994 | Final ML042370896 | No Comments 11/10/2004 ML043200721 | |
| 1992-1 | Quality Management Program and Misadministrations Part 35 56 FR 34104 (Superceded by 2002-2) | 01/27/1995 | License Condition | No Comments 01/15/1999 | Arizona has not yet adopted equivalent regulations 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. |
| 1993-1 | Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites] Parts 30, 40 58 FR 39628 | 10/25/1996 | | | |

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|---------|---|-----------------------------|-----------------------------|--|--|
| 1993-2 | Licensing and Radiation Safety Requirements for Irradiators Part 36 58 FR 7715 | 07/01/1996 | Not Applicable ¹ | Not Applicable | Arizona 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 ¹ | Not Applicable | Arizona 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 | Arizona does not have 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 ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 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 ML092590750 | No Comments 11/12/2009 ML092870448 | |
| 1995-2 | Frequency of Medical Examinations for Use of Respiratory Protection Equipment Part 20 60 FR 7900 | 03/13/1998 | | | |
| 1995-3 | Low-Level Waste Shipment Manifest Information and Reporting Parts 20, 61 60 FR 15649; 60 FR 25983 | 03/01/1998 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| 1995-4 | Performance Requirements for Radiography Equipment Part 34 60 FR 28323 (Superseded by 1997-5) | 06/30/1998 | Final ML042370896 | No Comments 11/10/2004 ML043200721 | Arizona has adopted final regulations equivalent to RATS ID 1997-5. |

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|---------|--|-----------------------------|----------------------|--|--|
| 1995-5 | Radiation Protection Requirements: Amended Definitions and Criteria Parts 19, 20 60 FR 36038 | 08/14/1998 | Final ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 1995-6 | Clarification of Decommissioning Funding Requirements Parts 30, 40, 70 60 FR 38235 | 11/24/1998 | Final ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 1995-7 | Medical Administration of Radiation and Radioactive Materials Parts 20, 35 60 FR 48623 (Superceded by 2002-2 and 2005-2) | 10/20/1998 | Proposed | No Comments 10/5/2000 | Arizona has not yet adopted equivalent regulations to RATS IDs 2002-2 and 2005-2. |
| 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 ML042370896 | Comments 11/10/04 ML043200721 | Arizona has 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, 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, 70 61 FR 24669 | 06/17/1999 | Final ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 1997-1 | Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act Part 20 61 FR 65120 | 01/9/2000 | Final ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 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 ML042370896 | No Comments 11/10/2004 ML043200721 | |

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|---------|---|-----------------------------|----------------------|--|---|
| 1997-3 | Criteria for the Release of Individuals Administered Radioactive Material Parts 20, 35 62 FR 4120 | 05/29/2000 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| 1997-4 | Fissile Material Shipments and Exemptions Part 71 62 FR 5907 (Superseded 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, 150 62 FR 28947 | 06/27/2000 | Final ML042180385 | No Comments 11/10/2004 ML043200721 | |
| 1997-6 | Radiological Criteria for License Termination Parts 20, 30, 40, 70 62 FR 39057 | 08/20/2000 | Final ML032930364 | No Comments 11/06/2003 ML033160544 | |
| 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 ML032930364 | No Comments 11/06/2003 ML033160544 | |
| 1998-1 | Deliberate Misconduct by Unlicensed Persons Parts 30, 40, 61, 70, 71, 150 63 FR 1890; 63 FR 13773 | 02/12/2001 | Final ML042370896 | No Comments 11/10/2004 ML043200721 | |
| 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 regulations 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 regulations are not required to be adopted for purposes of Compatibility. (See STP-98-074) |

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|---------|--|-----------------------------|----------------------|--|---|
| 1998-4 | Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations Part 34 63 FR 37059 | 07/09/2001 | Final ML042370896 | No Comments 11/10/2004 ML043200721 | |
| 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 ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 1998-6 | Transfer for Disposal and Manifests: Minor Technical Conforming Amendment Part 20 63 FR 50127 | 11/20/2001 | Final ML032750051 | No Comments 11/20/2003 ML033240189 | |
| 1999-1 | Radiological Criteria for License Termination of Uranium Recovery Facilities Part 40 64 FR 17506 | 06/11/2002 | Not Required | Not Required | These regulations are not required to be adopted for purposes of Compatibility. |
| 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 regulations 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 ML032930364 | No Comments 11/06/2003 ML033160544 | |
| 2000-1 | Energy Compensation Sources for Well Logging and Other Regulatory Clarifications Part 39 65 FR 20337 | 05/17/2003 | Final ML032930364 | No Comments 11/06/2003 ML033160544 | |
| 2000-2 | New Dosimetry Technology Parts 34, 36, 39 65 FR 63750 | 01/08/2004 | Final ML042370896 | No Comments 11/1/2004 ML043200721 | |

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|---------|---|-----------------------------|----------------------------------|--|-------|
| 2001-1 | Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material Parts 30, 31, 32 65 FR 79162 | 02/16/2004 | Final ML13101A341 | No Comments 04/29/2013 ML13102A005 | |
| 2002-1 | Revision of the Skin Dose Limit Part 20 67 FR 16298 | 04/05/2005 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| 2002-2 | Medical Use of Byproduct Material Parts 20, 32, 35 67 FR 20249 | 10/24/2005 | Final ML13101A341 | Comments 04/29/2013 ML13102A005 | |
| 2003-1 | Financial Assurance for Materials Licensees Parts 30, 40, 70 68 FR 57327 | 12/03/2006 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| 2004-1 | Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments Part 71 69 FR 3697 | 10/01/2007 | Final ML13101A341 | Comments 04/29/2013 ML13102A005 | |
| 2005-1 | Security Requirements for Portable Gauges Containing Byproduct Material Part 30 70 FR 2001 | 07/11/2008 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| *2005-2 | Medical Use of Byproduct Material - Recognition of Specialty Boards Part 35 70 FR 16336; 71 FR 1926 | 04/29/2008 | Proposed ML13134A235 | Comments 08/14/2013 ML13197A023 | |
| 2005-3 | Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) 70 FR 72128 | 12/01/2005 | License Condition ML052630048 | No Comments 09/21/2005 ML052640467 | |
| *2006-1 | Minor Amendments Parts 20, 30, 32, 35, 40 and 70 71 FR 15005 | 03/27/2009 | Proposed ML13134A235 | Comments 08/14/2013 ML13197A023 | |

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|---------|--|-----------------------------|----------------------------------|--|-------|
| 2006-2 | National Source Tracking System - Serialization Requirements Part 32 with reference to Part 20 Appendix E 71 FR 65685 | 02/06/2007 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| 2006-3 | National Source Tracking System Part 20 71 FR 65685, 72 FR 59162 | 01/31/2009 | Final ML092590750 | No Comments 11/12/2009 ML092870448 | |
| *2007-1 | Medical Use of Byproduct Material - Minor Corrections and Clarifications Parts 32 and 35 72 FR 45147, 54207 | 10/29/2010 | Proposed ML13134A235 | Comments 08/14/2013 ML13197A023 | |
| 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 ML13101A341 | No Comments 04/29/2013 ML13102A005 | |
| *2007-3 | Requirements for Expanded Definition of Byproduct Material Parts 20, 30, 31, 32, 33, 35, 61, 150 72 FR 55864 | 11/30/2010 | Proposed ML13134A235 | Comments 08/14/2013 ML13197A023 | |
| 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 ML081330218 | No Comments 05/28/2008 ML081490633 | |
| *2008-1 | Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent Parts 19, 20 72 FR 68043 | 02/15/2011 | Proposed ML13134A235 | No Comments 08/14/2013 ML13197A023 | |

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| *2009-1 | Medical Use of Byproduct Material – Authorized User Clarification Part 35 74 FR 33901 | 09/28/2012 | Proposed ML13134A235 | Comments 08/14/2013 ML13197A023 | |
| 2011-1 | Decommissioning Planning Parts 20, 30, 40, 70 76 FR 35512 | 12/17/2015 | | | |
| 2011-2 | Licenses, Certifications, and Approvals for Materials Licensees Parts 30, 36, 39, 40, 70, and 150 76 FR 56951 | 11/14/2014 | | | |
| 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 ML13101A341 | No Comments 04/29/2013 ML13102A005 | |
| 2012-2 | Advance Notification to Native American Tribes of Transportation of Certain Types of Nuclear Waste Part 71 77 FR 34194 | 08/10/2015 | | | |
| 2012-3 | Technical Corrections Part 30, 34, 40 and 70 77 FR 39899 | 08/06/2015 | | | |
| 2012-4 | Requirements for Distribution of Byproduct Material Parts 30, 31, 32, 40 and 70 77 FR 43666 | 10/23/2015 | | | |
| 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 | | | |

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| 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 | | | |

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