



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

February 1, 2016

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

Dear Mr. Godwin:

The U.S. Nuclear Regulatory Commission (NRC) uses the Integrated Materials Performance Evaluation Program (IMPEP) for the evaluation of Agreement State programs. Per our previous discussion, I will be the team leader for the IMPEP review of the Arizona Agreement State Program scheduled for March 28 – April 1, 2016. The review team will include Randy Erickson, NRC Region IV; Todd Jackson, NRC Region I; and Tyler Kruse, State of Minnesota.

Enclosed is the "Integrated Materials Performance Evaluation Program Questionnaire." The questionnaire was previously provided to you electronically on, January 28, 2016. I ask that you send your responses via e-mail to [bryan.parker@nrc.gov](mailto:bryan.parker@nrc.gov) by March 11, 2016. I previously sent the questionnaire in advance of this IMPEP review scheduling letter, in order to provide time for you to allocate the staff resources necessary to complete the document by the requested date. I encourage you to use electronic documents and provide them in advance of the review to the extent possible, to allow team members to better prepare for the onsite review.

Also included with the questionnaire is the document "Materials Requested to Be Available for the On-Site Portion of an IMPEP Review." We encourage States to have the items listed prepared prior to the IMPEP team's arrival.

I request that you set up an appointment with the appropriate State Senior Managers to discuss the results of the IMPEP review of the Arizona Agreement State Program on April 1, 2016.

If you have any questions, please call me at (678) 828-7050.

Sincerely,

/RA/

Bryan A. Parker, Health Physicist  
Division of Nuclear Materials and Safety  
Materials Licensing Branch  
NRC Region III

Enclosure:  
Arizona 2016 IMPEP Questionnaire

Distribution: (SP08)  
LDimmick, MSTR  
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RErickson, RIV/RSOA  
TKruse. MN  
TJackson, RI

**ML16032A180**

|               |                             |
|---------------|-----------------------------|
| <b>OFFICE</b> | RIII/Team Leader            |
| <b>NAME</b>   | BParker<br><i>via email</i> |
| <b>DATE</b>   | 01/28/2016                  |

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**INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM**  
**QUESTIONNAIRE**

**Arizona Radiation Regulatory Agency**  
**Reporting Period: March 31, 2012 to March 27, 2016**

Note: If there has been no change in the response to a specific question since the last IMPEP questionnaire, the State or Region may copy the previous answer, if appropriate.

**A. GENERAL**

1. Please prepare a summary of the status of the State's or Region's actions taken in response to each of the open recommendations from previous IMPEP reviews.

**B. COMMON PERFORMANCE INDICATORS**

I. Technical Staffing and Training

2. Please provide the following organization charts, including names and positions:
  - (a) A chart showing positions from the Governor down to the Radiation Control Program Director;
  - (b) A chart showing positions of the radiation control program, including management; and
  - (c) Equivalent charts for sealed source and device evaluation, low-level radioactive waste and uranium recovery programs, if applicable.
3. Please provide a staffing plan, or complete a listing using the suggested format below, of the professional (technical) full-time equivalents (FTE) applied to the radioactive materials program by individual. Include the name, position, and, for Agreement States, the fraction of time spent in the following areas: administration, materials licensing & compliance, emergency response, low-level radioactive waste, uranium recovery, other. If these regulatory responsibilities are divided between offices, the table should be consolidated to include all personnel contributing to the radioactive materials program.

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<sup>1</sup>Estimated burden per response to comply with this voluntary collection request: 53 hours. Forward comments regarding burden estimate to the Records Management Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0183), Office of Management and Budget, Washington, DC 20503. If an information collection does not display a currently valid OMB control number, NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

Enclosure

If consultants were used to carry out the program's radioactive materials responsibilities, include their efforts. The table heading should be:

|    | <u>Name</u>   | <u>Position</u> | <u>Area of Effort</u> | <u>FTE%</u> |
|----|---|-----------------|-----------------------|-------------|
| 4. | Please provide a listing of all new professional personnel hired into your radioactive materials program since the last review, indicate the date of hire; the degree(s) they received, if applicable; additional training; and years of experience in health physics or other disciplines, as appropriate. |                 |                       |             |
| 5. | Please list all professional staff who have not yet met the qualification requirements for a radioactive materials license reviewer or inspector. For each, list the courses or equivalent training/experience they need and a tentative schedule for completion of these requirements.                     |                 |                       |             |
| 6. | Identify any changes to your qualification and training procedure that occurred during the review period.   |                 |                       |             |
| 7. | Please identify the technical staff that left your radioactive materials program during the review period and indicate the date they left.  |                 |                       |             |
| 8. | List any vacant positions in your radioactive materials program, the length of time each position has been vacant, and a brief summary of efforts to fill the vacancy.  |                 |                       |             |
| 9. | For Agreement States, does your program have an oversight board or committee which provides direction to the program and is composed of licensees and/or members of the public? If so, please describe the procedures used to avoid any potential conflict of interest.                                     |                 |                       |             |

II. Status of Materials Inspection Program

- 10. Please identify individual licensees or categories of licensees the State is inspecting less frequently than called for in NRC's Inspection Manual Chapter (IMC) 2800 and explain the reason for the difference. The list only needs to include the following information: license category or licensee name and license number, your inspection interval, and rationale for the difference.
- 11. Please provide the number of routine inspections of Priority 1, 2, and 3 licensees, as defined in IMC 2800 and the number of initial inspections that were completed during each year of the review period.
- 12. Please submit a table, or a computer printout, that identifies inspections of Priority 1, 2, and 3 licensees and initial inspections that were conducted overdue.

At a minimum, the list should include the following information for each inspection that was conducted overdue during the review period:

- (1) Licensee Name
- (2) License Number
- (3) Priority (IMC 2800)
- (4) Last inspection date or license issuance date, if initial inspection
- (5) Date Due

- (6) Date Performed
- (7) Amount of Time Overdue
- (8) Date inspection findings issued

- 13. Please submit a table or computer printout that identifies any Priority 1, 2, and 3 licensees-and initial inspections that are currently overdue, per IMC 2800. At a minimum, the list should include the same information for each overdue inspection provided for Question 12 plus your action plan for completing the inspection. Also include your plan for completing the overdue inspections.
- 14. Please provide the number of reciprocity licensees that were candidates for inspection per year as described in IMC 1220 and indicate the number of reciprocity inspections of candidate licensees that were completed each year during the review period.

III. Technical Quality of Inspections

- 15. What, if any, changes were made to your written inspection procedures during the reporting period?
- 16. Prepare a table showing the number and types of supervisory accompaniments made during the review period. Include:
 

| <u>Inspector</u> | <u>Supervisor</u> | <u>License Category</u> | <u>Date</u> |
|------------------|-------------------|-------------------------|-------------|
|------------------|-------------------|-------------------------|-------------|
- 17. Describe or provide an update on your instrumentation, methods of calibration, and laboratory capabilities. Are all instruments properly calibrated at the present time? Were there sufficient calibrated instruments available throughout the review period?

IV. Technical Quality of Licensing Actions

- 18. How many specific radioactive material licenses does your program regulate at this time?
- 19. Please identify any major, unusual, or complex licenses which were issued, received a major amendment, were terminated, decommissioned, submitted a bankruptcy notification or renewed in this period.
- 20. Discuss any variances in licensing policies and procedures or exemptions from the regulations granted during the review period.
- 21. What, if any, changes were made in your written licensing procedures (new procedures, updates, policy memoranda, etc.) during the reporting period?
- 22. Identify by licensee name and license number any renewal applications that have been pending for one year or more. Please indicate why these reviews have been delayed and describe your action plan to reduce the backlog.

V. Technical Quality of Incident and Allegation Activities

23. For Agreement States, please provide a list of any reportable incidents not previously submitted to NRC (See Procedure SA-300, *Reporting Material Events*, for additional guidance, OMB clearance number 3150-0178). The list should be in the following format:

| <u>Licensee Name</u> | <u>License #</u> | <u>Date of Incident/Report</u> | <u>Type of Incident</u> |
|----------------------|------------------|--------------------------------|-------------------------|
|----------------------|------------------|--------------------------------|-------------------------|

24. Identify any changes to your procedures for responding to incidents and allegations that occurred during the period of this review.

C. **NON-COMMON PERFORMANCE INDICATORS**

I. Compatibility Requirements

25. Please list all currently effective legislation that affects the radiation control program. Denote any legislation that was enacted or amended during the review period.
26. Are your regulations subject to a "Sunset" or equivalent law? If so, explain and include the next expiration date for your regulations.
27. Please review and verify that the information in the enclosed State Regulation Status (SRS) sheet is correct. For those regulations that have not been adopted by the State, explain why they were not adopted, and discuss actions being taken to adopt them. If legally binding requirements were used in lieu of regulations and they have not been reviewed by NRC for compatibility, please describe their use.
28. If you have not adopted all amendments within three years from the date of NRC rule promulgation, briefly describe your State's procedures for amending regulations in order to maintain compatibility with the NRC, showing the normal length of time anticipated to complete each step.

II. Sealed Source and Device (SS&D) Evaluation Program

29. Prepare a table listing new and amended (including transfers to inactive status) SS&D registrations of sources and devices issued during the review period. The table heading should be:

| <u>SS&amp;D<br/>Registry<br/>Number</u> | <u>Manufacturer,<br/>Distributor or<br/>Custom User</u> | <u>Product Type<br/>or Use</u> | <u>Date<br/>Issued</u> | <u>Type of<br/>Action</u> |
|---|---|--------------------------------|------------------------|---------------------------|
|---|---|--------------------------------|------------------------|---------------------------|

30. Please include information on the following questions in Section A, as they apply to the SS&D Program:

Technical Staffing and Training - Questions 2-9  
Technical Quality of Licensing Actions - Questions 18-22  
Technical Quality of Incident and Allegation Activities - Questions 23-24

III. Low-level Radioactive Waste Disposal Program

31. Please include information on the following questions in Section A, as they apply to the Low-Level Radioactive Waste Disposal Program:

Technical Staffing and Training - Questions 2-9  
Status of Materials Inspection Program - Questions 10-14  
Technical Quality of Inspections - Questions 15-17  
Technical Quality of Licensing Actions - Questions 18-22  
Technical Quality of Incident and Allegation Activities - Questions 23-24

IV. Uranium Recovery Program

32. Please include information on the following questions in Section A, as they apply to the Uranium Recovery Program:

Technical Staffing and Training - Questions 2-9  
Status of Materials Inspection Program - Questions 10-14  
Technical Quality of Inspections - Questions 15-17  
Technical Quality of Licensing Actions - Questions 18-22  
Technical Quality of Incident and Allegation Activities - Questions 23-24

MATERIALS REQUESTED TO BE AVAILABLE FOR  
THE ON-SITE PORTION OF AN IMPEP REVIEW

Please have the following information available for use by the IMPEP review team when they arrive at your office:

- List of open license cases, with date of original request, and dates of follow-up actions.
- List of licenses terminated during review period.
- Copy of current log or other document used to track licensing actions.
- List of all licensing actions completed during the review period (sorted by license reviewer, if possible).
- Copy of current log or other document used to track inspections.
- List of all inspections completed during the review period (sorted by inspector, if possible).
- List of inspection frequencies by license type.
- List of all allegations occurring during the review period. Show whether the allegation is open or closed and whether it was referred by NRC.
- List of all licenses that your agency has imposed additional security requirements upon.

ALSO, PLEASE HAVE THE FOLLOWING DOCUMENTS AVAILABLE:

- |   |  |
|---|--|
| • All State regulations   | • Documented training plan, if applicable  |
| • Statutes affecting the regulatory authority of the State program  | • Records of results of supervisory accompaniments of inspectors   |
| • Standard license conditions                                       | • Emergency plan and communications list   |
| • Technical procedures for licensing, model licenses, review guides | • Procedures for investigating allegations   |
| • SS&D review procedures, guides, and standards                     | • Procedures for investigating incidents   |
| • Instrument calibration records                                    | • Enforcement procedures, including procedures for escalated enforcement, severity levels, civil penalties (as applicable) |
| • Inspection procedures and guides                                  | • Job descriptions   |
| • Inspection report forms   |  |



**STATE REGULATION STATUS**

State: Arizona

Tracking Ticket Number:

Date:

[ # 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<br>Part 34<br>55 FR 843<br>(Superceded by 1997-5)   | 01/10/1994                  | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 | Arizona has adopted final regulations equivalent to RATS ID 1997-5.                    |
| 1991-2  | ASNT Certification of Radiographers<br>Part 34<br>56 FR 11504<br>(Superceded by 1997-5)  | none                        | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 | Arizona has adopted final regulations equivalent to RATS ID 1997-5.                    |
| 1991-3  | Standards for Protection Against Radiation<br>Part 20<br>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<br>09/22/1997                |  |
| 1991-4  | Notification of Incidents<br>Parts 20, 30, 31, 34, 39, 40, 70<br>56 FR 64980   | 10/15/1994                  | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 |  |
| 1992-1  | Quality Management Program and Misadministrations<br>Part 35<br>56 FR 34104<br>(Superceded by 2002-2)  | 01/27/1995                  | License Condition    | No Comments<br>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<br>Parts 30, 35<br>57 FR 45566                          | none                        | Not required         | Not required                             | These regulation changes are not required to be adopted for purposes of Compatibility. |

| RATS ID | NRC Chronology Identification   | Date Due for State Adoption | Incoming Letter             | Outgoing Package                         | Notes  |
|---------|---|-----------------------------|-----------------------------|--|--|
| 1993-1  | Decommissioning Recordkeeping and License Termination: Documentation Additions [Restricted areas and spill sites]<br>Parts 30, 40<br>58 FR 39628            | 10/25/1996                  |                             |  |  |
| 1993-2  | Licensing and Radiation Safety Requirements for Irradiators<br>Part 36<br>58 FR 7715  | 07/01/1996                  | Not Applicable <sup>1</sup> | 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<br>Part 61<br>58 FR 33886   | 07/22/1996                  | Not Applicable <sup>1</sup> | 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<br>Parts 30, 40, 70<br>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<br>Part 40<br>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<br>Parts 30, 40, 70<br>59 FR 36026  | 08/15/1997                  | Final<br>ML032750051        | No Comments<br>11/20/2003<br>ML033240189 |  |
| 1995-1  | Preparation, Transfer for Commercial Distribution, and Use of Byproduct Material for Medical Use<br>Parts 30, 32, 35<br>59 FR 61767; 59 FR 65243; 60 FR 322 | 01/01/1998                  | Final<br>ML092590750        | No Comments<br>11/12/2009<br>ML092870448 |  |

| RATS ID | NRC Chronology Identification  | Date Due for State Adoption | Incoming Letter      | Outgoing Package                         | Notes   |
|---------|--|-----------------------------|----------------------|--|---|
| 1995-2  | Frequency of Medical Examinations for Use of Respiratory Protection Equipment<br>Part 20<br>60 FR 7900                                   | 03/13/1998                  |                      |  |   |
| 1995-3  | Low-Level Waste Shipment Manifest Information and Reporting<br>Parts 20, 61<br>60 FR 15649; 60 FR 25983                                  | 03/01/1998                  | Final<br>ML092590750 | No Comments<br>11/12/2009<br>ML092870448 |   |
| 1995-4  | Performance Requirements for Radiography Equipment<br>Part 34<br>60 FR 28323<br><b>(Superceded by 1997-5)</b>                            | 06/30/1998                  | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 | Arizona has adopted final regulations equivalent to RATS ID 1997-5.               |
| 1995-5  | Radiation Protection Requirements: Amended Definitions and Criteria<br>Parts 19, 20<br>60 FR 36038                                       | 08/14/1998                  | Final<br>ML032750051 | No Comments<br>11/20/2003<br>ML033240189 |   |
| 1995-6  | Clarification of Decommissioning Funding Requirements<br>Parts 30, 40, 70<br>60 FR 38235   | 11/24/1998                  | Final<br>ML032750051 | No Comments<br>11/20/2003<br>ML033240189 |   |
| 1995-7  | Medical Administration of Radiation and Radioactive Materials<br>Parts 20, 35<br>60 FR 48623<br><b>(Superceded by 2002-2 and 2005-2)</b> | 10/20/1998                  | Proposed             | No Comments<br>10/5/2000                 | Arizona has not yet adopted equivalent regulations to RATS IDs 2002-2 and 2005-2. |

| RATS ID | NRC Chronology Identification   | Date Due for State Adoption | Incoming Letter      | Outgoing Package                         | Notes   |
|---------|---|-----------------------------|----------------------|--|---|
| 1996-1  | Compatibility with the International Atomic Energy Agency<br>Part 71<br>60 FR 50248; 61 FR 28724<br><b>(Superceded by 2004-1)</b>         | 04/01/1999                  | Final<br>ML042370896 | Comments<br>11/10/04<br>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<br>Parts 30, 40, 70<br>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<br>Parts 20, 30, 40, 61, 70<br>61 FR 24669                    | 06/17/1999                  | Final<br>ML032750051 | No Comments<br>11/20/2003<br>ML033240189 |   |
| 1997-1  | Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act<br>Part 20<br>61 FR 65120                     | 01/9/2000                   | Final<br>ML032750051 | No Comments<br>11/20/2003<br>ML033240189 |   |
| 1997-2  | Recognition of Agreement State Licenses in Areas Under Exclusive Federal Jurisdiction Within an Agreement State<br>Part 150<br>62 FR 1662 | 02/27/2000                  | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 |   |
| 1997-3  | Criteria for the Release of Individuals Administered Radioactive Material<br>Parts 20, 35<br>62 FR 4120                                   | 05/29/2000                  | Final<br>ML092590750 | No Comments<br>11/12/2009<br>ML092870448 |   |
| 1997-4  | Fissile Material Shipments and Exemptions<br>Part 71<br>62 FR 5907<br><b>(Superceded by 2004-1)</b>                                       | 02/10/2000                  | Not required         | Not required                             | These regulation changes are not required to be adopted for purposes of Compatibility. (See STP-97-078) |

| RATS ID | NRC Chronology Identification   | Date Due for State Adoption | Incoming Letter      | Outgoing Package                         | Notes  |
|---------|---|-----------------------------|----------------------|--|--|
| 1997-5  | Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiography Operations<br>Parts 30, 34, 71, 150<br>62 FR 28947 | 06/27/2000                  | Final<br>ML042180385 | No Comments<br>11/10/2004<br>ML043200721 |  |
| 1997-6  | Radiological Criteria for License Termination<br>Parts 20, 30, 40, 70<br>62 FR 39057  | 08/20/2000                  | Final<br>ML032930364 | No Comments<br>11/06/2003<br>ML033160544 |  |
| 1997-7  | Exempt Distribution of a Radioactive Drug Containing One Micro curie of Carbon-14 Urea<br>Part 30<br>62 FR 63634                                    | 01/02/2001                  | Final<br>ML032930364 | No Comments<br>11/06/2003<br>ML033160544 |  |
| 1998-1  | Deliberate Misconduct by Unlicensed Persons<br>Parts 30, 40, 61, 70, 71, 150<br>63 FR 1890; 63 FR 13773   | 02/12/2001                  | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 |  |
| 1998-2  | Self-Guarantee of Decommissioning Funding by Nonprofit and Non-Bond-Issuing Licensees<br>Parts 30, 40, 70<br>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<br>Part 35<br>63 FR 31604<br><b>(Superceded by 2002-2)</b>  | 07/10/2001                  | Not required         | Not required                             | These regulations are not required to be adopted for purposes of Compatibility. (See STP-98-074) |

| RATS ID | NRC Chronology Identification  | Date Due for State Adoption | Incoming Letter      | Outgoing Package                         | Notes   |
|---------|--|-----------------------------|----------------------|--|---|
| 1998-4  | Licenses for Industrial Radiography and Radiation Safety Requirements for Industrial Radiographic Operations<br>Part 34<br>63 FR 37059                 | 07/09/2001                  | Final<br>ML042370896 | No Comments<br>11/10/2004<br>ML043200721 |   |
| 1998-5  | Minor Corrections, Clarifying Changes, and a Minor Policy Change<br>Parts 20, 32, 35, 36, 39<br>63 FR 39477; 63 FR 45393                               | 10/26/2001                  | Final<br>ML032750051 | No Comments<br>11/20/2003<br>ML033240189 |   |
| 1998-6  | Transfer for Disposal and Manifests: Minor Technical Conforming Amendment<br>Part 20<br>63 FR 50127  | 11/20/2001                  | Final<br>ML032750051 | No Comments<br>11/20/2003<br>ML033240189 |   |
| 1999-1  | Radiological Criteria for License Termination of Uranium Recovery Facilities<br>Part 40<br>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<br>Part 31<br>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<br>Part 20<br>64 FR 54543; 64 FR 55524   | 02/02/2003                  | Final<br>ML032930364 | No Comments<br>11/06/2003<br>ML033160544 |   |
| 2000-1  | Energy Compensation Sources for Well Logging and Other Regulatory Clarifications<br>Part 39<br>65 FR 20337   | 05/17/2003                  | Final<br>ML032930364 | No Comments<br>11/06/2003<br>ML033160544 |   |

| RATS ID | NRC Chronology Identification   | Date Due for State Adoption | Incoming Letter      | Outgoing Package                         | Notes |
|---------|---|-----------------------------|----------------------|--|-------|
| 2000-2  | New Dosimetry Technology<br>Parts 34, 36, 39<br>65 FR 63750   | 01/08/2004                  | Final<br>ML042370896 | No Comments<br>11/1/2004<br>ML043200721  |       |
| 2001-1  | Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material<br>Parts 30, 31, 32<br>65 FR 79162 | 02/16/2004                  | Final<br>ML13101A341 | No Comments<br>04/29/2013<br>ML13102A005 |       |
| 2002-1  | Revision of the Skin Dose Limit<br>Part 20<br>67 FR 16298   | 04/05/2005                  | Final<br>ML092590750 | No Comments<br>11/12/2009<br>ML092870448 |       |
| 2002-2  | Medical Use of Byproduct Material<br>Parts 20, 32, 35<br>67 FR 20249  | 10/24/2005                  | Final<br>ML13101A341 | Comments<br>04/29/2013<br>ML13102A005    |       |
| 2003-1  | Financial Assurance for Materials Licensees<br>Parts 30, 40, 70<br>68 FR 57327  | 12/03/2006                  | Final<br>ML092590750 | No Comments<br>11/12/2009<br>ML092870448 |       |
| 2004-1  | Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments<br>Part 71<br>69 FR 3697     | 10/01/2007                  | Final<br>ML13101A341 | Comments<br>04/29/2013<br>ML13102A005    |       |
| 2005-1  | Security Requirements for Portable Gauges Containing Byproduct Material<br>Part 30<br>70 FR 2001                                | 07/11/2008                  | Final<br>ML092590750 | No Comments<br>11/12/2009<br>ML092870448 |       |
| 2005-2  | Medical Use of Byproduct Material - Recognition of Specialty Boards<br>Part 35<br>70 FR 16336; 71 FR 1926                       | 04/29/2008                  | Final<br>ML14232A635 | Comments<br>10/17/2014<br>ML 14232A317   |       |

| RATS ID | NRC Chronology Identification   | Date Due for State Adoption | Incoming Letter                  | Outgoing Package                          | Notes |
|---------|---|-----------------------------|----------------------------------|---|-------|
| 2005-3  | Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090)<br>70 FR 72128  | 12/01/2005                  | License Condition<br>ML052630048 | No Comments<br>09/21/2005<br>ML052640467  |       |
| 2006-1  | Minor Amendments<br>Parts 20, 30, 32, 35, 40 and 70<br>71 FR 15005  | 03/27/2009                  | Final<br>ML14232A635             | Comments<br>10/17/2014<br>ML 14232A317    |       |
| 2006-2  | National Source Tracking System - Serialization Requirements<br>Part 32 with reference to Part 20 Appendix E<br>71 FR 65685                                       | 02/06/2007                  | Final<br>ML092590750             | No Comments<br>11/12/2009<br>ML092870448  |       |
| 2006-3  | National Source Tracking System<br>Part 20<br>71 FR 65685, 72 FR 59162  | 01/31/2009                  | Final<br>ML092590750             | No Comments<br>11/12/2009<br>ML092870448  |       |
| 2007-1  | Medical Use of Byproduct Material - Minor Corrections and Clarifications<br>Parts 32 and 35<br>72 FR 45147, 54207   | 10/29/2010                  | Final<br>ML14232A635             | Comments<br>10/17/2014<br>ML 14232A317    |       |
| 2007-2  | Exemptions From Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting Requirements<br>Parts 30, 31, 32, 150<br>72 FR 58473 | 12/17/2010                  | Final<br>ML13101A341             | No Comments<br>04/29/2013<br>ML13102A005  |       |
| 2007-3  | Requirements for Expanded Definition of Byproduct Material<br>Parts 20, 30, 31, 32, 33, 35, 61, 150<br>72 FR 55864  | 11/30/2010                  | Final<br>ML14232A635             | No Comments<br>10/17/2014<br>ML 14232A317 |       |



| RATS ID | NRC Chronology Identification  | Date Due for State Adoption | Incoming Letter                  | Outgoing Package                          | Notes |
|---------|--|-----------------------------|----------------------------------|---|-------|
| 2007-4  | Order Imposing Fingerprinting Requirements and Criminal History Records Check Requirements for Unescorted Access to Certain Radioactive Material<br>NRC Order EA-07-305<br>72 FR 70901 | 06/05/2008                  | License Condition<br>ML081330218 | No Comments<br>05/28/2008<br>ML081490633  |       |
| 2008-1  | Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent<br>Parts 19, 20<br>72 FR 68043   | 02/15/2011                  | Final<br>ML14232A635             | No Comments<br>10/17/2014<br>ML 14232A317 |       |
| 2009-1  | Medical Use of Byproduct Material – Authorized User Clarification<br>Part 35<br>74 FR 33901  | 09/28/2012                  | Final<br>ML14232A635             | Comments<br>10/17/2014<br>ML 14232A317    |       |
| 2011-1  | Decommissioning Planning<br>Parts 20, 30, 40, 70<br>76 FR 35512  | 12/17/2015                  |                                  |   |       |
| 2011-2  | Licenses, Certifications, and Approvals for Materials Licensees<br>Parts 30, 36, 39, 40, 70, and 150<br>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)<br>77 FR 3640  | 01/25/2015                  | Final<br>ML13101A341             | No Comments<br>04/29/2013<br>ML13102A005  |       |
| 2012-2  | Advance Notification to Native American Tribes of Transportation of Certain Types of Nuclear Waste<br>Part 71<br>77 FR 34194   | 08/10/2015                  |                                  |   |       |

| Identification   | Date Due for State Adoption | Incoming Letter | Outgoing Package | Notes |
|--|-----------------------------|-----------------|------------------|-------|
| ons<br>d 71  | 08/06/2015                  |                 |                  |       |
| Distribution of Byproduct Material<br>0 and 70   | 10/23/2015                  |                 |                  |       |
| n of Byproduct Material, 10 CFR<br>3, 34, 35, 36, 37, 39, and 71                           | 03/19/2016                  |                 |                  |       |
| ce Material to Exempt Persons<br>ensees and Revision of<br>nd Exemptions, 10 CFR Parts 30, | 08/27/2016                  |                 |                  |       |
| g of Special Nuclear Material –<br>d Clarifying Amendments<br>R 143                        | 01/26/2018                  |                 |                  |       |
| ation - Modified Handling<br>ange for Materials Facilities<br>od 150                       | 01/28/2018                  |                 |                  |       |

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