



PUBLIC HEALTH DIVISION
Radiation Protection Services

John A. Kitzhaber, MD, Governor

Oregon
Health
Authority

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Portland, OR 97232
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July 24, 2013

Monica Lynn Orendi, Regional State Agreements Officer
US Nuclear Regulatory Commission- Region I
2100 Renaissance Blvd., Suite 100
King of Prussia, PA 19406-2713

Dear Ms. Orendi:

As requested, Oregon Radiation Protection Services (RPS) has completed the attached Integrated Materials Performance Evaluation Program (IMPEP) Questionnaire in preparation for the Nuclear Regulatory Commission's upcoming review. We look forward to your team's visit August 12-16, 2013. I believe that you will see sustained performance relating to the three recommendations that were identified in the 2009 Oregon final IMPEP report, including development and use of a Training Policy Statement; control of sensitive or security-related information; and implementation of a process to ensure all required information is submitted to NMED, with timely completion of NMED entries.

Since the periodic review on September 21, 2010, there have been significant challenges and changes for the RPS program. As a result of the Program's Director, Terry Lindsay's retirement, I served as the Interim Program Director and Operation's Manager for several months. I was selected to be the permanent Director in December 2010.

Since the last IMPEP review, we have had four RML inspectors leave our program and four new staff members join our program. The new staff include: Operations/ Emergency Response and Technical Services Manager, Rick Wendt (to fill my vacant position); two RML inspectors (each also cross-trained to complete x-ray inspections); and a new licensing staff member (to address licensing transition planning needs).

Despite the added burden of responding to the March 2011 Fukushima radiological event, and related environmental surveillance which required the program to establish risk communications to the citizens of Oregon, RML personnel have continued to provide quality licensing services, timely completion of licensee onsite inspections, and program enhancements to improve efficiency. The integration of new staff, coupled with having a smaller section due to budgetary constraints, has afforded RPS an opportunity to demonstrate resilience and commitment. I am proud of our

Letter to Monica Orendi

July 24, 2013

Page 2

flexibility, teamwork, and customer service, and I am confident that members of the review team will find quality performance and enhanced efficiencies.

Listed below are the two program managers contact numbers and email addresses to assist you with any questions you may have regarding the attached questionnaire:

* Rick Wendt, 971-673-0505, richard.a.wendt@state.or.us

* Todd Carpenter, 971-673-0500, todd.s.carpenter @state.or.us

We look forward to your visit and consider the IMPEP review a positive process for our program to protect the health and safety of Oregonians. If you have any questions, please contact me at 971-673-0499.

Sincerely,



David M. Howe, Program Director
Radiation Protection Services Section
Center for Health Protection (CHP)

cc: Suzanne Hoffman, Interim Director, Public Health Division
Dave Leland, Interim Administrator, CHP
Randy Erickson, State Agreements Liaison Officer, NRC Region IV

INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM
QUESTIONNAIRE

Oregon Health Authority, Radiation Protection Services
 Reporting Period: August 28, 2009, to August 16, 2013

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;

See Attachment #1

(b) A chart showing positions of the radiation control program, including management; and

See Attachment #1

(c) Equivalent charts for sealed source and device evaluation, low-level radioactive waste and uranium recovery programs, if applicable. **N/A**

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.

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.

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>
Richard Beaman	Health Physicist	RML Inspections RAD Emergency Response	50%
David Howe	Program Director	Administration RAD Emergency Response	40%
Erin DeSemple	Health Physicist	Licensing (in training)/ RAD Emergency Response	75%
Nancy Curry	Administrative Assistant	Licensing RAD Emergency Response	80%
Kevin Siebert	Health Physicist	RML Inspections RAD Emergency Response Laboratory Operations	100%
Sylvia Martin	Health Physicist	Licensing	100%
Todd Carpenter	Program Manager	Administration RAD Emergency Response	50%
Connie Grater	Administrative Assistant	RML Licensing Fiscal	40%
Richard Wendt	Program Manager	RML Operations RAD Emergency Response	55%
Daryl Leon	Health Physicist	RML Inspections, Laboratory Operations RAD Emergency Response	100%
Margaret Lut	Health Physicist	X-ray Regulations Laboratory Operations RAD Emergency Response	10%
Molly Keller	Health Physicist	X-ray Regulations RAD Emergency Response	5%
Matt Jaqua	Health Physicist	X-Ray Regulations RAD Emergency Response	5%
Sudhir Oberoi	Health Physicist	X-Ray Regulations RAD Emergency Response	5%
Michelle VanKleek	Health Physicist	RAD Emergency Response	5%
Catherine Hess	Health Physicist	Laboratory Operations RAD Emergency Response	10%
		Total FTE Dedicated to Radiation Materials	7.3%

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. **See Next Page**

New Professional Hire

Name	Position	Experience/Education
Richard Beauman Hire Date: May 2011 See training journal for further information	Health Physicist	*10/2006, Florida Department of Environmental Protection, Specialist II, Hazardous Waste Enforcement *11/2007, Florida Department of Health, Environmental Specialist II, RML Inspector *Auburn University, Biological Sciences, Master Degree
Erin DeSempole Hire Date: 3/2010 RML training: 01/2013 See training journal for further information	Health Physicist	*11/2005, Open Advanced MR/CT, Marketing *01/2007, Clark County Public Health, Environmental Health Specialist II, Public Education, Epidemiology *03/2010, Oregon Health Authority, RPS, X-ray device enforcement *Portland State University, Public Health Education, Bachelor of Science Degree *01/2011, University of Colorado, Radon Measurement and Mitigation Course *07/2010, Oregon State University, Oregon HazMat Radiological Training Course *07/2010, Reed College, Radiation Safety Officer, Title 10, Part 33.15
Richard A. Wendt Hire Date: 09/01/2011	Program Manager	*Southwest Missouri State University, Radiological Sciences, Bachelor's Degree 1982 *Wesley Medical Center, Radiological Technology , AART Certification 1975 *04/2004 Manager of Diagnostic Imaging, Fransican Health system *US Army, NCOIC, X-ray 1982 *Radon Measurement and Mitigation 40 Hour Course *Inspection procedures G-108 *Introduction to Health Physics
Emal Wahab Hire Date: 10/2006 Started RML training in calendar year 2011. Resigned 02/2012	Health Physicist	*X-Ray program inspector for RPS starting in 2006 *Lewis & Clark College, Chemistry, Bachelor's Degree *State of Oregon, Registered Environmental Health Specialist 10/2006 *Multnomah County Oregon, Public Health Services, Environmental Health Specialist 03/2003
David Howe Promoted during calendar year 2011	Program Director	*Law enforcement operations, 20 years *Program Development Director, 9 years *MA, Organizational Management *Inspection procedures G-108 *Reed college Radiation Safety Officer Course *NMED SA-300 Course *Oregon State University, Oregon HazMat Radiological Training Course *Increased Controls Course S-201

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.

Richard Beaman, Trained and experienced with previous employer, State of Florida RML program. See training journal **attached #2**

Erin DeSemples, Core training classes slated to be attended over the course of the next several years as defined in the training journal **attachment #3**

Rick Wendt, Remaining of NRC core training classes to be attended over the course of next several years. Current priority is completing the Department of Human Resource's mandatory core manager training courses. See training program report **attachment #4**

Emal Wahab, Completed 5 NRC core training classes and training journal for portable and fixed gauge inspections. See training program and training journal **attachment #5**

David Howe, have dedicated time to become educated in NRC's core training program and related courses to ensure that the licensing and inspection mission is meant. **See attachment #6**

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

Radiation Protection Services requires new employees to demonstrate appropriate skill sets for each licensing or inspection type. Please see training journals for examples. Program recognizes appropriate core training certificates from courses attended during previous employment.

7. Please identify the technical staff that left your radioactive materials program during the review period and indicate the date they left.

Justin Spence, December 1, 2010

Philip Wilson, September 15, 2010 (<10% FTE in RML position)

Bonny Wright, September 10, 2011 (specialized in therapy machines)

Emal Wahab, February 2, 2012, (<10% FTE for RML position)

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.

No vacant position but wish to add another .5 FTE for succession planning

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.

Yes, authority is Oregon Revised Statute 453.645. The Director of the Oregon Health Authority shall appoint a Radiation Advisory Committee consisting of 8 members representing various disciplines within the radiation industry.

NOTE: The committee is advisory with no oversight authority. Committee meets every four months.

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.

Not Applicable

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.

See Attachment #7

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:

Licensee	License Number	Inspection Priority	Last Inspection Date	Over Due Date	Date Performed	Time Overdue	Date Inspection Findings Issued
*Meridian Park Medical Center	90293	2	04/13/2010	10/13/2012	02/28/2013	138	02/28/2013

* Inspection overdue due to an administrative error of entering the wrong inspection frequency for this licensee. Data entry corrected from priority 3 to 2 and inspection conducted.

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.

No current overdue priority 1, 2, or 3 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.

See Attachment #8

III. Technical Quality of Inspections

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

010 SUNSI Protocol Revise 01/20/13, Revised 09/07/12

011 MedRam Protocol 03/11/10

017 RML Inspection – Increased Control Protocol 07/29/10

018 RML Inspection – National Source Tracking System 07/29/10

020 Complex RAM 2010.1 07/01/10, Revised 02/19/13

027 Inspection Civil Penalty 05/16/12

030 Out of State Non-Compliant Events 09/01/12

036 Inspection for Medical Linear Accelerators, 04/04/13

In Draft, Scheduled for final 08/01/13

Well Logging Inspections

Radiopharmacy Inspections

Industrial Radiography

Gamma Knife

Inspection procedures not listed, Oregon RPS uses NRC's IMC 2800 inspection manuals.

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>
Siebert	Howe	3	11/22/11
Wahab	Howe	5	12/09/11
Beauman	Howe	5	12/14/11
Leon	Howe	3	12/22/11
Siebert	Wendt	1	07/03/12
Leon	Wendt	1	01/02/12
Beauman	Siebert	2	02/10/12
Siebert	Wendt	3	02/27/13
Beauman	Wendt	1	03/10/13
Leon	Wendt	1	07/23/13

NOTE: Calendar year 2010 had no supervisory accompaniments due to the transition of the Operations Manager acting as interim Program Director due to retirement of the Program Director

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?

Instrumentation is calibrated at Oregon State University's Radiation Center. Instruments are calibrated annually. Selected instruments are shipped each quarter for annual calibrations. Sufficient calibrated instruments have been available for all RPS staff to utilize during the review period.

Instruments and dosimeters are also evaluated by FEMA every 2 years in relation to responding to nuclear power plant accident. See attachment 9

IV. Technical Quality of Licensing Actions

18. How many specific radioactive material licenses does your program regulate at this time? **402**

Specifics 315
In-Vitro 5
General 35
Reciprocity 47

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.

Legacy Good Samaritan Medical Center, New Gamma Knife and Increased Controls licensee, 91155

Oregon Washington Labs, New Increase with Increased Controls, 91149

Blue Heron Paper Company, license terminated due to bankruptcy, 90296

Cardinal Health, license amendment for funding and decommissioning plan, 91142

20. Discuss any variances in licensing policies and procedures or exemptions from the regulations granted during the review period. **N/A?**
21. What, if any, changes were made in your written licensing procedures (new procedures, updates, policy memoranda, etc.) during the reporting period?
SUNSI Protocol Implemented for file management
Electronic Reciprocity notification system implemented
Web-based licensing services infrastructure designed
Increased Control licenses submitted to the NRC Web-Based Licensing project
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. **N/A**

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>
State of Oregon Fire Marshal	93209	02/17/11	Lost then found XRF
Corvallis Good Samaritan Hospital	90202	01/19/11	Badge overexposure

24. Identify any changes to your procedures for responding to incidents and allegations that occurred during the period of this review.
***RPS-003 NMED/NRC Incident Reporting**
***RPS-006 Incident Log Documentation**

See attachment 10

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.
During the last review period, Oregon was drafting Administrative Rules, Division 124 to implement a civil penalty program. During this review period, Division 124 was implemented.

26. Are your regulations subject to a "Sunset" or equivalent law? If so, explain and include the next expiration date for your regulations.
No

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.

RATS-ID 2007-1 scheduled to be final expect no comments 01/01, 2014
RATS-ID 2009-1 scheduled to be final expect no comments 01/01, 2014

RATS-ID 2011-1 through 2013-1 are planned to be adopted prior to the state due adoption date. RPS submits rule adoption amendments approximately every six months to compliment compatibility requirements.

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. **N/A**

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

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: **N/A**

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: **N/A**

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

Attachment #2 RPS Training Program

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
Beauman, Richard L.	<i>Air/Ground Sampling, ICS, Exercise</i>	9/27/2011
	<i>All Hazard Mobile Lab Drivers Training</i>	9/18/2012
	<i>An Introduction to Hazardous Materials</i>	12/6/2007
	<i>Columbia Crest Terrorism Training</i>	9/7/2011 9/21/2011
	<i>CR/DR Acceptance Session 1</i>	2/13/2012
	<i>CR/DR Acceptance Testing Session 2</i>	2/15/2012
	<i>Diagnostic Nuclear Medicine</i>	3/5/2008
	<i>ERT Exercise Preperation</i>	9/26/2011
	<i>ICS for Single Resources and Initial Action</i>	9/23/2008
	<i>Introduction to Portable Moisture Density Gau</i>	3/5/2008
	<i>Introduction to the Incident Command System</i>	11/14/2007
	<i>Licensing Practices and Procedures Course</i>	11/5/2012
	<i>National Incident Mgmt System an Introduction</i>	11/19/2007
	<i>Navy Spent Fuel Transportation Accident Exer</i>	8/24/2011

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
	<i>Oregon HazMat Radiological Training Course</i>	4/9/2013
	<i>Radiological Emergency Management</i>	9/22/2008
	<i>Radiological Emergency Response</i>	12/10/2007
	<i>RAP 8 Training</i>	12/5/2012
	<i>Safety Aspects of Industrial Radiography</i>	9/16/2011
	<i>Transportation of RAM</i>	2/27/2012

MATERIALS HEALTH PHYSICS INSPECTOR
Oregon RPS INSPECTOR QUALIFICATION JOURNAL

This Oregon Radiation Protection Services Inspector Qualification Journal implements NRC Manual Chapter 1246, Appendix A, Section II, by establishing the minimum training requirements for personnel assigned to independently perform safety inspections at materials facilities. The Oregon RPS Qualification Journal provides documentation to show that minimum requirements are met for each inspector.

The Oregon RPS Inspector Qualification Journal consists of a series of qualification guides and supervisory signed verifications. Each verification is used to document task completion, as indicated by the appropriate signature blocks. The corresponding qualification guide establishes the minimum knowledge levels or areas of study that must be completed for each inspection type.

Most of the qualification guides are divided into sections. The review sections of the qualification guides identify references with general application to the inspector's qualification. The inspector is expected to have a general familiarity with these references. Other sections of the qualification guides identify specific references that have direct application to an inspection discipline. The inspector is expected to demonstrate detailed knowledge of the inspection discipline specific references. In order to support the review of upper tier documents, programs, and policies, the inspector's first line supervisor will assign one or more specific license types as reference facilities. The selection of a reference facility is intended to provide the inspector's management with the ability to tailor the qualification process to the experience and training level of the inspector, and to meet the inspection standards of the NRC. The use of specific real world material will reinforce the qualification process.

Reference MC1246, APPENDIX B II-2 Issue Date: 01/05/01

INSPECTOR QUALIFICATION JOURNAL

OHA/PHD/OEPH Materials Health Physics Inspector Qualification Summary

Name	Title	Spvr	Cert Date	License Types
Beauman, Richard	Health Physicist		11-9-11	PG/FG/GL
			8-13-12 / 7-11-12	IR (Fixed/Field)
			3-26-12	Medical Imaging
			3-26-12	Medical Therapy
			6-5-13	Well Logging (none available in 2012)

review prior to rpsp
in 2013

Richard Beaman			5-11-12 (H) 11-21-12 (S)	Broad Scope A, B, C
			10-30-12	Nuclear Pharmacy
				Veterinary Therapy
				Source Material
			11-9-11 (NORM)	RAM NOS
				Environmental Monitoring
				Incident Response

(Monthly Training)
REAC/ITS

9-24-12

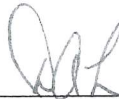
REAC/ITS

To complete your qualification as a Materials Health Physics Inspector you are to complete the following training verifications. All signoffs shall include the signature of the responsible reviewer and the date. These records will be maintained in training journal along with any background or written material required by the program.

Signature When Complete Date

1. NRC/Oregon RPS Orientation

Lead worker



Signature

11-8-11 (RM)

Date

7-6/17-11 (RPS)

7-29-11 (read rules)

~~First Line Supervisor~~

2. Code of Federal Regulations (CFR) / Oregon Administrative Rules (OAR)

10 CFR (Appropriate Parts related to OAR Divisions)

49 CFR (Appropriate Parts related to OAR Division 118)

OAR Chapter 333 Divisions 100-124 (See appropriate OAR Divisions below)

- Portable Gauge/Fixed Gauge and General Licensees
(Divisions 100, 101, 102, 103, 111, 118, 120, 124)
- Industrial Radiography Licensees
(Divisions 100, 101, 102, 103, 105, 111, 118, 120, 124)
- Medical Imaging/Nuclear Medicine Licensees (with Radioisotope Therapy)
(Divisions 100, 101, 102, 103, 111, 116, 118, 120, 124)
- Medical Brachytherapy/HDR/Teletherapy Licensees
(Divisions 100, 101, 102, 103, 111, 116, 118, 120, 124)
- Research & Education/Broad Scope A, B, and C Licensees
(Divisions 100, 101, 102, 103, 111, 118, 120, 124)
- Naturally Occurring or Accelerator Produced Material (NORM) Licensees
(Divisions 100, 101, 102, 103, 111, 117, 118, 120, 124)
- Nuclear Pharmacy/Cyclotron Isotope Production Licensees
(Divisions 100, 101, 102, 103, 111, 116, 118, 120, 124)
- Veterinary Medicine Radioisotope Therapy Licensees
(Divisions 100, 101, 102, 103, 111, 116, 118, 120, 124)
- Source Material Licensees
(Divisions 100, 101, 102, 103, 111, 117, 118, 120, 124)
- Radioactive Material (RAM) Not Otherwise Specified (NOS) Licensees
(Divisions 100, 101, 102, 103, 111, 117, 118, 120, 121, 124)
- Well Logging Licensees
(Divisions 100, 101, 102, 103, 111, 113, 118, 120, 124)

Lead worker

~~First Line Supervisor~~

3. Office Instructions/RPS Inspection Procedures

Portable Gauge/Fixed Gauge Licensee Inspection Protocol

- General Licensee Inspection Protocol
- Industrial Radiography (Fixed/Field) Inspection Protocol
- Medical Imaging/Nuclear Medicine Licensee Inspection Protocol
- Medical Brachytherapy/HDR/Teletherapy Licensee Inspection Protocol
- R&E/Broad Scope A, B and C Licensee Inspection Protocol
- NORM Licensee Inspection Protocol
- Nuclear Pharmacy/Cyclotron Isotope Production Licensee Inspection Protocol
- Veterinary Medicine Radioisotope Therapy Licensee Inspection Protocol
- Source Material Licensee Inspection Protocol
- RAM/NOS Licensee Inspection Protocol
- Well Logging Licensee Inspection Protocol

First Line Supervisor

4. Regulatory Guidance (As appropriate from NRC Regulatory Guides) _____

First Line Supervisor

5. NRC Inspection Manual (Orientation related to Oregon RPS Inspection Protocols and data forms)

| Chapters (MC) First Line Supervisor

6. Industry Codes and Standards _____

- MC 1246
- MC 2800
- ISO Standards
- ANSI Standards
- OR-OSHA Requirements

Lead worker

First Line Supervisor

7. Inspection Accompaniments

DRK

11-9-11

Signature

Date

Initial Training period Peer/Supervisor accompaniments:

Inspector	Peer/Supervisor	License Type	License No.	Date(s)
Beauman, Rich	Daryl Leon, LW	PG	ORE-90921	11-9-11
" "	Kevin Siebert, peer	Imaging/Therapy/Brachy	ORE-90008	3-22-12
w/ Kevin S.	Beauman, Rich - King	" / " / "	ORE-90126	3-19-12
" " "	" " "	Gamma Knife, IC	ORE-90746	3-20-12
w/ Kevin Siebert	_____	Norm	ORE-90749	10-6-11
" " "	_____	Broad Scope A	ORE-90013	2-10-12
" " "	_____	IR (Field) - rec'd	ORE-90130	7-11-12
" " "	_____	IR (Fixed)	ORE-90728	8-13-12
" " "	_____	Cyclotron Act. Production	ORE-91142	10-30-12
" " "	_____	Broad Scope P3	ORE-90156	11-12-11

Annual/Periodic Supervisor accompaniment Record:

Inspector	Supervisor	License Type	License No.	Date(s)
Beauman, Rich				
	Richard Wandt	Service Vendor (IC)	ORE-96079	3-10-13

Beauman, Rich w/DAL PG 91077 9-8-11
 w/DAL PG Investigator (Incident Investigations) 91120 9-1-11

Lead worker
~~First Line Supervisor~~

8. NRC Management Directives NA

Note: These are generally internal to NRC (Reference for Agreement States)

Lead worker
~~First Line Supervisor~~

9. Review of significant events at materials licensees - dk dk

Ensure that inspector reviews incident database related to licensee prior to and during inspection. Note: Incidents are "flagged" under RML database inspection screen for licensees involved in incidents.

Lead worker
~~First Line Supervisor~~

10. Directed review of selected inspection casework

DAL
 Signature

1-9-12, 2-3-12,
 3-26-12, 9-19-12, etc.
 Date

Inspector	Reviewer	License Type	License No.	Review Date
RLB	DAL	PG	90853	1-9-12
RLB	DAL	PG	90529	2-3-12
RLB	DAL	PG	90557	2-3-12
RLB	RAW	Brachytherapy	90008	3-26-12
RLB	RAW	Brachytherapy	90005	9-19-12
"	RAW	Mobile X-ray Med	91086	7-20-12
"	DAL	Therapy/Imaging	90343	11-26-12
"	RAW	DR (High-contrast)	90621	9-26-12
"	RAW	Brachytherapy	90156	11-28-12
"	RAW	Pharmacy	90509	11-26-12

11. Formal Training _____

~~First Line Supervisor~~ *Lead worker*
 Qualification Requirement Met

Dayle Lewis
 Signature

12-4-12
 Date

Note: Performed med. insp in x-ray's RAM in Florida program.

Note: Needs H-308 (Transportation), H-313 (Brachy), G-205 (Root Cause), G-304 (Insp for Performance), H-201 (HIP Tech)

Second Level Supervisor or RPS Section Manager
 Recommended as a qualified inspector

 Signature

 Date

Second Level Supervisor
 Certification documented in Inspector Training Journal

Second Level Supervisor

NRC/RPS Orientation

A. Site Orientation

1. New employee processing completed

 Signature

 Date

2. Facility tour and introduction

First Line Supervisor

B. NRC/Oregon Health Authority (OHA) Organization ✓

1. Review of OHA/PHD/OEPH Organizational Structure

2. Discussion of NRC/OHA/PHD/OEPH/RPS organizational structure

This was done July 6-7, 2011 when first hired by dept as X-ray inspector

Lead Worker

~~First Line Supervisor~~

Code of Federal Regulations (CFR) / CFR

A. Familiarization with selected CFR parts completed

JAH

Signature

Date

B. Discussion completed on CFR parts related to the materials inspection program

~~First Line Supervisor~~

Lead Worker

Office Instructions/Procedures

A. Familiarization with office/OHA policies and procedures

JAH

7-6/7-11

B. Discussion completed on office policies and procedures

Date: July 6-7, 2011.

Lead Worker

~~First Line Supervisor~~

Regulatory Guidance

A. Review of regulatory guidance

1. Regulatory Guides _____

2. Information Notices /Bulletins _____

3. NUREGS 1556 Series (licensing guides) _____
1757 Volumes (Decommissioning) _____

4. Generic Letters N/A _____

5. Federal Register Notices N/A _____

6. NRC Branch Technical Positions N/A _____

7. Policy and Guidance Directives N/A _____

8. Sealed Source and Device Registry _____

9. Technical Assistance Requests N/A _____

B. Discussion of regulatory guidance with application to the materials inspection program _____

First Line Supervisor

NRC Inspection Manual Chapters (MC)

A. Review of appropriate NRC MCs completed _____

B. Discussion of NRC MCs and their relation to the materials inspection program _____

First Line Supervisor

Industry Codes and Standards

A. Review of selected codes and standards completed _____

B. Discussion of the application of codes and standards in the materials inspection program _____

First Line Supervisor - Inspection Accompaniments

A. Inspections completed

Supervisor accompaniment Record

Inspector	Supervisor	License Type	License No.	Date(s)
Beauman, Richard	DAL	PG	ORE-90921	11-9-11
	Richard Wendt	Recip. JC Service Leads	ORE-96079	3-10-13

B. Discussion of inspection and employee's role

~~NRC Management Directives~~

~~A. Review of selected portions of the NRC Management Directives completed~~

~~B. Discussion of the application of the NRC Management Directives to the materials inspection program~~ NA

~~First line supervisor~~

~~Review of Significant Events at Materials Licensees~~

~~A. Review of selected significant historical materials events~~

~~B. Discussion of the importance of these events and lessons learned~~

First Line Supervisor

Directed Review of Selected Inspection Casework

A. Review of selected inspection casework _____

B. Discussion by first line supervisor of directed review of the selected casework and its relation to the materials inspection program

First Line Supervisor

A. CORE TRAINING:

1. Fundamentals of Inspection

Course (G-101) or Inspection Procedures Course (G-108)

NRC

Training Coordinator

9/21 - 9/24, 2009

2. Root Cause/Incident Investigation Workshop (G-205)

Training Coordinator

3. Inspecting for Performance

Course - Materials Version (G-304)

Training Coordinator

4. Health Physics Technology Course (H-201)

Training Coordinator

5. Diagnostic and Therapeutic Nuclear Medicine Course (H-304)

NRC _____ 3/22 - 3/26, 2010 *passed*

Training Coordinator

6. Safety Aspects of Industrial Radiography Course (H-305)

NRC _____ 9/16 - 9/20, 2011 *passed*

Training Coordinator

7. Teletherapy and Brachytherapy Course (H-313)

Training Coordinator

8. Transportation of Radioactive Materials Course (H-308)

2-27-12 → 3-27-12 *passed*

Training Coordinator

B. SPECIALIZED TRAINING

Other specialized training courses required for inspectors performing inspection activities in specific areas:

Course Title Course # Initials Date

NRC H-201 IC 4/24 - 5/1, 2009 *passed*

Supervisor Training Coordinator

NRC G-109 Licensing 11-5-09-12 *passed*

Supervisor Training Coordinator

Supervisor Training Coordinator

Supervisor Training Coordinator

Attachment 1 - RPS Inspector Training Guidance/NRC References

NRC/RPS Orientation

A. Site Orientation

1. The qualifying individual should read and complete, as appropriate, the forms for processing into the Oregon Radiation Protection Services:
2. The First Line Supervisor should orient the qualifying individual to the facility as follows:
 - a. Tour the facility and introduce the qualifying individual to the staff
 - b. Indicate to the qualifying individual the location of controlled documents, reference material, supplies, office equipment, etc.

B. NRC/RPS Organization

1. The qualifying individual should review and become familiar with the following, as appropriate:
 - a. Organizational charts of NRC and Oregon RPS section
 - b. Role of NRC and Oregon OHA as regulatory agencies
 - (1) 10 CFR Part 1 (Organization)
 - (2) Atomic Energy Act of 1954, as amended
 - (3) Energy Reorganization Act of 1974, as amended

Attachment #3 RPS Training Program

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
DeSemple, Erin	<i>Air/Ground Sampling, ICS, Exercise</i>	9/27/2011
	<i>CGS Dress rehearsal Preparation</i>	7/19/2010
	<i>CGS Dress Rehearsal Drill</i>	7/20/2010
	<i>Columbia Crest Terrorism Training</i>	9/7/2011 9/21/2011
	<i>CR/DR Acceptance Session 1</i>	2/13/2012
	<i>CR/DR Acceptance Testing Session 4</i>	2/22/2012
	<i>ERT Exercise Preperation</i>	8/26/2011
	<i>Excel 2007</i>	
	<i>Field Instrument Air Sampling Training</i>	5/3/2011
	<i>Field Sampling and PPE Training</i>	5/12/2011
	<i>Full Scale CGS Exercise</i>	8/30/2010
	<i>ICS for Single Resources</i>	11/24/2010
	<i>Introduction to the Incident Command System</i>	7/9/2010
	<i>Licensing Practices and Procedures Course</i>	3/11/2013

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
	<i>NIMS an Introduction</i>	2/16/2007
	<i>Oregon HazMat Radiological Training Course</i>	7/27/2010
	<i>Radiation Safety Officer</i>	6/14/2010
	<i>Radiation Use and Safety</i>	1/7/2011
	<i>Radon Measurement Course</i>	1/25/2011
	<i>Radon Mitigation</i>	1/26/2011
	<i>RAP 8 Training</i>	12/5/2012
	<i>Respiratory Fitness and Annual Fit Test</i>	1/4/2011
	<i>Respiratory Protection</i>	2/9/2012
	<i>SAE Basic Associate National Certification</i>	3/28/2010
	<i>WMD/Nuclear Responder Operations</i>	6/21/2010

State of Oregon, Radiation Protection Services
Task Performance Journal – Licensing Reviewer

This journal is to document the necessary skills required to satisfactory perform licensing procedures for the Radiation Protection Services. This document is to compliment the Nuclear Regulatory Commission's core training program for the licensing reviewer.

The evaluation process is based on direct observation of an experienced licensing reviewer identifying satisfactory or unsatisfactory proficiency for the essential skills required for a successful licensing orientation program. The objective of this journal is to document that the licensing reviewer is able to independently provide licensing services in the manner that will protect the health and safety of workers and the general public.

The candidate's observer shall either document satisfactory or unsatisfactory for each essential task.

- Satisfactory: The candidate has demonstrated skills necessary to independently meet essential skills.
- Unsatisfactory: The candidate can not independently demonstrate skills necessary for each essential task.
-

Recommended Core Training Courses

G-109, Licensing Practices and Procedures:

Attended 3/11/13 - 3/15/13

H-304, Diagnostic and Therapeutic Nuclear Medicine: _____

H-305, Safety Aspects of Industrial Radiography:

H-313, Teletherapy and Brachtherapy:

H-308, Transportation of Radioactive Materials

G-108, Inspection Procedures

Vendor Specific Portable Gauge Training

Inspection Site Visits *- see attachment*

 6/8/13
Supervisor Signature Date

Supervisor Signature Date

Supervisor Signature Date

Supervisor Signature Date

Supervisor Signature Date

Supervisor Signature Date

Supervisor Signature Date

Facility: _____ Inspector: _____ Date: _____



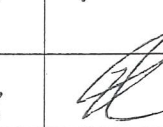
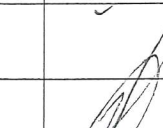

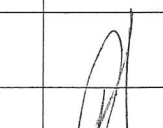
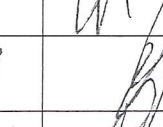
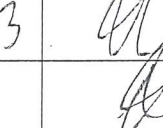
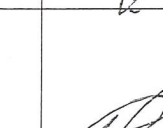
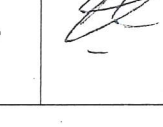
Facility: _____ Inspector: _____ Date: _____

Facility: _____ Inspector: _____ Date: _____

Facility: _____ Inspector: _____ Date: _____

Date Performed	Essential Tasks	Satisfactory Initial and Date	Unsatisfactory Initial and Date
Preparatory Phase			
2/13/13	Demonstrates the knowledge of the following licenses: * General license. * Specific license of limited scope. * Specific license of broad scope. * General license , and * Materials exempt from licensing.	2/13/13 2/13/13 2/13/13 2/13/13	
2/13/13	Understands and acquires appropriate Sealed Source and Device Registry (SS&D) information.	2/13/13	
3/29/13	Demonstrate knowledge of Oregon Administrative Rules Divisions: * 102 * 103 * 105 * 116 * 117	3/29/13	
2/13/13	Demonstrates the knowledge and location of the Code of Federal Regulations for source and byproduct materials	2/13/13	
2/13/13	Acquires and demonstrates knowledge of the National Source Tracking System (NSTS).	2/13/13	
2/13/13	Acquires and demonstrates knowledge of the NUREG 1556, volumes 1 - 20	2/13/13	
2/13/13	Understands the Agreement State licensing program and the nationwide licensing compatibility program.	2/13/13	
3/29/13	Acquires and understands the licensee's radioactive material and device inventory within the RML database to perform: * The addition of materials and devices to the licensee's inventory; and * The deletion of materials and devices from the licensee's inventory.	3/29/13	
2/26/13	Acquires the knowledge to operate within the following licensing database tabs: * Addresses * Certification * Licensee Info * Licensing Action * Reciprocity * Inspection	2/26/13	
2/13/13	Acquires the skills necessary to assign a docket number and commence licensing for; * Amendments,	2/13/13	

	* Renewals * New licenses.	
4/17/13	Understands how to print and read a tracking sheet within the RML database.	4/17/13
2/13/13	Understands the Security Related Sensitive Unclassified, Non-Safeguards Information (SUNSI) protocol and how it is applied in relationship with Increased Controls.	2/13/13
2/13/13	Able to understand and interrupt various radioactive materials licensing application forms that RPS utilizes for each license type.	2/13/13
2/13/13	Demonstrates the knowledge of NRC's FSME Resources and Tools; * Medical Uses Licensee Toolbox * SS&D * Increased Control Toolbox * NMED * Enforcement Documents * NSTS * Low Level RAD Waste Toolbox	2/13/13
3/29/13	Demonstrates general knowledge of RML's database program codes	3/29/13
3/29/13	Able to understand and interrupt the terms * Sealed source * Unsealed materials * Remote afterloader unit * Teletherapy unit * Gamma stereotactic unit	3/29/13
3/29/13	Demonstrates the knowledge when to request a pre-licensing inspection or interview	3/29/13
3/29/13	Demonstrates the knowledge of verifying State of Oregon businesses through the Secretary of State web site.	3/29/13
	Understands the concept of "Risk Informed and Performance Based Regulations"	
The License		
3/29/13	Understands the specific license terminology in sections: * 3. Licensee number * 4. Expiration Date and the renewal period for each license type. * 5. License type	3/29/13
3/29/13	Demonstrates knowledge and the use of sections: * 6. Radioactive materials element and mass number * 7. Chemical and/or physical form * 8. Maximum quantity licensee may possess at any one time	3/29/13
4/17/13	Demonstrates knowledge and the use of sections: * 9. Authorized Use	4/17/13

4/17/13	* 10. Licensing Conditions	4/17/13	
5/30/13	Demonstrates knowledge of authorized user types for medical licensees.	5/30/13	
5/30/13	Acquires the knowledge of training requirements for the medical (imaging and therapy) authorized user and the use of form 313 and when a written attestations is required.	5/30/13	
4/17/13	Acquires the knowledge of training requirements for a portable gauge authorized user.	4/17/13	
	Acquires the general knowledge of the radiation safety officer training requirements for each license type.		
4/17/13	Acquires the general knowledge of the training requirements for the industrial radiographer authorized user.	4/17/13	
	Acquires the general knowledge of Increased Controls license conditions.		
	Acquires the general knowledge of how to apply licensing conditions in relation to human research and IRB protocols		
4/17/13	Acquires the skills of how to create or amend a RML license with Microsoft word.	4/17/13	
4/17/13	Demonstrates general knowledge in reference to the NRC's Table 1, Radionuclides of Concern.	4/17/13	
4/17/13	Demonstrates general knowledge and the location of NRC's Regulatory Guides.	4/17/13	
4/17/13	Understands the knowledge of a license tie down and how it applies in relationship to a license condition.	4/17/13	
4/17/13	Acquires the knowledge of license termination procedures to include: * Shipping and receipt documents used with materials or devices being transferred. * Decommissioning of facilities to include exit surveys * Decommissioning funding plans	4/17/13	

Licensing Actions Completed During Training 2012 & 2013

Licensee Number	Licensing Action	Reviewed By (signed off in licensing action notes) or Independent (once signed off to license review alone)
90785	Peer review for Sylvia/Termination	I completed peer review
93200	Peer review for Sylvia/Termination	I completed peer review
91153	Peer review for Sylvia/New Specific License	I Completed peer review
90985	Review license amendment/delete gauge	I Completed peer review
90497	Change RSO and Add/Delete User	Reviewed by Sylvia/in database
91104	Administrative Termination	Reviewed by Sylvia/in database
90818	Delete gauge or device	Reviewed by Sylvia/in database
90505	Changed RAM location/RSO	Reviewed by Sylvia/in database
96124	Reciprocity/Renewal	Reviewed by Sylvia/in database
90140	Renewal	Reviewed by Sylvia/in database
91114	Add AU	Reviewed by Sylvia/in database
90832	Renewal	Reviewed by Sylvia/in database
91096	Change RSO	Reviewed by Sylvia/in database
91073	Add temporary storage location	Reviewed by Sylvia/in database
91108	Termination	Reviewed by Sylvia/in database
91100	Change RSO	I Completed peer review
90385	Add ARSO	Still working on
90651	Change L/C	Reviewed by Sylvia/in database
90619	Add AU	Reviewed by Sylvia/in database
90821	Delete Gauge/Device	Reviewed by Sylvia/in database
91149	Add Assistant	Reviewed by Sylvia/in database
96121	Renewal	Reviewed by Sylvia/in database
90559	Renewal	Reviewed by Sylvia/in database
91114	RSO/ARSO change	Reviewed by Sylvia/in database
90720	RSO update/AU changes/leak test	Reviewed by Sylvia/in database
90605	AU changes	Reviewed by Sylvia/in database
96147	Reciprocity/Renewal	Reviewed by Daryl Leon/in database
90605	Remove AU's	Reviewed by Sylvia/in database
90118	Change RSO	Reviewed by Sylvia/in database
96058	Reactivation Reciprocity	Reviewed by Sylvia/in database
91016	RSO/AU change	Independent - Still working on
96212	Reciprocity Renewal	Independent w/ peer review
90773	Termination	Reviewed by Sylvia/in database

Monthly Licensing Training Report for Erin DeSemple

Month: *November*

Areas Covered: Started to review Division 102 and started to review Licensing Practices & Procedures Course (G-109)

11/27/12: Meeting for transition plan for training in licensing (meeting with managers and leads)

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
11/14/12	Kevin Siebert	Cooper Environmental - GL	93252
11/20/12	Kevin Siebert	Providence Milwaukie - Medical	90312

Monthly Licensing Training Report

Month: *December*

Areas Covered: Reading NUREG 1556, Volume 1, started reviewing licensing practices and procedures course, reviewed various licenses before going on inspections with RML inspectors, reviewed RML license fees, reviewed portable gauge license application and general application, started reading 102, renewals with Nancy.

Topics Discussed:

12/4/12: (Meeting Day) Met with Sylvia and went over the basics of licensing: New Applications and Amendments.

12/11/12: Radiopharmaceutical asking for amendment for having only one test source for dose calibrator (our rules state that they must have 2 sources). Sylvia showed me how she researches our rules and NRC rules, and the manufacturer instructions. Also Sylvia showed me a Reciprocity for a Portable Gauge that is registered in the State of Washington. Sylvia suggested to focus on NUREG 1556 Volume 1 with Revision (Portable Gauges).

12/18/12: Reviewed a new license file with Sylvia. Sylvia went over the database and the RML files. Learned to look at the notes section and to see if an amendment is pending before completing an inspection. Reviewed the Checklist Form that Sylvia uses. Reviewed these forms with Sylvia: Medical/Broadscope Performance Eval Checklist, Limited Review, Checklist that Ensures RM is used as Intended. Reviewed amendment for 91096, and found the correspondence that was needed for the inspection that I shadowed with Kevin. Worked on reading sections in NUREG 1556 Volume 1, and compared portable gauge files with database & requirements.

12/27/12: Met with Nancy and she went over her process for renewals and amendments. Met with Daryl, and he showed me the tracking system he has for instruments and sources.

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
12/13/12	Kevin Siebert	Arclin Surfaces - FG	91096
12/13/12	Rich Beauman	OHA - RPS	90269
12/20/12	Kevin Siebert	Glenwood - Vet	90925

Monthly Licensing Training Report

Month: *January*

Areas Covered: Reading OAR 102, 103, 105, & 117, Reviewed various licenses that have been completed or are in various stages, Reviewed licenses before going on inspections with RML inspectors, Reviewed new portable gauge license application and compared it to the old application.

Topics Discussed:

1/4/13: Met with Sylvia and reviewed 90785 & 93200. Reviewed how to terminate a licensee (started a small checklist for how to terminate a facility). Used the licensing Action Tab and entered in my initials for the first time. Completed a peer review on the files listed above. Completed all calibration due dates on the Lab calendar.

1/11/13: Reviewed RML database and looked over the list of Open Licenses. Reviewed OAR 102 & 103.

1/25/13: Reviewed OAR 117 & 103. Nancy reviewed an example of an amendment with me. Sylvia reviewed question about IC facilities. She referred me to the IC toolbox, which I was able to sift through. I reviewed an IC licensee. Sylvia showed me how to print out Report 11, Open Licenses. She wants me to track the fixed and portable gauges for now.

1/29/13: Reviewed facility 91153 (Fixed Gauge). This is a new license, so I was able to see all of the correspondence that lead up to the actual license. I had some questions for Sylvia regarding the training requirements and the definition of a tie down. Review of these files (all portable gauges): 91037. Today the OWL inspection was cancelled, so it will be completed in the next couple weeks.

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
1/9/13	Kevin Siebert	Medical	90293

Monthly Licensing Training Report

Month: *February*

Areas Covered: Reviewing various types of files, working in the RML database with actual files, completing peer reviews, and first reviews. Completed amendments and renewals this month with Sylvia. Completed a couple inspection shadow trips this month.

Topics Discussed:

2/1/13: Reviewing Portable Gauge files and looking at the Open license report to see how each amendment/renewal is completed.

2/5/13: Kevin showed me the disposal record for one of the inspections we completed. He also showed me how he was able to enter in the disposal information and which state the RAM was transferred to.

2/8/13: Reading OAR 116. Completed an amendment request with Sylvia for facility 90985. Sylvia had me complete the license change and had me go through the process in the database. This was very helpful to see the process for a simple amendment request. I took notes on how to complete an amendment.

2/12/13: Worked on tracking some files Sylvia gave me.

2/15/13: Read OAR 117. Sylvia gave me these files to explain to her how I would start out the review process: 91104, 90497, 91096, 91073.

2/22/13 Met with Sylvia to go over the files I had reviewed, and she had me start drafts for amendments and work in the database.

2/26/13: Working with some more files: 90832, 90140, and 91114, and completing correspondence with licensees, amendments and renewals.

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
2/13/13	Kevin Siebert	GL	90769
2/14/13	Kevin Siebert	PG	90605
2/28/13	Kevin Siebert	Medical	90293

Monthly Licensing Training Report

Month: *March*

Areas Covered: Attended NRC G-109 Licensing Course March 11-15. Reviewing amendments and completing reviews of amendments and renewals with Sylvia.

Topics Discussed:

3/5/13: RML meeting, no licensing work today.

3/7/13: Completed working on renewals and amendments, and signed them out to Sylvia before I left for my training trip.

3/11/13 – 3/15/13: Attended NRC G-109 Licensing Course.

3/19/13 – 3/20/13: Completed OHSU inspection with Daryl.

3/22/13: Completed amendment for 90497 with Sylvia's peer review, completed amendment 90818 with Sylvia's peer review.

3/26/13: Reviewed a couple licenses with Sylvia, and went over some questions regarding training.

3/27/13: Meeting with Bayer

3/29/13: Completed licensing reviews on several files Sylvia gave me. Completed drafts of licenses for Sylvia's review. Sylvia gone today. Completed several emails and one phone call regarding questions on licenses.

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
3/19/13 – 3/20/13	Daryl Leon	Medical	90013

Monthly Licensing Training Report

Month: *April*

Areas Covered: Working on licenses independently with Sylvia peer review. Began writing protocols for specific areas of licensing and creating checklists to use. Worked on Industrial Radiography licensee files. Working on forms for RML.

Topics Discussed:

4/2/13: RML meeting. Broadscope presentation by Sylvia.

4/5/13: Worked on licenses with Sylvia, and had peer review.

4/9/13: Worked on licenses, and created a list of all files/licensees that I have been working on.

4/12/13: Peer review with Sylvia.

4/16/13: Worked on licensing and called several licensees to wrap up licensing actions still waiting.

4/17/13: Completed 90391 inspection with Kevin.

4/18/13: Worked on renewals and termination, since I received some info from the licensees.

4/23/13: Meeting with Bayer.

4/26/13: Called 90619, 90651, 90385 to get information regarding amendments/renewals.

4/30/13: Met with Sylvia and went over licensees that needed peer review. ERT Training Day the entire day.

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
4/17/13	Kevin	Distribution	90391

Monthly Licensing Training Report

Month: *May*

Areas Covered: Working on more renewals, portable gauge amendments, fixed gauge amendments, radiographer amendments, terminations. Corresponded with a medical licensee while Sylvia was out of town, and gave them application and NUREG to look over. Worked on a termination file that needed some more assistance on getting their wipe test completed. Learned internal policy of 90 days for licensing actions before terminating the action. Worked with IC licensees, and followed SUNSI. Signed off to independently work alone on reciprocity.

Topics Discussed:

5/7/13: Worked on licensing actions while going to other meetings.

5/9/13: RML meeting day. Reviewed licensing actions past 90 days and internal policy.

5/10/13: Caught up with Sylvia, and had her peer review several licenses. Sylvia asked me if I wanted to work on my own at this time with licensing. I wanted to have some more peer review until June.

5/14/13: Sylvia out of town, worked independently on licensing actions. Received a request for 96147 reciprocity renewal, and completed this renewal without Sylvia. Daryl peer reviewed the renewal and Todd authorized that I completed this renewal.

5/15/13: Completed 90847 inspection with Kevin.

5/17/13: Sylvia out of town, worked independently on licensing actions. Put peer reviews into her box for when she returns to work the following week.

5/20/13: CRCPD Conference: Attended MR & Cobalt-60 Therapy Device lecture. This is a new device that is on the market, that in licensing we may see in the next few years. Currently going through NRC review, and there are challenges with the licensing side.

5/21/13: CRCPD Conference: Permanent Implant Brachytherapy and HDR Medical Events lectures.

5/22/13: Licensing drafts/reviews completed, and ready for peer review.

5/28/13: Met with Sylvia, and reviewed several licensing actions, peer reviewed. Approved to complete reciprocity renewals on my own at this time.

5/30/13: Worked on 2 expedited licenses, to get them completed by 5/31/13.

5/31/13: Reviewed the 2 expedited licenses with Sylvia, and then completed them.

Shadowed Inspections:

Date	Inspector Shadowed	Type of Inspection	RML License #
5/15/13	Kevin	Distribution	90847

Attachment #4 RPS Training Program

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
Wendt, Richard	<i>16-Hour Radon Measurement Operators Cours</i>	10/8/2012
	<i>24-Hour Radon Mitigation Course</i>	10/10/2012
	<i>A Review of Ethics for Radiologic Technologist</i>	7/30/2012
	<i>Advanced ICS Command and Gen Staff</i>	11/28/2011
	<i>Air/Ground Sampling, ICS, Exercise</i>	9/27/2011

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
	<i>All Hazard Mobile Lab Drivers Training</i>	9/11/2012
	<i>Chronic Obstructive Pulmonary Disease</i>	2/14/2012
	<i>Columbia Crest Terrorism Training</i>	9/7/2011 9/21/2011
	<i>Command & General Staff Functions for Local</i>	12/2/2011
	<i>CR/DR Acceptance Session 1</i>	2/13/2012
	<i>CR/DR Acceptance Testing Session 2</i>	2/15/2012
	<i>CR/DR Acceptance Testing Session 4</i>	2/22/2012
	<i>Diagnosis & Treatment of Scaphoid Fractures</i>	2/14/2012
	<i>Domestic Violence</i>	2/14/2012
	<i>Driver Safety Training Course</i>	9/14/2011
	<i>Emergency Management of Radiation Accident</i>	9/24/2012
	<i>Emotional Intelligence in Health Care</i>	5/14/2012
	<i>Ergonomics in Radiology</i>	7/30/2012
	<i>Essentials of Human Resource Management</i>	7/17/2012
	<i>Field ERT Prop Counter Ops and Air Flow Cal</i>	4/4/2013
	<i>Imaging of the Injured Shoulder</i>	5/14/2012

<i>Employee Name</i>	<i>Course Name</i>	<i>Course Date</i>
	<i>Imaging Rheumatic Diseases</i>	11/16/2012
	<i>Inspection Procedures Course</i>	3/5/2012
	<i>Intermediate ICS for Expanding Incidents</i>	11/28/2011
	<i>Introductory Health Physics</i>	11/14/2011
	<i>Licensing Practices and Procedures</i>	3/12/2012
	<i>Living the Core Values</i>	9/29/2011
	<i>Maintaining a Professional Workplace</i>	9/21/2011
	<i>Managing Transition to a Hybrid Operating Ro</i>	7/30/2012
	<i>Nuclear/Radiological Incident Annex</i>	4/25/2013
	<i>OR Society of Radiologic Techs Annual Meeting</i>	4/12/2013
	<i>Oregon HazMat Radiological Training Course</i>	4/9/2013
	<i>Radiation Safety for Radiologic Technologists</i>	11/16/2012
	<i>RAP 8 Training</i>	12/5/2012
	<i>REP Core Concepts Course</i>	5/6/2012
	<i>Safety Aspects of Industrial Radiography</i>	10/15/2012

Employee Name

Course Name Course Date

Wahab, Emal

<i>Air/Ground Sampling, ICS,</i>	9/27/2011
<i>Airborne Radiological Material</i>	2/4/2010
<i>Basic Health Physics Course</i>	8/3/2009
<i>Columbia Crest Terrorism</i>	9/7/2011
	9/21/2011
<i>Diagnostic and Therapeutic</i>	3/22/2010
<i>ERT Exercise Preparation</i>	9/26/2011
<i>FBI/DOH Exercise</i>	12/15/2010
<i>Field Instrument Air Sampling</i>	5/3/2011
<i>Field Sampling and PPE</i>	5/12/2011
<i>Hazmat Certification</i>	3/15/2007
<i>Inspection Procedures Course</i>	4/14/2008
<i>Interagency Terrorism Drill</i>	9/29/2011
<i>Interagency WMD Exercise</i>	2/7/2011
<i>Licensing Practices and</i>	3/14/2011
<i>Navy Spent Fuel</i>	8/24/2011
<i>Nuclear Guage Safety Training</i>	3/14/2007
<i>OR HazMat Radiological</i>	4/14/2009
<i>PPE and Respiratory Protection</i>	5/5/2010

<i>Radiation Safety Officer Class</i>	3/15/2007
<i>REAC/TS</i>	8/28/2007
<i>Respiratory Fitness and Annual</i>	1/4/2011
<i>Respiratory Fitness and Annual</i>	1/4/2010
<i>Respiratory Protection</i>	2/9/2012
<i>Root Cause Analysis Workshop</i>	9/14/2009
<i>Suntanning National</i>	10/14/2006
<i>Training Course for Rad Lab</i>	3/9/2009
<i>Understanding Digital</i>	10/28/2006
<i>WMD/Nuclear Responder</i>	6/21/2010

MATERIALS HEALTH PHYSICS INSPECTOR
Oregon RPS INSPECTOR QUALIFICATION JOURNAL

This Oregon Radiation Protection Services Inspector Qualification Journal implements NRC Manual Chapter 1246, Appendix A, Section II, by establishing the minimum training requirements for personnel assigned to independently perform safety inspections at materials facilities. The Oregon RPS Qualification Journal provides documentation to show that minimum requirements are met for each inspector.

The Oregon RPS Inspector Qualification Journal consists of a series of qualification guides and supervisory signed verifications. Each verification is used to document task completion, as indicated by the appropriate signature blocks. The corresponding qualification guide establishes the minimum knowledge levels or areas of study that must be completed for each inspection type.

Most of the qualification guides are divided into sections. The review sections of the qualification guides identify references with general application to the inspector's qualification. The inspector is expected to have a general familiarity with these references. Other sections of the qualification guides identify specific references that have direct application to an inspection discipline. The inspector is expected to demonstrate detailed knowledge of the inspection discipline specific references. In order to support the review of upper tier documents, programs, and policies, the inspector's first line supervisor will assign one or more specific license types as reference facilities. The selection of a reference facility is intended to provide the inspector's management with the ability to tailor the qualification process to the experience and training level of the inspector, and to meet the inspection standards of the NRC. The use of specific real world material will reinforce the qualification process.

Reference MC1246, APPENDIX B II-2 Issue Date: 01/05/01

INSPECTOR QUALIFICATION JOURNAL

| OHA/PHD/OEPH Materials Health Physics Inspector Qualification Summary

Name	Title	Superv.	Cert Date	License Types
Wahab, Emal	Health Physicist	DL	9-9-11	PG/FG/GL
				IR (Fixed/Field)
				Medical Imaging
				Medical Therapy
				Well Logging

- General Licensee Inspection Protocol
- Industrial Radiography (Fixed/Field) Inspection Protocol
- Medical Imaging/Nuclear Medicine Licensee Inspection Protocol
- Medical Brachytherapy/HDR/Teletherapy Licensee Inspection Protocol
- R&E/Broad Scope A, B and C Licensee Inspection Protocol
- NORM Licensee Inspection Protocol
- Nuclear Pharmacy/Cyclotron Isotope Production Licensee Inspection Protocol
- Veterinary Medicine Radioisotope Therapy Licensee Inspection Protocol
- Source Material Licensee Inspection Protocol
- RAM/NOS Licensee Inspection Protocol
- Well Logging Licensee Inspection Protocol

First Line Supervisor

4. Regulatory Guidance (As appropriate from NRC Regulatory Guides) _____

First Line Supervisor

5. NRC Inspection Manual (Orientation related to Oregon RPS Inspection Protocols and data forms)

| Chapters (MC) First Line Supervisor

6. Industry Codes and Standards _

MC 1246

MC 2800

ISO Standards

ANSI Standards

OR-OSHA Requirements

Lead Worker

~~First Line Supervisor~~

7. Inspection Accompaniments



Signature

9-9-11
Date

Initial Training period Peer/Supervisor accompaniments:

Inspector	Peer/Supervisor	License Type	License No.	Date(s)
Emal Wahab	Daryl Leon	PG	90401	2-9-11
		Basic/PG-XRF	90027	3-7-11
		GL	93189	3-8-11
		Fixed IR/IC	90728	6-9-11
		PG	91004	7-13-11
		FG	90296	7-14-11
		PG (Investigation)	91120	9-1-11

Annual/Periodic Supervisor accompaniment Record:

Inspector	Supervisor	License Type	License No.	Date(s)
	<i>None - inspector resigned in March 2012</i>			
				

Training Coordinator

4. Health Physics Technology Course (H-201)

Training Coordinator

5. Diagnostic and Therapeutic Nuclear Medicine Course (H-304)

March, 2010

Training Coordinator

6. Safety Aspects of Industrial Radiography Course (H-305)

September, 2009

Training Coordinator

7. Teletherapy and Brachytherapy Course (H-313)

Training Coordinator

8. Transportation of Radioactive Materials Course (H-308)

(NRC) June, 2006

Training Coordinator

B. SPECIALIZED TRAINING

Other specialized training courses required for inspectors performing inspection activities in specific areas:

Course Title Course # Initials Date

Licensing Procedures (G-109) March 2011

Supervisor Training Coordinator

Basic Health Physics Technology (H-122) August 2009

Supervisor Training Coordinator

Fundamentals of Analytical Radiochemistry April 2011

Supervisor Training Coordinator

Supervisor Training Coordinator

Attachment 1 - RPS Inspector Training Guidance/NRC References

NRC/RPS Orientation

A. Site Orientation

1. The qualifying individual should read and complete, as appropriate, the forms for processing into the Oregon Radiation Protection Services:
2. The First Line Supervisor should orient the qualifying individual to the facility as follows:
 - a. Tour the facility and introduce the qualifying individual to the staff
 - b. Indicate to the qualifying individual the location of controlled documents, reference material, supplies, office equipment, etc.

B. NRC/RPS Organization

1. The qualifying individual should review and become familiar with the following, as appropriate:
 - a. Organizational charts of NRC and Oregon RPS section
 - b. Role of NRC and Oregon OHA as regulatory agencies
 - (1) 10 CFR Part 1 (Organization)
 - (2) Atomic Energy Act of 1954, as amended
 - (3) Energy Reorganization Act of 1974, as amended

- (4) NRC Enforcement Policy (NUREG 1600)
- (5) Incident Response Plan (NUREGs 0728 and 0845)
- (6) Energy Policy Act of 1992

2. The Supervisor should discuss NRC/RPS organizations and role with the qualifying individual to ensure the individual has a full understanding of RPS's organization and mission as an Oregon OHA/RPS inspector.

Code of Federal Regulations (CFR)

A. A selection of currently applicable CFR Parts should be made by the First Line Supervisor. The selection should include the references listed below and be documented. The qualifying individual should be expected to have a general knowledge of the topics addressed in the references. This review may be accomplished by self-study, study quizzes, briefings, or discussions.

- | 1. 10 CFR Part 1 Statement of organization and general information
- | 2. 10 CFR Part 2 Rules of practice for domestic licensing proceedings and issuance of orders
- | 3. 10 CFR Part 9 Public Records
- | 4. 10 CFR Part 19 Notices, instructions and reports to workers; inspections
- | 5. 10 CFR Part 20 Standards for protection against radiation
- | 6. 10 CFR Part 21 Reporting of defects and noncompliance
- | 7. 10 CFR Part 25 Access authorization for licensee personnel
- | 8. 10 CFR Part 26 Fitness for duty programs
- | 9. 10 CFR Part 30 Rules of general applicability to domestic licensing of byproduct material
- | 10. 10 CFR Part 31 General domestic licenses for byproduct material
- | 11. 10 CFR Part 32 Specific domestic licenses to manufacture or transfer certain items containing byproduct material
- | 12. 10 CFR Part 33 Specific domestic licenses of broad scope for byproduct material
- | 13. 10 CFR Part 34 Licenses for radiography and radiation safety requirements for radiographic operations
- | 14. 10 CFR Part 35 Medical use of byproduct material
- | 15. 10 CFR Part 36 Licenses and radiation safety requirements for irradiators
- | 16. 10 CFR Part 39 Licenses and radiation safety requirements for well logging
- | 17. 10 CFR Part 40 Domestic licensing of source material
- 18. 10 CFR Part 61 Licensing requirements for land disposal of radioactive waste
- 19. 10 CFR Part 70 Domestic licensing of special nuclear material
- 20. 10 CFR Part 71 Packaging and transportation of radioactive material
- 21. 10 CFR Part 110 Export and import of nuclear equipment and material
- 22. 10 CFR Part 150 Exemptions and continued regulatory authority in agreement states and in offshore waters under section 274

Employee Name

Course Name

Course Date

Howe, David

<i>A General Overview of Public</i>	8/20/2012
<i>Advanced ICS Command and</i>	7/16/2012
<i>Air/Ground Sampling, ICS,</i>	9/27/2011
<i>Airborne Radiological Material</i>	2/4/2010
<i>An Intro to the PHAB</i>	8/21/2012
<i>Columbia Crest Terrorism</i>	9/7/2011
<i>Creating a Legal Work</i>	6/25/2008
<i>Delivering Communications</i>	6/5/2008
<i>Full Scale CGS Exercise</i>	8/30/2010
<i>ICS-300</i>	2/8/2010
<i>Inspection Procedures Course</i>	4/14/2008
<i>Introduction to Project</i>	4/9/2008
<i>Leadership Academy</i>	9/1/2009
<i>MERRTT Train the Trainer</i>	10/5/2010
<i>NRC Security Increased</i>	4/27/2009
<i>OR HazMat Radiological</i>	4/14/2009
<i>Radiation Safety Officer</i>	

Employee Name

Course Name

Course Date

		6/16/2008
<i>Radiation Use and Safety</i>		
		5/2/2008
<i>REAC/TS</i>		
		8/28/2007
<i>Respiratory Fitness and Annual</i>		
		1/4/2010
<i>Response Team Operations</i>		
		6/7/2013
<i>Root Cause Analysis Workshop</i>		
		3/17/2008
<i>SAE Basic Associate National</i>		
		10/18/2008
<i>The Nuts and Bolts of the PHAB</i>		
		8/21/2012
<i>Understanding the PHAB</i>		
		8/21/2012
<i>WMD/Nuclear Responder</i>		
		6/21/2010

Jaqua, Matt

<i>Air/Ground Sampling, ICS,</i>		
		9/27/2011
<i>All Hazard Mobile Lab Drivers</i>		
		9/11/2012
<i>CGS Dress rehearsal</i>		
		7/19/2010
<i>CGS Dress Rehearsal Drill</i>		
		7/20/2010
<i>Columbia Crest Terrorism</i>		
		9/7/2011
		9/21/2011
<i>CR/DR Acceptance Session 1</i>		
		2/13/2012



NRC Priority List Inspections

Priorities: 1, 2, 3 Includes Specific, InVitro, General

Inspected 9/1/2009 To 7/23/2013

Statuses: Active



Run Date: 7/24/2013

Run Time: 8:03

License #	Licensee	Type	NRC Priority
90056	Professional Service Industries, Inc.	Industrial Radiography - Field Sites	1
Inspections:	Date	Type	Inspector
	2/12/2010	Complete	KHS
	2/24/2010	Field	KHS
	4/14/2011	Complete	KHS
	6/26/2012	Complete	DAL
	4/18/2013	Complete	KHS
90621	Acuren Inspection, Inc.	Industrial Radiography - Field Sites	1
Inspections:	Date	Type	Inspector
	4/20/2010	Complete	KHS
	6/27/2011	Complete	KHS
	9/26/2012	Complete	RLB
90651	International Inspection, Inc.	Industrial Radiography - Field Sites	1
Inspections:	Date	Type	Inspector
	3/25/2010	Complete	DAL
	6/24/2011	Complete	DAL
	9/13/2012	Complete	KHS
149	Oregon Washington Laboratories	Industrial Radiography - Field Sites	1
Inspections:	Date	Type	Inspector
	7/3/2012	Pre-Licensing Visit	KHS
	2/12/2013	Complete	DAL
Total Priority 1 Inspections: 13			
90008	Legacy Good Samaritan Medical Center	Brachytherapy (OAR 333-116-420)	2
Inspections:	Date	Type	Inspector
	6/16/2010	Complete	JIS
	3/22/2012	Complete	RLB
90013	Oregon Health & Science University	Broad Scope A - Medical	2
Inspections:	Date	Type	Inspector
	9/17/2009	Investigation	JIS
	11/15/2010	Complete	JIS
	2/10/2012	Complete	KHS
	3/20/2013	Complete	DAL
90053	Providence Health & Services-Oregon	Brachytherapy (OAR 333-116-420)	2
Inspections:	Date	Type	Inspector
	6/14/2011	Complete	KHS
	7/1/2013	Complete	RLB
90104	Providence Health & Services-Oregon	Brachytherapy (OAR 333-116-420)	2
Inspections:	Date	Type	Inspector
	1/13/2010	Complete	KHS
	6/27/2012	Complete	KHS



NRC Priority List Inspections

Priorities: 1, 2, 3 Includes Specific, InVitro, General
Inspected 9/1/2009 To 7/23/2013
Statuses: Active



Run Date: 7/24/2013
Run Time: 8:03

License #	Licensee	Type	NRC Priority
90232	PCC Structurals, Inc.	Broad Scope A - Industrial	2
Inspections:	Date	Type	Inspector
	3/23/2010	Complete	DAL
	4/20/2012	Complete	DAL
90293	Legacy Meridian Park Medical Center	Radiopharmaceutical Therapy	2
Inspections:	Date	Type	Inspector
	4/13/2010	Complete	JIS
	2/28/2013	Complete	KHS
90354	PCC Structurals, Inc.	Source Material	2
Inspections:	Date	Type	Inspector
	3/23/2010	Complete	DAL
	4/20/2012	Complete	DAL
90509	Cardinal Health Nuclear Pharmacy Services	Nuclear Pharmacy	2
Inspections:	Date	Type	Inspector
	9/22/2009	Complete	JIS
	6/30/2010	Complete	JIS
	9/29/2011	Complete	DAL
	11/21/2012	Complete	RLB
90702	Triad Isotopes, Inc.	Nuclear Pharmacy	2
Inspections:	Date	Type	Inspector
	5/19/2010	Complete	JIS
	8/11/2011	Complete	KHS
	10/12/2012	Complete	RLB
90703	Cardinal Health	Nuclear Pharmacy	2
Inspections:	Date	Type	Inspector
	9/30/2009	Complete	KHS
	12/28/2010	Complete	KHS
	3/27/2012	Complete	KHS
	1/29/2013	Complete	KHS
90728	TDY Industries, LLC	Industrial Radiography - Fixed Site	2
Inspections:	Date	Type	Inspector
	3/12/2010	Complete	DAL
	6/9/2011	Complete	DAL
	8/13/2012	Complete	KHS
90789	Oncology Associates of Oregon	Brachytherapy (OAR 333-116-420)	2
Inspections:	Date	Type	Inspector
	11/12/2010	Complete	JIS
	10/15/2012	Complete	KHS



NRC Priority List Inspections

Priorities: 1, 2, 3 Includes Specific, InVitro, General
 Inspected 9/1/2009 To 7/23/2013
 Statuses: Active



Date: 7/24/2013
 Run Time: 8:03

License #	Licensee	Type	NRC Priority
90790	Legacy Good Samaritan Hospital	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	6/17/2010 Complete	JIS	
	6/28/2012 Complete	RLB	
90862	Oncology Associates of Oregon	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	7/28/2011 Complete	KHS	
	3/20/2013 Complete	KHS	
90927	PETNET Solutions, Inc.	Nuclear Pharmacy	2
Inspections:	Date Type	Inspector	
	12/15/2009 Complete	KHS	
	6/15/2010 Complete	JIS	
	8/25/2011 Complete	KHS	
	11/7/2012 Complete	KHS	
90946	Providence Health & Services-Oregon	Gamma Knife/Teletherapy-External Beam	2
Inspections:	Date Type	Inspector	
	2/25/2010 Complete	JIS	
	3/20/2012 Complete	KHS	
91006	Salem Hospital	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	2/16/2011 Complete	KHS	
	1/28/2013 Complete	KHS	
91014	Providence Health & Services-Oregon	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	9/19/2011 Complete	KHS	
91035	Providence Health & Services-Oregon	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	10/27/2009 Complete	KHS	
	11/16/2011 Complete	DAL	
91048	Tuality/OHSU Cancer Center	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	3/16/2010 Complete	KHS	
	5/10/2012 Complete	KHS	
91054	PeaceHealth Sacred Heart Medical Center	Gamma Knife/Teletherapy-External Beam	2
Inspections:	Date Type	Inspector	
	10/27/2009 Complete	JIS	
	3/28/2012 Complete	KHS	
91091	Providence Health & Services-Oregon	High Doserate Afterloader Brachytherapy	2
Inspections:	Date Type	Inspector	
	8/17/2011 Complete	KHS	



NRC Priority List Inspections



Priorities: 1, 2, 3 Includes Specific, InVitro, General
Inspected 9/1/2009 To 7/23/2013

Statuses: Active

Run Date: 7/24/2013
Run Time: 8:03

License #	Licensee	Type	NRC Priority
91121	Compass Oncology	High Doserate Afterloader Brachytherapy	2
Inspections:	Date	Type	Inspector
	12/17/2009	Initial - Complete	JIS
	3/15/2012	Complete	KHS
91124	Mid-Columbia Medical Center	High Doserate Afterloader Brachytherapy	2
Inspections:	Date	Type	Inspector
	4/9/2010	Complete	JIS
	4/24/2012	Complete	RLB
91155	Legacy Good Samaritan Medical Center	Gamma Knife/Teletherapy-External Beam	2
Inspections:	Date	Type	Inspector
	1/9/2013	Pre-Licensing Visit	KHS
Total Priority 2 Inspections: 57			
90005	Oregon State University	Broad Scope A - Academic	3
Inspections:	Date	Type	Inspector
	2/16/2010	Complete	JIS
	8/14/2012	Complete	KHS
010	Reed College	Broad Scope A - Academic	3
Inspections:	Date	Type	Inspector
	12/21/2010	Complete	DAL
	10/18/2012	Complete	RLB
90014	Legacy Emanuel Medical Center	Brachytherapy (OAR 333-116-420)	3
Inspections:	Date	Type	Inspector
	10/14/2010	Complete	KHS
	12/17/2012	Complete	KHS
90064	Asante Rogue Regional Medical Center	Brachytherapy (OAR 333-116-420)	3
Inspections:	Date	Type	Inspector
	11/17/2009	Complete	JIS
	12/13/2011	Complete	DAL
90126	Kaiser Permanente Northwest	Brachytherapy (OAR 333-116-420)	3
Inspections:	Date	Type	Inspector
	5/21/2010	Complete	JIS
	3/19/2012	Complete	KHS
90151	Salem Hospital	Radiopharmaceutical Therapy	3
Inspections:	Date	Type	Inspector
	7/11/2011	Complete	DAL
	5/14/2013	Complete	KHS
90158	Portland Adventist Medical Center	Brachytherapy (OAR 333-116-420)	3
Inspections:	Date	Type	Inspector
	11/9/2010	Complete	JIS
	1/24/2013	Complete	DAL



NRC Priority List Inspections

Priorities: 1, 2, 3 Includes Specific, InVitro, General
 Inspected 9/1/2009 To 7/23/2013
 Statuses: Active



Run Date: 7/24/2013
 Run Time: 8:03

License #	Licensee	Type	NRC Priority
90202	Good Samaritan Regional Medical Center	Radiopharmaceutical Therapy (OAR 333-116-360)	3
Inspections:	Date	Type	Inspector
	4/19/2011	Complete	KHS
	3/19/2013	Complete	KHS
90220	University of Oregon	Broad Scope A - Academic	3
Inspections:	Date	Type	Inspector
	10/19/2010	Complete	JIS
	10/17/2012	Complete	KHS
90243	St. Charles Health System	Radiopharmaceutical Therapy (OAR 333-116-360)	3
Inspections:	Date	Type	Inspector
	10/20/2010	Complete	JIS
	10/24/2012	Complete	RLB
90248	Providence Health & Services-Oregon	Radiopharmaceutical Therapy	3
Inspections:	Date	Type	Inspector
	10/27/2009	Complete	KHS
	11/16/2011	Complete	DAL
90269	OHA Public Health Division	Unique	3
Inspections:	Date	Type	Inspector
	12/30/2009	Complete	DAL
	12/19/2012	Complete	RLB
90270	PeaceHealth Sacred Heart Medical Center	Radiopharmaceutical Therapy	3
Inspections:	Date	Type	Inspector
	10/28/2009	Complete	JIS
	3/27/2012	Complete	KHS
90283	Tuality Community Hospital	Radiopharmaceutical Therapy	3
Inspections:	Date	Type	Inspector
	11/9/2010	Complete	KHS
	12/18/2012	Complete	DAL
90294	Providence Health & Services-Oregon	Radiopharmaceutical Therapy	3
Inspections:	Date	Type	Inspector
	12/29/2010	Complete	KHS
	12/12/2012	Complete	KHS
90312	Providence Health & Services-Oregon	Radiopharmaceutical Therapy (OAR 333-116-360)	3
Inspections:	Date	Type	Inspector
	10/12/2010	Complete	KHS
	11/20/2012	Complete	KHS
90317	Three Rivers Medical Center	Radiopharmaceutical Therapy (OAR 333-116-360)	3
Inspections:	Date	Type	Inspector
	4/20/2011	Complete	KHS
	3/27/2013	Complete	KHS



NRC Priority List Inspections

Priorities: 1, 2, 3 Includes Specific, InVitro, General

Inspected 9/1/2009 To 7/23/2013

Statuses: Active



Page 6 of 7

Run Date: 7/24/2013

Run Time: 8:03

License #	Licensee	Type	NRC Priority
90321	Mid-Columbia Medical Center	Radiopharmaceutical Therapy	3
Inspections:	Date Type	Inspector	
	7/18/2011 Complete	DAL	
90343	Columbia Memorial Hospital	Radiopharmaceutical Therapy (OAR 333-116-360)	3
Inspections:	Date Type	Inspector	
	9/13/2011 Complete	DAL	
90358	Bay Area Hospital	Brachytherapy (OAR 333-116-420)	3
Inspections:	Date Type	Inspector	
	9/28/2010 Complete	KHS	
	7/19/2012 Complete	DAL	
90367	Saint Alphonsus Medical Center-Ontario, Inc.	Brachytherapy (OAR 333-116-420)	3
Inspections:	Date Type	Inspector	
	7/20/2011 Complete	DAL	
	4/24/2013 Complete	KHS	
90373	Mercy Medical Center, Inc.	Radiopharmaceutical Therapy	3
Inspections:	Date Type	Inspector	
	3/23/2010 Complete	JIS	
	9/20/2012 Complete	DAL	
90422	Community Cancer Center	Therapy-Private/QMP Required	3
Inspections:	Date Type	Inspector	
	6/30/2010 Complete	BAW	
	10/16/2012 Complete	KHS	
90442	Sky Lakes Medical Center, Inc.	Radiopharmaceutical Therapy	3
Inspections:	Date Type	Inspector	
	7/28/2010 Complete	JIS	
	10/16/2012 Complete	DAL	
90510	St. Charles Health System	Radiopharmaceutical Therapy	3
Inspections:	Date Type	Inspector	
	7/13/2011 Complete	KHS	
	5/29/2013 Complete	RLB	
90712	Willamette Valley Medical Center, LLC	Imaging and Localization	3
Inspections:	Date Type	Inspector	
	9/20/2012 Complete	KHS	
90731	Oregon Health & Science University	Broad Scope A - Academic	3
Inspections:	Date Type	Inspector	
	1/27/2010 Complete	KHS	
	4/13/2012 Complete	DAL	



NRC Priority List Inspections

Priorities: 1, 2, 3 Includes Specific, InVitro, General

Inspected 9/1/2009 To 7/23/2013

Statuses: Active



Date: 7/24/2013

Run Time: 8:03

License #	Licensee	Type	NRC Priority
90990	Samaritan Lebanon Community Hospital	Radiopharmaceutical Therapy (OAR 333-116-360)	3
Inspections:	Date	Type	Inspector
	1/24/2011	Complete	KHS
	2/20/2013	Complete	KHS
91039	ISOSCAN, LLC	Mobile Nuclear Medicine - P.E.T. Imaging	3
Inspections:	Date	Type	Inspector
	5/14/2010	Complete	JIS
	11/9/2012	Complete	DAL
91045	Alliance HealthCare Services, Inc.	Mobile Nuclear Medicine - P.E.T. Imaging	3
Inspections:	Date	Type	Inspector
	7/29/2010	Complete	JIS
	11/28/2012	Complete	KHS
91058	RCOA Imaging Services, Inc.	Mobile Nuclear Medicine - P.E.T. Imaging	3
Inspections:	Date	Type	Inspector
	3/9/2010	Complete	KHS
	5/17/2012	Complete	KHS
91148	SHS Mobile PET/CT	Mobile Nuclear Medicine - P.E.T. Imaging	3
Inspections:	Date	Type	Inspector
	11/27/2012	Initial - Complete	KHS

Total Priority 3 Inspections: 60

Grand Total Inspections: 61



Reciprocity History Detail



Run Date: 7/24/2013
Run Time: 8:15

From: 9/1/2009 To 12/31/2009
96s Only
Selected NRC Frequencies: 1, 2, 3

Page 1 of 1

License #	Name	Times in State	Inspected	NRC Freq
96058	Halliburton Energy Services	13		3
96078	ELEKTA Instruments, Inc.	1		2
96112	H&H X-Ray	1		1
96130	Mistras Services	2		1
96131	Northwest Inspection, Inc.	2		1
96161	US Ecology Texas, Inc.	2		2
96163	Oregon Washington Laboratories, L.L.C.	11	Yes	1
96189	Engineering & Testing Innovations, Inc.	7		1
Total Licenses:	8		Total of Frequencies	
Total Inspections:	1		1	5
Inspection Ratio:	12.50%		2	2
			3	1
			5	0



Reciprocity History Detail



Run Date: 7/24/2013
Run Time: 8:17

From: 1/1/2010 To 12/31/2010
96s Only
Selected NRC Frequencies: 1, 2, 3

License #	Name	Times in State	Inspected	NRC Freq
96058	Halliburton Energy Services	8		3
96078	ELEKTA Instruments, Inc.	5		2
96112	H&H X-Ray	1	Yes	1
96130	Mistras Services	10		1
96131	Northwest Inspection, Inc.	34		1
96155	DMS Health Technologies	1		3
96161	US Ecology Texas, Inc.	2	Yes	2
96163	Oregon Washington Laboratories, L.L.C.	50	Yes	1
96169	Thomas Gray & Associates, Inc./EMC	1		2
96189	Engineering & Testing Innovations, Inc.	23		1
96194	Northern Shared Medical Services	1		3
96195	Shaw Pipeline Services, Inc.	10		1
96197	Western Industrial X-Ray, Inc.	9		1
96199	Scientific Drilling International	1		3

Total Licenses:	14	Total of Frequencies	
Total Inspections:	3	1	7
Inspection Ratio:	21.43%	2	3
		3	4
		5	0



Reciprocity History Detail



Run Date: 7/24/2013

Run Time: 8:18

From: 1/1/2011 To 12/31/2011

96s Only

Page 1 of 1

Selected NRC Frequencies: 1, 2, 3

License #	Name	Times in State	Inspected	NRC Freq
96058	Halliburton Energy Services	2		3
96066	Schlumberger Technology Corp	1		3
96078	ELEKTA Instruments, Inc.	3		2
96112	H&H X-Ray	4		1
96130	Mistras Services	11		1
96131	Northwest Inspection, Inc.	29		1
96161	US Ecology Texas, Inc.	3		2
96163	Oregon Washington Laboratories, L.L.C.	153	Yes	1
96169	Thomas Gray & Associates, Inc./EMC	4		2
96189	Engineering & Testing Innovations, Inc.	12		1
96195	Shaw Pipeline Services, Inc.	10		1
96196	TEAM Industrial Services, Inc.	4		1
96208	Century Geophysical Corp.	1		3

Total Licensees:	13	Total of Frequencies	
Total Inspections:	1	1	7
Inspection Ratio:	7.69%	2	3
		3	3
		5	0



Reciprocity History Detail



Run Date: 7/24/2013
Run Time: 8:20

From: 1/1/2012 To 12/31/2012
96s Only
Selected NRC Frequencies: 1, 2, 3

Page 1 of 1

License #	Name	Times in State	Inspected	NRC Freq
96078	ELEKTA Instruments, Inc.	6		2
96112	H&H X-Ray	3		1
96130	Mistras Services	25	Yes	1
96131	Northwest Inspection, Inc.	17	Yes	1
96161	US Ecology Texas, Inc.	1		2
96163	Oregon Washington Laboratories, L.L.C.	54	Yes	1
96169	Thomas Gray & Associates, Inc./EMC	3		2
96189	Engineering & Testing Innovations, Inc.	21	Yes	1
96196	TEAM Industrial Services, Inc.	2		1
96210	Quality Control Inspection & Testing Laboratories	11	Yes	1
96214	Quality Inspection Services, Inc.	3		1

Total Licensees:	11	Total of Frequencies	
Total Inspections:	5	1	8
Inspection Ratio:	45.45%	2	3
		3	0
		5	0



Reciprocity History Detail



Run Date: 7/24/2013
Run Time: 8:23

From: 1/1/2013 To 7/23/2013
96s Only
Selected NRC Frequencies: 1, 2, 3

Page 1 of 1

License #	Name	Times in State	Inspected	NRC Freq
96058	Halliburton Energy Services	3	Yes	3
96078	ELEKTA Instruments, Inc.	2		2
96130	Mistras Services	9		1
96131	Northwest Inspection, Inc.	10		1
96169	Thomas Gray & Associates, Inc./EMC	3		2
96196	TEAM Industrial Services, Inc.	3	Yes	1
96210	Quality Control Inspection & Testing Laboratories	2		1
Total Licensees:			Total of Frequencies	
7			1	4
Total Inspections:			2	2
2			3	1
Inspection Ratio:			5	0
28.57%				

INSTRUMENT INFORMATION

MFG	TYPE	MODEL	S/N	CAL DATE	CAL DUE	USER	LOCATION
BICRON	uR	MicroRem	C015B	2/19/2013	2/19/2014	(n/a)	Mobile Response Lab, (HDER)
BICRON	uR	MicroRem	C017B	11/20/2012	11/20/2013	(n/a)	Rm 285, cabinet #3 (HDER)
CANBERRA	calibrator	FC2B	1.3E+08	2/6/2013	(n/a)	(n/a)	Rm 285, Lab RAM cabinet
CANBERRA	ECGM	URAD113	1077083	9/27/2012	9/27/2013	(extra)	Rm 285, blu file drawer
CANBERRA	ECGM	URAD113	11065371	9/27/2012	9/27/2013	MVC	Rm 640, desk
CANBERRA	ECGM	URAD113	1078414	9/27/2012	9/27/2013	(extra)	Rm 285, blu file drawer
CANBERRA	ECGM	URAD113	1078421	9/27/2012	9/27/2013	(extra)	Rm 285, cab 1 response team 1
CANBERRA	ECGM	URAD113	1078552	9/27/2012	9/27/2013	(extra)	Rm 285, cabinet #4
CANBERRA	ECGM	URAD113	1077784	9/27/2012	9/27/2013	(extra)	Rm 285, blu file drawer
CANBERRA	ECGM	URAD113	3071904	8/15/2008	8/15/2009	(extra)	Rm 285, file drawer (not functioning of 9-27-11)
CANBERRA	ECGM	URAD113	3072549	9/27/2012	9/27/2013	(extra)	Rm 285, blu file drawer
CANBERRA	ECGM	URAD + R/Y	130652001	3/5/2013	3/5/2014	KHS	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652002	3/5/2013	3/5/2014	CH	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652003	3/5/2013	3/5/2014	MU	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652004	3/5/2013	3/5/2014	DAL	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652005	3/5/2013	3/5/2014	SO	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652006	3/5/2013	3/5/2014	ML	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652007	3/5/2013	3/5/2014	RLB	Rm 640, desk
CANBERRA	ECGM	URAD + R/Y	130652008	3/5/2013	3/5/2014	RAW	Rm 640, desk
DOS. CORP	GM	3034-2	123285	4/21/2009	4/21/2010	(n/a)	Rm 285, cabinet #3, out of service
DOS. CORP	GM	3500	931091	1/13/2009	1/13/2010	(n/a)	Rm 285, cabinet #3, out of service
DOS. CORP	GM	3500	941091	7/14/2009	7/14/2010	(n/a)	Rm 285, cabinet #3, out of service
DOS. CORP	Dosim	1888B	4241090	4/21/2009	4/21/2010	(n/a)	Rm 285, cabinet #3, out of service
DOSITECH	Dosim	L36	201810	1/13/2011	1/13/2012	(n/a)	Rm 285, ODOE Hazmat Kit, cabinet #3 MISS
EBERLINE	I/C	RO-2A	730	2/15/2013	2/15/2014	(n/a)	Rm 285, cabinet #3
EBERLINE	I/C	PIC-6A	E2104	11/17/2012	11/17/2013	(n/a)	Rm 285, cabinet #4--ER Instrument Kit #2
EBERLINE	I/C	PIC-6A	2156	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
EBERLINE	I/C	PIC-6A	2187	7/17/2012	7/17/2013	(n/a)	Rm 285, cabinet #1--ER Instrument Kit #1
EBERLINE	I/C	RO-2A	2868	7/27/2012	7/27/2013	(n/a)	Rm 285, cabinet #3
EBERLINE	GM	E-120	11695	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
Exploranium	γ-spec	GR-130	9824+GM-1	(n/a)	(n/a)	(n/a)	Rm 285, Lab area
GAMMA IND	GM	252B	1910	4/18/2013	4/18/2014	(n/a)	Rm 285, cabinet #3
INOVISION	I/C	451B	6007	7/27/2012	7/27/2013	(n/a)	Rm 285, cabinet #3
INOVISION	I/C	451B	6069	11/17/2012	11/17/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	GM	3	3852	7/14/2010	7/14/2011	(n/a)	Rm 285, cabinet #3 (note: loan to PHL)
LUDLUM	GM	3	4678	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3 (note: rtn from PHL)
LUDLUM	GM	5	18239	2/15/2013	2/15/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	GM	5	36958	5/21/2013	5/21/2014	(n/a)	Rm 285, (lab desk)

Handwritten initials/signature

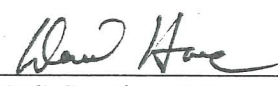

INSTRUMENT INFORMATION

MFG	TYPE	MODEL	S/N	CAL DATE	CAL DUE	USER	LOCATION
LUDLUM	GM	6	35564	5/13/2013	5/13/2014	(n/a)	Rm 285, (lab desk)
LUDLUM	GM	6	35568	5/21/2013	5/21/2014	(n/a)	Rm 285, (lab desk)
LUDLUM	GM	6	44257	5/13/2013	5/13/2014	(n/a)	Rm 285, (lab desk)
LUDLUM	GM	6	44262	5/13/2013	5/13/2014	(n/a)	Rm 285, (lab desk)
LUDLUM	I/C	9	34774	4/18/2013	4/18/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	I/C	9	123331	4/18/2013	4/18/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	1637	7/30/2012	7/30/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	1853	11/19/2012	11/19/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	1856	11/19/2012	11/19/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12(uR)	3643	4/20/2010	4/20/2011	(n/a)	Rm 285, cabinet #3 (w/Prescilla det)
LUDLUM	CPM	12(uR)	8109	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	12890	7/30/2012	7/30/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	13282	11/19/2012	11/19/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	13285	4/17/2013	4/17/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	13292	7/30/2012	7/30/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	13319	7/30/2012	7/30/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	13333	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #4--ERInstrument Kit #2
LUDLUM	CPM	12	13335	11/19/2012	11/19/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	14809	7/17/2012	7/17/2013	(n/a)	Rm 280, cabinet #1--ER Instrument Kit #1
LUDLUM	CPM	12	14817	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	CPM	12	14824	7/27/2001	7/27/2002	Ranier, OR	Temp loan to Ranier F.D.
LUDLUM	CPM	12	14843	7/30/2012	7/30/2013	DMH	Rm 640, ER Kit #7 at desk
LUDLUM	CPM	12	46454	7/30/2012	7/30/2013	TSC	Rm 640, ER Kit #8 at desk
LUDLUM	CPM	12	46468	11/19/2012	11/19/2013	DAL	Rm 640, ER Kit #3 at desk
LUDLUM	CPM	12	46851	11/19/2012	11/19/2013	RAW	Rm 285, ER Kit #6, Lab
LUDLUM	CPM	12	46886	4/18/2013	4/18/2014	(extra)	Rm 285, cabinet #3, foam degraded in kit #5
LUDLUM	CPM	12	46890	11/19/2012	11/19/2013	KS	Rm 640, ER Kit #1 at desk
LUDLUM	CPM	12	47794	7/30/2012	7/30/2013	(extra)	Rm 285, kit degraded, needs repackaging
LUDLUM	CPM	12	47803	4/18/2013	4/18/2014	(extra)	Rm 285, env cabinet (foam degraded Kit #4)
LUDLUM	CPM	12	154619	2/19/2013	2/19/2014	(n/a)	Rm 285, mobile lab (HDER)
LUDLUM	CRM	12(-4)	215340	6/13/2010	6/13/2011	(n/a)	Out to Legacy Good Sam 11-26-12
LUDLUM	GM	14A	1984	4/18/2013	4/18/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	GM	14C	37714	10/31/2001	10/31/2002	R. Koenig	Department of Environmental Quality
LUDLUM	CPM Anal	18	34280	4/17/2013	4/17/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	Nal(uR)	19	14507	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	Nal(uR)	19	14508	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #4--ER Instrument Kit #2
LUDLUM	Nal(uR)	19	14511	7/17/2012	7/17/2013	(n/a)	Rm 285, cabinet #1--ER Instrument Kit #1
LUDLUM	Nal(uR)	19	214450	7/30/2012	7/30/2013	(n/a)	Rm 285, cabinet #3 (received from L&C, '09)
LUDLUM	Ratemeter	177	40295	11/19/2012	4/11/2013	Lab	Rm 285, Lab use (HDER)

INSTRUMENT INFORMATION

MFG	TYPE	MODEL	S/N	CAL DATE	CAL DUE	USER	LOCATION
LUDLUM	Ratometer	177	73636	2/19/2013	2/19/2014	(n/a)	Mobile Response Lab (HDER)
LUDLUM	Nal(UR)	192	199871	11/20/2012	11/20/2013	(n/a)	Rm 285, cabinet #3
LUDLUM	Nal(UR)	192	203775	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	Nal(UR)	192	203817	2/19/2013	2/19/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	Monitor	375	197641	TBD		(n/a)	Mobile Lab (HDER)-in process, not calibrated
LUDLUM	Scaler	1000	72319	TBD		(n/a)	Mobile Lab (HDER)-in process, not calibrated
LUDLUM	Scaler	1000	89693	TBD		(n/a)	Fixed Lab (HDER)-in process, not calibrated
LUDLUM	Scaler	2000	13425	11/19/2012	11/19/2013	(n/a)	Rm 285, open shelf, Air Sampling Kit #1
LUDLUM	Scaler	2000	14761	7/17/2012	7/17/2013	(n/a)	Rm 285, open shelf, Air Sampling Kit #2
LUDLUM	Scaler	2221	154227	TBD		(n/a)	Rm 285, cabinet #3 (HDER)-in process, not c
LUDLUM	Scaler	2221	157029	4/17/2013	4/17/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	Scaler	2241-3	204921	4/18/2013	4/18/2014	(n/a)	Rm 285, cabinet #4--Kit #1
LUDLUM	Scaler	2241-3	204956	11/17/2012	11/17/2013	(n/a)	Rm 285, cabinet #4--Kit #2
LUDLUM	GM	2401-EC	161612	7/30/2012	7/30/2013	(n/a)	Rm 640, desk
LUDLUM	GM	2401-EC	161619	2/19/2013	2/19/2014	(n/a)	Rm 640, desk to Rich for temp use 11-13-12
LUDLUM	GM	2401-EC	234785	11/19/2012	11/19/2013	(n/a)	Rm 640, desk
LUDLUM	GM	2401-EC2	159813	4/17/2013	4/17/2014	(n/a)	Rm 285, cabinet #3
LUDLUM	GM	2401-EC2A	187105	2/18/2013	2/18/2014	(n/a)	Rm 285, cabinet #4 (ODOE kit)
LUDLUM	GM	2401-P	162957	2/19/2013	2/19/2014	(n/a)	Rm 640, desk to Rich for temp use 11-13-12
LUDLUM	GM	2401-P	198941	2/18/2013	2/18/2014	(n/a)	Rm 285, cabinet #4 (ODOE kit)
LUDLUM	GM	2401-P	162945	7/30/2012	7/30/2013	(n/a)	Rm 640, desk
LUDLUM	GM	2401-P	234623	4/17/2013	4/17/2014	(n/a)	Rm 640, desk
Reuter-Stokes	PIC	RSS-112	96100056	9/26/2007	9/25/2008	DAL	Rm 285, cabinet #3--calib until 12-31-12
THERMO	γ-spec	identifinder	04f3/2494	7/9/2004	(n/a)	(n/a)	Rm 285, cabinet #3
VICTOREEN	I/C	190	903	1/13/2011	1/13/2012	(n/a)	UNABLE TO LOCATE as of 1-24-12 (Surplus
VICTOREEN	I/C	470A	377	2/15/2013	2/15/2014	(n/a)	Rm 285, cabinet #3
VICTOREEN	I/C	470A	104103	2/3/2012	2/2/2013	(n/a)	Rm 285, cabinet #3--battery replacement nee
XETEX	GM	335B	45874	4/17/2013	4/17/2014	TDL	Mobile Lab (HDER)
XETEX	ECGM	Telescan	45504	4/18/2013	4/18/2014	(n/a)	Room 285
XETEX	ECGM	Telescan	46226	7/17/2012	7/17/2013	(n/a)	

RPS STANDARD OPERATING PROTOCOL

Protocol Name: NMED/NRC Incident Reporting		No. 003
Approved by: <u></u> RPS Section Manager <u></u> Program Manager Author: Emal Wahab	Effective Date: <u>06/04/10</u> Supersedes: <u>05/04/09</u> Revised: <u>06/02/10</u> <u>11/04/11</u> Review Date: <u>11/04/12</u> (1 year)	
References	NRC STP Procedure SA 300 RPS Protocol 006 Incident Log Documentation OAR 333-120-0700 through 0730 OAR 333-116 OAR 333-118 RPS Duty Officer Manual	
Attachment(s)	SA 300 Event Reporting Schedule for Agreement States	
Objective	To ensure that proper reporting procedures are followed for NMED/NRC Reportable Events that occur in the State of Oregon involving radioactive materials.	
Guidelines	NRC STP Procedure SA-300	
Equipment Required		
Procedure	<ul style="list-style-type: none"> • In the event of a radiation-related incident, the initial RPS responder will ensure initial incident information is recorded and entered in the database (see Protocol 006, Incident Log Documentation). The RPS On-Call Duty Officer will be notified as soon as possible and make proper assignments as needed. If the Duty Officer is unavailable, the RPS section manager will be notified and make the needed assignments. • The assigned inspector shall determine whether the incident is a Reportable Event per the NRC STP Procedure SA-300, Reporting Material Events. The SA-300 reference binder is located with the current year's Incident Log which is on the bottom shelf of a bookshelf next to the RML Lead Worker's cubicle. 	

- If no reporting is required to NMED and/or NRC, this protocol is not applicable and the incident is non-reportable.
- If reporting is required, the inspector assigned to the incident will be responsible for ensuring *it* is reported to NMED (*Email: NMED@INL.GOV, phone: 208-526-6904, fax: 208-526-0990*) and/or NRC (*NRC Operations Center, phone: 301-816-5100 or 301-951-0550, fax: 301-816-5151*) within the prescribed SA 300 incident reporting timeline requirements. The Duty Officer and section manager shall also be notified of the Reportable Event as soon as possible.
- The Duty Officer (or section manager, as appropriate) shall follow up with the inspector within 24 hours of an incident to ensure appropriate steps have been taken to report the incident.
- All incident inspectors and Duty Officers shall perform an annual review in January of the reporting rules (OAR 333-120-0700 through 0730 and NRC STP Procedure SA-300). In addition, a review of the prior year's reportable incidents) as well as all currently active incident investigations shall be performed by the aforementioned personnel.
- At each monthly RPS staff meeting, all reportable and non-reportable radiation-related incidents that occurred during the prior month will be addressed.
- At monthly RML and Emergency Response staff meetings, a discussion of open and recently-closed reportable incidents will occur as assigned to ensure proper procedures were followed. The Operations (or Licensing) manager will be responsible for reviewing and closing the radioactive materials incident in the database.
- For additional incident reporting procedures see the RPS Duty Officer Manual and conditions warranting NRC notification/NMED reporting requirements.

11/4/11



Title: Incident Log Documentation

No. 006

Effective Date

Approved by:	Date
David Howe: <i>David Howe</i>	10-08-12
Rick Wendt: <i>Rick Wendt</i>	10-5-12

Prepared by

Document Author(s)	Date
Kevin Siebert	10/03/12

Reviewed or Revised By

Review	Revised	Date	Author	Brief Change Description
	X	10/03/12	Kevin Siebert	Updated to new format and added new screen shots.

Radiation Protection Services at its option, may change, delete, suspend, or discontinue parts or the protocol in its entirety.

Authority

Oregon Health Authority, Public Health Division (PHD), Center for Health Protection (CHP), Radiation Protection Services (RPS)

Reference

Oregon Administrative Rules (OAR), Chapter 333, Divisions **RPS Procedure - 003 Incident Reporting**,

Objective

To provide a mechanism for ensuring the proper documentation of incidents, notifications, and allegations that occur in the State of Oregon involving radioactive materials, and radiation producing electronic products.

Guidelines

Steps to follow when documenting radiation related incidents, notifications, and allegations.

Attachments

1. Screen shot of data base

Protocol

A. Administrative Items

(Instructions to complete Incident Report Summary 1 – 9)

1. Log into the RML database. (I/RPS Program/RPS Production/rml02adp)
2. Click the “**Incident**” button (top right)
3. Create a new file by clicking on the *right arrow and star* button at bottom (bottom left)
4. Assign Docket number by clicking “**Assign no**” button next to Docket No.
5. Assign RPS number by clicking “**Assign no**” button next to RPS No.
6. **Incident Type:** Select the incident type from the pull down menu, or type the best description for incident.
7. **Program Type:** Select the program from the pull down menu.
8. **Location/Tickle Dt:** Select the file location from the pull down menu, or type the file location.
9. Fill out the information fields with known information.
Ensure that the following fields are correct:
 - a. **EMD No. – (2008 – XXXX)** Number received when called into/or received from OERS. (Skip until after calling OERS.)
 - b. **Incident date/Time:** Enter the incident’s date and time.
 - c. **Notify Date/Time:** Enter the date and time of the notification of incident.
 - d. **RPS Responder:** Person assigned to handle incident or the initial call receiver until assigned to another person. Ensure that this is changed each time the incident is reassigned.
 - e. **Completed By:** Person entering initial data. (bottom left)
 - f. **Final Review:** Sign off by manager after investigator recommends incident for closure.
 - g. **NMED #:** If reported to NMED, the NRC number assigned to this incident. (see NRC document “SA-300” for reporting requirements)
 - h. **Incident Category:** Select the appropriate boxes.
 - i. **Incident** – An unplanned event.
 - ii. **Allegation** – An accusation against a person or company.
 - iii. **Notification** – An event that does not require RPS involvement.
 - iv. **Inquiry** – A request for information by someone or a company relating to a previous incident or FOIA.
 - v. **AOR** – An event of significant level that will be reported to the US Congress. (As defined in SA 300.)
 - i. **Description:** The initial summary of the incident.
 - j. **RPS Follow-Up Actions Required / Completed:** List actions that need to be completed. Indicate the date and initials when completed.
 - k. **Notifications:** List all organizations notified by RPS responder. (NRC, OERS, etc.) Enter date and time of notifications.
 - l. **Lic. No. :** License number of primary Licensee that is involved.
 - m. **Other Registrants:** License number of other Licensees that are involved.
 - n. **DOT Exemption:** The type and number of the DOT exemption issued.
 - o. **Enforcement:** Select appropriate action from drop down menu.

- p. **Date Closed:** The date RPS management deems incident closed.
 - q. **Copy to file:** A check box to indicate that responder has placed a completed hard copy in licensee's file. Don't check until done.
 - r. **Data Entry Initials:** Initials of person entering data.
 - s. **Incident Log:** Every follow up action beyond initial opening of incident needs to be entered.
 - i. To enter something click "**add note**".
 - a) Ensure date and times are correct.
 - b) Indicate who made entry.
 - c) Type what was done.
 - ii. To edit an entry click "**Edit Note**" and page through to correct note. Make changes then click "Save".
 - t. Enter time spent on incident or action in "**Time Tracking**" section.
 - i. On the right side of the time block, enter information. (**Date, Initials, Hours Spent**)
 - ii. Click "**Add/Update**"
10. After entering the incident information into the incident log database, responder will print a "Summary Report" and place it behind the incident log "table of contents" tab in the front of incident book. (Incident book located on top of book case between lead workers)
 11. Place initial copy of incident detail report in correct tab in incident book. (correct tab is derived from the assigned RPS No.) (To print incident detail click the button on the right mid page "Details This Incident",)
 12. Responders update information in appropriate fields and time tracking as the incident progresses (Action/Notes, Time Tracking). Each time a responder enters new information to a incident log, a new "incident detail" page will be printed and placed in the incident log book in the correct tab. Prior copies of the "incident detail" page will be removed and shredded.
 13. Place all e-mails, pictures, or notes needed for documentation with the incident summary in the correct tab in incident book.
 14. When the incident is ready for final review and closure, the RPS responder will send an e-mail to management and the section lead worker recommending final review and closure. The responder will enter a statement into the incident log as to why the incident is ready to be closed.
 15. Management performs final review of the incident, to assure inclusion of all supporting documentation and staff time records. Management will sign off as final reviewer and will close the incident.
 16. The manager that performs the final review and closure of an incident will ensure that a copy of the final closed incident detail page is placed in appropriate tab in the incident log book and in the licensee's file (as appropriate). This process may be assigned to the responder at management discretion.
 17. Management will print a new "Incident Summary" report to be placed in the "Table of Content" section of the Incident log book. Management may assign this duty to the responder.

Microsoft Access - [Production RPS Incident Menu]

File Edit View Insert Format Records Tools Window Help Adobe PDF

Incident Reporting Form

9a Docket No. [Blank] 9b Incident Type: [Blank]

9c RPS No. [Blank] 9d Program Type: [Blank]

EMD No. [Blank] 9e Locations/Ticket DL [Blank]

9f Incident Date/Time: 9/4/2012 9g Description: [Blank]

9g Notify Date/Time: 9/4/2012 9h RPS Follow-Up Actions Required / Completed

9i RPS Responder: [Blank] 9j RPS Responder: [Blank]

9j Notified By: [Blank] 9k Phone: [Blank]

9k Facility Name: [Blank] 9l Notifications: [Blank]

9k Incident Location: [Blank] 9m Phone/Person - Agency: [Blank]

9l County: [Blank] 9n City: [Blank] 9o Date/Time: [Blank]

9l Materials Released: [Blank] 9p Press release? [N] If Yes, Notify Public Affairs and attach copy.

9l Radiation Exposures: [Blank] 9p Lic No.: [Blank] 9p Name: [Blank]

9l Was Anyone Injured or Contaminated? [N] 9p Other Registrants Involved: [Blank]

9l Has Access Been Restricted? [N] 9p Lic No.: [Blank] 9p Lic Name: [Blank]

9l Isotope Activity: [Blank] 9p Exemption DOT #: [Blank] 9p Vehicle ID: [Blank]

9l Activity: [Blank] 9p Physical State: [Blank] 9p DOT Exemption: [Blank]

9l Completed By: [Blank] 9p Enforcment: [Blank] 9p Date Closed: [Blank]

9l Final Review: [Blank] 9p Copy to PML File: [N] 9p Under Time: 0:30

9l Time Tracking: [Blank] 9p Date Entry Initials: [Blank] 9p Date: 9/4/2012

9l Rate Maintenance: [Blank] 9p Date: [Blank] 9p Initials: [Blank] 9p Hours Spent: [Blank]

9l Record: 13 of 842 9p Total Hours: 0.00 9p Hours Spent: [Blank]

9l Filter View: [Blank] 9p Date Range: [Blank] 9p Time Period: [Blank]

9l Start: [Blank] 9p Incident Log: [Blank]

9l Search Desktop: [Blank] 9p Production RPS Inc.: [Blank] 9p RML PRODUCTION: [Blank] 9p Documents (Compati...): [Blank] 9p Inbox - RICHARD.A.: [Blank] 9p NUM: [Blank]

Microsoft Access - [RML PRODUCTION]

File Edit View Insert Format Records Tools Window Help Adobe PDF

V1.92 License # [] Name []

Address Verification Correspondence Inspection Licensee Info Licensing Action HPC Projects Reiprocity Reports 2 IMPEP Reports Process Payments

Incident 2

Material/Address Address Ln2 City County RSO LN/WN Title Phone RSO Fax E-Mail Address Asst RSO Contact Asst RSO Title Asst RSO Fax Asst RSO Email Certifying Off Title

Routing Address Ln1 Address Ln2 City

Routing Alt: Address Ln1 Address Ln2 City

Archival Location Accession # Archive Date Add Delete

Accession # Date

Form View Start InBox RICHARD A. WE Documents Compatibility RML PRODUCTION Search Desktop 12:13 PM

Material/Address

Address Ln2

City

County

RSO LN/WN

Title

Phone

RSO Fax

E-Mail Address

Asst RSO Contact

Asst RSO Title

Asst RSO Fax

Asst RSO Email

Certifying Off

Title

Routing

Address Ln1

Address Ln2

City

Routing Alt:

Address Ln1

Address Ln2

City

Routing

Address Ln1

Address Ln2

City

Archival Location

Accession #

Archive Date

Add

Delete

Date