

INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM

QUESTIONNAIRE

NEBRASKA

Reporting Period: September 22, 2006 to October 3, 2010

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 the comments and recommendations following the last review.

There were no comments or recommendations offered in the last review.

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 Governor down to Radiation Control Program Director; **See ADAMS ML102930141**
- (b) A chart showing positions of current radiation control program including management; and **See ADAMS ML102930141**
- (c) Equivalent charts for sealed source and device evaluation, low-level radioactive waste and uranium recovery programs, if applicable.

Not 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

¹ 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.

are divided between offices, the table should be consolidated to include all personnel contributing to the radioactive materials program. Include all vacancies and identify all senior personnel assigned to monitor work of junior personnel. 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> |
|---------------|-----------------|-----------------------|-------------|
| Julia Schmitt | Manager | Administration | 40% |
| | | Licensing/Compliance | 20% |
| | | Emergency Response | 10% |
| Sue Semerena | Administrator | Administration | 10% |
| Jim DeFrain | HP | Licensing/Compliance | 95% |
| | | Emergency Response | 5% |
| Bryan Miller | HP | Licensing/Compliance | 95% |
| | | Emergency Response | 5% |
| Howard Shuman | HP | Licensing/Compliance | 95% |
| | | Emergency Response | 5% |

- Please provide a listing of all new professional personnel hired since the last review, indicate the degree(s) they received, if applicable, and additional training and years of experience in health physics, or other disciplines, as appropriate.

No new professional personnel have been hired since the last IMPEP.

- Please list all professional staff who have not yet met the qualification requirements for a license reviewer or materials inspector. For each, list the courses or equivalent training/experience they need and a tentative schedule for completion of these requirements.

All professional staff meet the qualification requirements for license reviewer and materials inspector.

- Identify any changes to your qualification and training procedure that occurred during the review period.

Since no new staff members have been hired, changes have not been made to the training and qualifications program.

- Please identify the technical staff that left your program during the review period.

No technical staff have left the program.

- List any vacant positions in your program, the length of time each position has been vacant, and a brief summary of efforts to fill the vacancy.

There are no vacant positions in the Radioactive Materials Program.

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.

The Nebraska Board of Health reviews proposed rules and regulations for the use of radioactive material as part of their duties. Members are required to declare in writing any matter requiring action or decision that may cause a potential conflict. A member abstains from activities in which the potential conflict exists.

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: licensee name, license number, your inspection interval, and rationale for the difference.

All inspections are conducted at least frequently as called for in IMC 2800.

11. Please provide the number of routine inspections of Priority 1, 2, and 3 licensees, as defined in IMC 2800; the number of initial inspections; and the number of increased controls inspections that were completed during the review period.

This information is based on Nebraska's identified inspection priorities:

Priority 1 - 13 inspections completed

Priority 2 - 41 inspections completed

Priority 3 - 53 inspections completed

Initial Inspections Completed - 27 total (15 of these are Priority 1,2,3 and included in the numbers above)

Increased Controls Inspections – 24 inspections completed

12. Please submit a table, or a computer printout, that identifies inspections of Priority 1, 2, and 3 licensees, increased controls, and initial inspections that were conducted overdue per the applicable guidance. Priority 1, 2, and 3 licensees and initial inspections must be conducted at least as frequently as the inspection intervals established in IMC 2800. Increased controls inspections should be conducted at the intervals established in the Staff Requirements Memorandum for COMSECY-05-0028.

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

| Licensee Name | Licensee Number | Priority | Last Inspection | Date Due | Date Performed | Time Overdue | Inspection Findings issued |
|--------------------------|-----------------------------------|----------|------------------|------------------|------------------|--------------|----------------------------|
| Team Industrial Services | 99-64-01 (previously 11-04-01) | 1 | October 22, 2008 | November 1, 2009 | February 4, 2010 | 4 days | March 11, 2010 |

13. Please submit a table or computer printout that identifies any Priority 1, 2, and 3 licensees, increased controls, and initial inspections that are currently overdue, per the applicable guidance. 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.

There are no overdue inspections.

14. Please provide the number of reciprocity licensees that were candidates for inspection per year as described in IMC 1220 and the number of candidate licensee reciprocity inspections that were completed each year during the review period.

| Calendar Year | Candidates for Reciprocity Inspections Priority 1,2,3 | Reciprocity Inspections Completed Priority 1, 2, 3 |
|-------------------------|--|---|
| 2006 | 17 | 4 |
| 2007 | 19 | 6 |
| 2008 | 20 | 4 |
| 2009 | 14 | 4 |
| Jan 1, 2010-Sep 2, 2010 | 14 | 2 |

III. Technical Quality of Inspections

15. What, if any, changes were made to your written inspection procedures during the reporting period?

The inspection procedures are updated to include current reference documents.

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> |
|------------------|-------------------|-------------------------|-------------|
| Jim DeFrain | Julia Schmitt | Industrial Rad. | 3/27/2007 |
| Howard Shuman | Julia Schmitt | Educational Broad | 2/20/2008 |
| Bryan Miller | Julia Schmitt | Educational Broad | 2/20/2008 |

| | | | |
|---------------|---------------|-------------------|------------|
| Jim DeFrain | Julia Schmitt | Educational Broad | 2/20/2008 |
| Howard Shuman | Julia Schmitt | Industrial Rad. | 3/14/2008 |
| Jim DeFrain | Howard Shuman | Edu/Medical Broad | 8/25/2008 |
| Bryan Miller | Howard Shuman | Educational Broad | 9/28/2008 |
| Howard Shuman | Jim DeFrain | Edu/Medical Broad | 11/12/2009 |
| Bryan Miller | Jim DeFrain | Edu/Medical Broad | 11/12/2009 |
| Jim DeFrain | Julia Schmitt | Educational Broad | 7/15/2010 |
| Howard Shuman | Julia Schmitt | Educational Broad | 7/15/2010 |
| Bryan Miller | Julia Schmitt | Educational Broad | 7/15/2010 |

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?

The following instrumentation is available to the program:

Ludlum Model 12S MicroR (1)
 Ludlum 2241-3 with 44-9, 44-10, 44-3 Probes and Sample Holder 180-2 (1)
 FieldSpec Multi-Channel Analyzer (1)
 Thermo Eberline FH 40 G-L (4) with FHZ 732GM (4), FHZ 380AB (2), FHZ 512 Probes (2)
 Canberra Inspector 1000 (2)
 Eberline E-520 with HP260 Probe (2)
 Eberline RO-2 (2)
 Thermo Eberline RO-20 (2)
 Ludlum Model 5 Geiger Counter (1)
 Ludlum Model 14C with Probe 44-6 (1)
 Ludlum 9 (1)
 Victoreen 451 (1)
 Eberline PAC-4S with AC-3-7 Detector (1)
 Ludlum Model 3 with 44-38 and 44-3 probe

All instruments are properly calibrated. Calibration has been provided by Iowa Homeland Security and Emergency Management Division. In addition, the Ludlum Model 3, with energy compensated G-M detector (44-38) and thin crystal NaI detector (44-3) is occasionally borrowed from the x-ray program. Confirmatory wipe tests and gamma isotopic measurements can be analyzed by a contract lab. Instruments are available in sufficient number to meet the Program's needs.

IV. Technical Quality of Licensing Actions

18. How many specific radioactive material licenses does the Program regulate at this time?

Currently there are 147 specific radioactive material licenses.

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.

See below

20. Identify any licensees or groups of licensees that were issued increased controls during the review period. Those licensees that were initially identified during the initial implementation of increased controls need not be listed.

| | |
|------------------|--|
| 59-08-01 | Olsson Associates |
| 99-64-01 | Team Industrial Services, Inc. |
| 01-120-01 | Quality Inspection Services, Inc. |

21. Discuss any variances in licensing policies and procedures or exemptions from the regulations granted during the review period.

Exemptions are addressed by “in lieu of” conditions on the license. Several licensees have an “in lieu of” condition related to the high dose-rate remote afterloader survey and source inventory requirements. One licensee has an “in lieu of” condition related to training of new employees. One licensee has an “in lieu of” condition related to electrical interlocks. One licensee has an “in lieu of” condition related to transport container inspection. One licensee has an “in lieu of” condition related to calibration requirements and checks of dose calibrators. One licensee has an “in lieu of” condition related to release of patients treated with I-125 eye plaques.

Also, certain medical licensees were granted an exemption from 180 NAC 3 and 180 NAC 7 “Requirements on Procurement and Transfer of Technetium-99m, and Calibration of Instrumentation using Technetium-99m” due to the radionuclide shortage.

22. What, if any, changes were made in your written licensing procedures (new procedures, updates, policy memoranda, etc.) during the reporting period?

Procedures are updated to current references and to incorporate the pre-licensing checklist and pre-licensing visit.

23. 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.

No renewal applications have been pending for a year or more.

V. Technical Quality of Incident and Allegation Activities

24. 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:

All reportable events have been reported.

25. During this review period, did any incidents occur that involved equipment or source failure or approved operating procedures that were deficient? If so, how and when were other State/NRC licensees who might be affected notified? For States, was timely notification made to NRC? For Regions, was an appropriate and timely PN generated? For Agreement States, was information on the incident provided to the agency responsible for evaluation of the device for an assessment of possible generic design deficiency? Please provide details for each case.

| <u>Licensee Name</u> | <u>License #</u> | <u>Date of Event</u> | <u>Equipment Failure</u> | <u>NRC Timely Notified</u> | <u>Was info on incident provided to the agency responsible for evaluation of the device for an assessment?</u> |
|-----------------------------------|------------------|----------------------|---|----------------------------|--|
| Acuren Inspections | KS 21-B126-01 | 02/26/2010 | Camera malfunction with exposure | Yes | Yes. Information on the event was provided to the States of Kansas (licensing authority and Massachusetts (SS&D Reviewer). |
| Omaha Public Power District | 01-39-04 | 03/25/2010 | Unable to close source shutter | Yes | Yes. Information on the event was sent to the State of Illinois (SS&D Reviewer). |
| Omaha Public Power District | 01-39-04 | 03/27/2010 | Unable to close source shutter | Yes | Yes. Information on the event was sent to the State of Illinois (SS&D Reviewer). |
| Omaha Public Power District | 01-39-04 | 05/06/2010 | Unable to close source shutter | Yes | Yes. Information on the event was sent to the State of Illinois (SS&D Reviewer). |
| Omaha Public Power District | 01-39-04 | 06/30/2010 | Unable to close source shutter | Yes | Yes. Information on the event was sent to the State of Illinois (SS&D Reviewer). |
| Becton Dickinson Infusion Therapy | 04-01-01 | 07/18/2007 | Box jam on conveyor belt | Yes | Yes. MDS Nordion was contacted and information on the event was provided to NRC (SS&D reviewer). |
| Tyco Health Care Group | 07-02-01 | 09/17/2008 | Smoke detector failed smoke detector test | Yes | Yes. MDS Nordion was contacted and information |

| | | | | | |
|-----------------------------------|----------|------------|---|-----|--|
| | | | | | on the event was provided to the NRC (SS&D Reviewer). NRC is currently evaluating the event for generic significance. |
| Becton Dickinson Infusion Therapy | 04-01-01 | 03/23/2009 | Pool water make-up meter indicated increased amount of water used | Yes | Yes. Agency staff met with licensee representative and MDS Nordion engineers. Information on the event was provided to NRC (SS&D Reviewer). |
| Becton Dickinson Infusion Therapy | 04-01-01 | 11/07/2009 | Electrical short circuit which caused staff to bypass sterilizer interlocks | Yes | Yes. Agency representative met with licensee representative and MDS Nordion engineers. Information on the event was provided to NRC (SS&D Reviewer). |
| Becton Dickinson Infusion Therapy | 04-01-01 | 11/23/2009 | Box jam – source up switch plunger became stuck in the closed position | Yes | Yes. Agency representative met with licensee representative and MDS Nordion engineers. Information on the event was provided to NRC (SS&D Reviewer). |
| Becton Dickinson Infusion Therapy | 04-01-01 | 12/14/2009 | Electrical short circuit which caused staff to bypass sterilizer interlocks | Yes | Yes. Agency representative met with licensee representative and MDS Nordion engineers. Information on the event was provided to NRC (SS&D Reviewer). |
| Midwest Laboratories | GL0235 | 10/29/2009 | Leaking Ni-63 source located in Varian electron capture detector | Yes | Yes. Information on the leaking source was provided to the State of California (SS&D Reviewer). |

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

The procedures are updated to include current reference documents such as the most recent versions of SA-300 and SA-400.

C. NON-COMMON PERFORMANCE INDICATORS

I. Compatibility Requirements

27. Please list all currently effective legislation that affects the radiation control program. Denote any legislation that was enacted or amended during the review period.

Radiation Control Act 71-3501 to 71-3520 (Amended 2007 & 2008)
Shipment of High-level Radioactive Waste and Transuranic Waste 71-3523 to 71-3528 (Amended 2007)
Certified Registered Nurse Anesthetist Practice Act 38-711 (Amended 2007)
Advanced Practice Registered Nurse Practice Act 38-201-38-212 (Amended 2007)
Nebraska Emergency Management Act 81-829.37 – 81-829.75
Emergency, Governor, Civil Defense Assumption of Control of State Communication System 81-1120.25
Administrative Procedures Act 84-920 (Amended 2008 & 2009)
Low-Level Radioactive Waste Act 81-1578 (currently no activity)

28. Are your regulations subject to a "Sunset" or equivalent law? If so, explain and include the next expiration date for your regulations.

No

29. 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, please describe their use.

1992-1 was completed when RATS ID 2002-2 was approved by NRC 1-14-2010. (The entry was corrected by Kathleen Schneider on August 5, 2010).

2001-1 – NRC comments were incorporated into the July 11, 2009 final regulations but were omitted from the final review package sent to the NRC in November of 2009. The regulations were submitted to NRC on 8-10-2010 for final review.

2003-1 and 2004-1 – Previous NRC comments have been addressed in draft regulations that were submitted to NRC on 8-10-2010.

Draft regulations incorporating RATS 2007-1, 2007-2, 2007-3, 2008-1 and 2009-1 were submitted to NRC for review on 8-10-2010.

30. 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.

If statutory authority for the regulations exists, program staff drafts changes in regulations by using the Conference of Radiation Control Program Director's Suggested State Regulations, NRC Regulations, FDA, EPA and DOT regulations. The drafts are reviewed by: the Program Manager; the Environmental Health Unit Administrator; the Director of the Division of Public Health, Legal and Regulatory Services Unit; Board of Health; Attorney General's Office; and Governor's Policy Research Office. The procedures for amending regulations are outlined in *May 2009 "DHHS Rulemaking Procedure Guide"* which is available upon request. A general timeframe for each major step in the process outlined in the Rulemaking Procedure Guide are listed below:

Developmental Stage 30-180 days
Public Hearing Stage 30-60 days
Approval Stage 30 –60 days
Filing State 30-60 days

Time frames may vary greatly due to fluctuations in workload and staff availability in each stage of the process.

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

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

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

Not Applicable

32. 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 18-23
Technical Quality of Incident and Allegation Activities - Questions 24-26

Not Applicable

III. Low-Level Radioactive Waste Disposal Program

33. 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 18-23
Technical Quality of Incident and Allegation Activities - Questions 24-26

Not Applicable. There is currently no active Low Level Radioactive Waste Program in Nebraska Department of Health and Human Services or in Nebraska Department of Environmental Quality. Both agencies monitor the status of low level radioactive waste nationally and advise agency management and the Governor as appropriate.

IV. Uranium Recovery Program

34. 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 18-23

Technical Quality of Incident and Allegation Activities - Questions 24-26

Not Applicable

UNIVERSITY OF NEBRASKA DISPOSAL TRENCHES' REMOVAL AND DECOMMISSIONING

1.0 Site Identification

| | |
|---|--------------------|
| Location: | Mead, Nebraska |
| License Number: | 02-01-03 |
| Submittal Date of the Decommissioning Plan or Reclamation Plan | September 5, 2007 |
| Approval Date of the Decommissioning Plan | September 14, 2007 |
| License or Regulatory Status | Active License |
| Project Manager: | Bruce Haley |

2.0 Site Status Summary

During World War II and the Korean War 30,000 acres near Mead, Nebraska were used by the US military as the Nebraska Ordnance Plant (NOP) to manufacture bombs. TCE and RDX were two of the primary active ingredients of the munitions. The Load Lines were routinely washed down to prevent the build up of the above chemicals. These chemicals made their way into the groundwater and created plumes that eventually found their way to nearby groundwater wells.

Following the deactivation of the NOP, approximately 9630 acres were given to the University of Nebraska. The University disposed of hazardous waste consisting of chemicals, pesticides and radioactive material in several trenches. Seven trenches contained radioactive material. Historical records of the radioactive material disposal indicated at present (September 2007) inventory of 61 millicuries of Carbon-14, 0.4 millicuries of Cobalt-60, 44.6 millicuries of tritium (H-3) and 5.2 millicuries of Technetium-99 spread over the seven trenches in 3 disposal locations.

The disposal locations are Load Line #1 (LL#1), Load Line #2 (LL#2) and Burial Site D (BS-D). Load Line indicates the disposal location's proximity to the bomb factories and Burial Site D is near a Natural Resources District reservoir and former sewage treatment plant.

LL#1 disposal location consisted of two trenches. One was approximately 100 feet long and the second was approximately 20 feet long. LL#2 disposal location was one trench approximately 60-70 feet long. BS-D consisted of four trenches varying in length from 100 feet to 20 feet long. All trenches were approximately 2 to 3 feet wide. The waste consisted of tens of thousands of liquid scintillation vials, animal carcasses and other laboratory/medical waste

The EPA declared the NOP property a Superfund site and because the University of Nebraska disposed of hazardous waste on their portion of the NOP property they were required to remediate their disposals under CERCLA. The EPA worked in conjunction with the Nebraska Department of Environmental Quality (NDEQ) and Nebraska Department of Health and Human Services, Radioactive Materials Program (NDHHS).

The University of Nebraska and Nebraska Department of Health and Human Services, Radioactive Materials Program (NDHHS) both ran the RESRAD radiation dose computer model to determine the radioactive hazard to a resident farmer who got all of his food and water from the site. It was modeled to have all the radioactive material in one area (not spread out over 3 disposal locations miles apart). This was designed to present the worst case scenario. The dose modeling showed that exposures were below regulatory concern (<15 mrem/yr). This meant the site was already below the level to be released for unrestricted use prior to decommissioning work.

The waste and impacted soil (hundreds of cubic yards) were segregated as to type and hazard and sent to various waste processors and disposal facilities for final disposition. Most radioactive waste has been sent off-site.

A Final Status Survey (FSS) was performed using the Multi-Agency Radiation and Site Investigation Manual (MARSSIM). All radioactive isotopes had to fall below their Derived Concentration Guideline Levels (DCGLs). Since there were multiple radioisotopes the sum of fractions methodology was employed to ensure the total annual dose did not exceed 15 mrem.

| ISOTOPE | DCGL (PICOCURIE/GRAM) |
|----------------------|------------------------------|
| H-3 | 5172 |
| Carbon-14 | 274 |
| Cobalt-60 | 183 |
| Technetium-99 | 65 |

The University has completed their analyses for all their disposal locations and their radiological results meet the criteria. NDHHS had taken split-samples at all three disposal locations. NDHHS has cleared LL#1, LL#2 and BS-D for unrestricted release. Chemical contaminants keep the sites open while continued remediation continues. NDHHS anticipates the EPA will allow closure by no later than June 1, 2008.

3.0 Major Technical or Regulatory Issues.

The University of Nebraska is an active licensee and the disposals had taken place in the 1970s under the regulations in place at the time. There were no issues (other than weather) that impacted the radiological decommissioning schedule.

4.0 Financial Assurance Status

The University of Nebraska is a State of Nebraska entity and decommissioning was funded by an allocation from the Legislature. The University was allotted up to 10 million dollars for the project.

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 followup 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.

ALSO, PLEASE HAVE THE FOLLOWING DOCUMENTS AVAILABLE:

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

STATE REGULATION STATUS

State: Nebraska

Tracking Ticket

Number:

Date:

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

| 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 | 10/7/97 | Nebraska 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 | Not Required | Not Required | Nebraska 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 10/07/1997 | |
| 1991-4 | Notification of Incidents Parts 20, 30, 31, 34, 39, 40, 70 56 FR 64980; | 10/15/1994 | Final | 10/7/97 | |
| 1992-1 | Quality Management Program and Misadministrations Part 35 56 FR 34104 (★ Superceded by 2002-2) | 01/27/1995 | | | Nebraska has not yet adopted final regulation equivalent 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 | Final ML022800655 | No Comments 10/18/2002 ML022960258 | |

| RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Package | Outgoing Package | Notes |
|---------|---|-----------------------------|-----------------------------|--|--|
| 1993-2 | Licensing and Radiation Safety Requirements for Irradiators Part 36 58 FR 7715 | 07/01/1996 | Final ML022800655 | No Comments 10/18/2002 ML022960258 | |
| 1993-3 | Definition of Land Disposal and Waste Site QA Program Part 61 58 FR 33886 | 07/22/1996 | Not Applicable ¹ | Not Applicable | Nebraska does not 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 | Nebraska does not have the 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 ML022800655 | No Comments 10/18/2002 ML022960258 | |
| 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 ML022800655 | No Comments 10/18/2002 ML022960258 | |
| 1995-2 | Frequency of Medical Examinations for Use of Respiratory Protection Equipment Part 20 60 FR 7900 | 03/13/1998 | Final | No Comments 05/19/1999 | |
| 1995-3 | Low-Level Waste Shipment Manifest Information and Reporting Parts 20, 61 60 FR 15649; 60 FR 25983 | 03/01/1998 | Final | No Comments 05/19/1999 | |

| RATS ID | NRC Chronology Identification | Date Due for State Adoption | Incoming Package | Outgoing Package | Notes |
|---------|--|-----------------------------|----------------------|--|---|
| 1995-4 | Performance Requirements for Radiography Equipment Part 34 60 FR 28323 (Superceded by 1997-5) | 06/30/1998 | Final ML003763184 | No Comments 02/01/2001 ML010330318 | Nebraska has adopted Final Regulations equivalent to RATS ID: 1997-5. |
| 1995-5 | Radiation Protection Requirements: Amended Definitions and Criteria Parts 19, 20 60 FR 36038 | 08/14/1998 | Final | No Comments 05/19/1999 | |
| 1995-6 | Clarification of Decommissioning Funding Requirements Parts 30, 40, 70 60 FR 38235 | 11/24/1998 | Final ML022800566 | No Comments 10/18/2002 ML022960258 | |
| 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 | Final ML022800566 | No Comments 10/18/2002 ML022960258 | Nebraska has not yet adopted Final Regulations equivalent 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 ML003763184 | No Comments 02/01/2001 ML010330318 | |
| 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 ML022800566 | No Comments 10/18/2002 ML022960258 | |
| 1997-1 | Resolution of Dual Regulation of Airborne Effluents of Radioactive Materials; Clean Air Act Part 20 61 FR 65120 | 01/9/2000 | Final ML003763184 | No Comments 02/01/2001 ML010330318 | |
| 1997-2 | Recognition of Agreement State Licenses in Areas Under Exclusive Federal Jurisdiction Within an Agreement State | 02/27/2000 | Final ML003763184 | No Comments 02/01/2001 | |

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| | Part 150 62 FR 1662 | | | ML010330318 | |
| 1997-3 | Criteria for the Release of Individuals Administered Radioactive Material Parts 20, 35 62 FR 4120 | 05/29/2000 | Final ML022800655 | No Comments 10/18/2002 ML022960258 | |
| 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 ML003763184 | No Comments 02/01/2001 ML010330318 | |
| 1997-6 | Radiological Criteria for License Termination Parts 20, 30, 40, 70 62 FR 39057 | 08/20/2000 | Final ML011130396 | No Comments 07/20/2001 ML012010439 | |
| 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 ML003763184 | No Comments 02/01/2001 ML010330318 | |
| 1998-1 | Deliberate Misconduct by Unlicensed Persons Parts 30, 40, 61, 70, 71, 150 63 FR 1890; 63 FR 13773 | 02/12/2001 | Final ML031500771 | No Comments 06/09/2003 ML031610005 | |
| 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 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) |

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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 ML003763184 | No Comments 02/01/2001 ML010330318 | |
| 1998-5 | Minor Corrections, Clarifying Changes, and a Minor Policy Change Parts 20, 35, 36 63 FR 39477; 63 FR 45393 | 10/26/2001 | Final ML031500771 | No Comments 06/09/2003 ML031610005 | |
| 1998-6 | Transfer for Disposal and Manifests: Minor Technical Conforming Amendment Part 20 63 FR 50127 | 11/20/2001 | Final ML022800655 | No Comments 10/18/2002 ML022960258 | |
| 1999-1 | Radiological Criteria for License Termination of Uranium Recovery Facilities Part 40 64 FR 17506 | 06/11/2002 | Not Applicable | Not Applicable | Nebraska does not have the 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 ML031500771 | No Comments 06/09/2003 ML031610005 | |
| 2000-1 | Energy Compensation Sources for Well Logging and Other Regulatory Clarifications Part 39 65 FR 20337 | 05/17/2003 | Final ML031500771 | No Comments 06/09/2003 ML031610005 | |

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| 2000-2 | New Dosimetry Technology Parts 34, 36, 39 65 FR 63750 | 01/08/2004 | Final ML031500771 | No Comments 06/09/2003 ML031610005 | |
| 2001-1 | Requirements for Certain Generally Licensed Industrial Devices Containing Byproduct Material Parts 30, 31, 32 65 FR 79162 | 02/16/2004 | Final ML031500771 | Comments 08/31/2006 ML062400266 | |
| 2002-1 | Revision of the Skin Dose Limit Part 20 67 FR 16298 | 04/05/2005 | Proposed ML072670112 | No Comments 11/16/2007 ML073200002 | |
| 2002-2 | Medical Use of Byproduct Material Parts 20, 32, 35 67 FR 20249 | 10/24/2005 | Final ML093110093 | No Comments 01/14/2010 ML093431027 | |
| 2003-1 | Financial Assurance for Materials Licensees Parts 30, 40, 70 68 FR 57327 | 12/03/2006 | Final ML093110093 | Comments 01/14/2010 ML093431027 | |
| 2004-1 | Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments Part 71 69 FR 3697 | 10/01/2007 | Final ML093110093 | Comments 01/14/2010 ML093431027 | |
| 2005-1 | Security Requirements for Portable Gauges Containing Byproduct Material Part 30 70 FR 2001 | 07/11/2008 | Final ML093110093 | No Comments 01/14/2010 ML093431027 | |
| 2005-2 | Medical Use of Byproduct Material - Recognition of Specialty Boards Part 35 70 FR 16336; 71 FR 1926 | 04/29/2008 | Final ML093110093 | No Comments 01/14/2010 ML093431027 | |
| 2005-3 | Increased Controls for Risk-Significant Radioactive Sources (NRC Order EA-05-090) 70 FR 72128 | 12/01/2005 | License Condition ML053060118 | No Comments 11/03/2005 ML053070551 | |

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| 2006-1 | Minor Amendments Parts 20, 30, 32, 35, 40 and 70 71 FR 15005 | 03/27/2009 | Final ML093110093 | No Comments 01/14/2010 ML093431027 | |
| 2006-2 | National Source Tracking System - Serialization Requirements Part 32 with reference to Part 20 Appendix E 71 FR 65685 | 02/06/2007 | Final ML093110093 | No Comments 01/14/2010 ML093431027 | |
| 2006-3 | National Source Tracking System Part 20 71 FR 65685, 72 FR 59162 | 01/31/2009 | Final ML093110093 License Condition ML083520149 | No Comments 01/14/2010 ML093431027 No Comments 12/30/2008 ML083530535 | |
| 2007-1 | Medical Use of Byproduct Material - Minor Corrections and Clarifications Parts 32 and 35 72 FR 45147, 54207 | 10/29/2010 | | | |
| 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 | | | |
| 2007-3 | Requirements for Expanded Definition of Byproduct Material Parts 20, 30, 31, 32, 33, 35, 61, 150 72 FR 55864 | 11/30/2010 | | | |
| 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 ML081130768 ML081140539 | No Comments 05/02/2008 ML081230143 | |

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| 2008-1 | Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent Parts 19, 20 72 FR 68043 | 02/15/2011 | | | |
| 2009-1 | Medical Use of Byproduct Material – Authorized User Clarification Part 35 74 FR 33901 | 09/28/2012 | | | |

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