Approved by OMB[1]
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INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM QUESTIONNAIRE

Nevada Radiation Control Program
Reporting Period: July 20, 2013 through July 14, 2017

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;

Attached.

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

Attached.

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

N/A.

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[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.

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

Name	Position	Area of Effort	FTE%
Karen Beckley	Program Manager	Administration	50%-75%
Adrian Howe	Radiation Control Supervisor	Administration	85%
Michael Schmidt	Radiation Control Specialist III	Licensing/Inspection	100%
John Follette	Radiation Control Specialist III	Licensing/Inspection	100%
Bradley Allured	Radiation Control Specialist II	Licensing/Inspection	100%
Fayne Martini	Radiation Control Specialist II	Licensing/Inspection	100%
Brandie Peretz	Radiation Control Specialist II	Inspection	30%

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.

Name	Hire Date	Degree	Years of Training
Michael Schmidt	12/8/14	B.S. Radiological Science Masters – Health Care Administration (In progress)	23
Bradley Allured	2/23/15	B.S. & M.S. in Physics	2
Fayne Martini	2/13/17	Certificate Program In Nuclear Medicine	14
Brandie Peretz	3/3/17	B.S. in Biology	2.4

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.

Name	Required Training	Tentative Schedule
Bradley Allured	See attached	

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

None.

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

Name	Date left
John Bakkedahl	10/14/2016
Aaron Beck	1/29/2015
Anthony Kirkwood	10/3/2014
Timothy Mitchell	4/17/2015
Cynthia Pacheco	4/6/2017
Sneha Ravikumar	6/12/2015

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.

1 vacancy. Position has been open for less than 1 month. Interviews have been conducted, and paperwork has been submitted to Administration. A decision will be made in the next 2 to 3 weeks.

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.

No – N/A

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.

None.

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.

Total Initial Inspections = 56

2013 = 0
2014 = 17
2015 = 16
2016 = 14
2017 = 9

Routine Inspections

2013 (6 months)
- Priority 1 = 6
- Priority 2 = 9
- Priority 3 = 6

2014
- Priority 1 = 4
- Priority 2 = 16
- Priority 3 = 18

2015
- Priority 1 = 9
- Priority 2 = 10
- Priority 3 = 6

2016
- Priority 1 = 8
- Priority 2 = 13
- Priority 3 = 13

2017
- Priority 1 = 7
- Priority 2 = 16
- Priority 3 = 12

12. Please submit a table, or a computer printout, that identifies inspections of Priority 1, 2, and 3 licensees and initial inspections that were conducted overdue.

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

(1) Licensee Name
(2) License Number
(3) Priority (IMC 2800)
(4) Last inspection date or license issuance date, if initial inspection
(5) Date Due
(6) Date Performed
(7) Amount of Time Overdue
(8) Date inspection findings issued

None.

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.

None.

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.

All reciprocity licenses that enter the state are candidates for inspection. The Program has a policy of calling the home State to verify compliance history on all new reciprocity requests. Licensees with compliance issues might not receive approval to operate in Nevada until compliance issues are resolved in the home State.

2013	Total = 16	Inspected 8
2014	Total = 14	Inspected 4
2015	Total = 22	Inspected 5
2016	Total = 22	Inspected 5
2017	Total = 14	Inspected 1

III. Technical Quality of Inspections

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

None.

16. Prepare a table showing the number and types of supervisory accompaniments made during the review period. Include:

Supervisory Accompaniments				
Inspector	**Supervisor**	**License Category**	**Licensee**	**Date**
Tim Mitchell	Adrian Howe	Industrial Radiographer/IC	Black Eagle Consulting, Inc.	1/23/2014
John Follette	Adrian Howe	Medical	Southwest Medical Assoc.	3/7/2014
Mark Stephens	Adrian Howe	Medical	Desert Radiologists	4/15/2014
Jon Bakkedahl	Adrian Howe	Medical	Nevada Arrythmia	6/9/2014
John Follette	Adrian Howe	Medical	Spring Valley Hospital	2/3/2015
Mike Schmidt	Adrian Howe	Portable Gauge	Construction Materials Engineers	4/9/2015
Jon Bakkedahl	Adrian Howe	Industrial Radiographer/IC	QTI, LLC	6/29/2015
Cynthia Pacheco	Adrian Howe	Medical	Diagnostic Center of Medicine	11/18/2015
Brad Allured	Adrian Howe	Portable Gauge	Marvin E Davis and Associates	2/4/2016
John Follette	Adrian Howe	Industrial Radiographer	Western Technologies, Inc.	3/2/2016
Mike Schmidt	Adrian Howe	Medical	Carson Tahoe Cardiology	6/21/2016
Cynthia Pacheco	Adrian Howe	Industrial Radiographer	Davis Laboratories	12/9/2016
John Follette	Adrian Howe	Medical/HDR	Radiation Therapy Management, Svcs	12/8/2016
Brad Allured	Adrian Howe	Medical	Northern Nevada Medical Center	2/9/2017
Mike Schmidt	Adrian Howe			06/21/2017 to 6/22/2017

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?

Equipment and Lab Capabilities:
Instruments are calibrated annually by: Qal-Tek,
3998 Commerce Circle
Idaho Falls, ID 83401
Instruments for calibration are split into two groups from each office (Carson City and Las Vegas), a month apart, enabling the program continued availability of proper equipment at each office during the calibration period.
No Lab Capabilities at this time.

List of Available Instrumentation:

Carson City (Round 1)

Box #	Mfr.	Model	Serial No.	Probe Model No. (Serial No.)
1	Ludlum	2241-3	228170	44-9 (184681), 44-2 (247861), 133-7 (247020)
6	Ludlum	2241-2	320125	44-9 (PR355586), 44-2 (PR353409)
12	Ludlum	2241-3i	288281	44-9 (318952), 44-38 (316143), 43-92 (314729)
21	Ludlum	2241-3i	288288	44-9 (328794), 44-38 (327554), 43-92 (330470)
	TA	TBM-6SP	008953	PGS-3 (008952) end window
7	Ludlum	2241-3i	228268	44-9 (PR319037), 44-38 (PR16138), 43-92 (PR314715)

Mfr.	Model	Serial No.	Probe
Ludlum	9DP	25010452	Internal Ion Chamber
Ludlum	9DP	25010448	Internal Ion Chamber
Ludlum	9DP	25010456	Internal Ion Chamber

IV. Technical Quality of Licensing Actions

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

241.

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.

- **Global Medical Isotope Systems 03-13-0718-01 – New R&D License (financial assurance) 2014.**
- **Cardinal Health (formerly Southwest Cyclotron LLC 03-11-0505-01 – Decommission & Terminate cyclotron license 2014.**
- **Cardinal Health 414, LLC (Radiopharmacy) 03-11-0332-03 – Amend Licenses to add GE-68/GA-68 generators 2016.**

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

None.

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

The Program utilizes the Consolidated Guidance About Materials Licenses (NUREG-1556) as the basis for licensing. The Program has a weekly peer review meeting to discuss Licensing issues. Licensing checklists have been developed for each materials license type and are revised as necessary.

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.

None.

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:

Licensee Name	License #	Date of Incident/Report	Type of Incident

None.

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

There have been no changes to procedures. Currently the incident and allegation policies are being updated, and are in draft form. New versions are being evaluated to include updates/revisions to the SA-200, new version of NMED database, reporting requirements of Part 37 and RCP staffing changes.

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.

None.

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.

The Radiation Control Program is currently working with NRC to correct discrepancies on the SRS sheet.

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.

None.

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:

SS&D Registry Number	Manufacturer, Distributor or Custom User	Product Type or Use	Date Issued	Type of Action

None.

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

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

The state of California conducts reviews for Nevada.

III. Low-level Radioactive Waste Disposal Program

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

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

IV. Uranium Recovery Program

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

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

N/A.

Radiation Control Program
Peretz RAM Training Tracking

	Date attended	Sup initial/date
Required Division of Public and Behavioral Health Training (DPBH)		
State Employment Orientation - one time:	3-13-2017	6/21/17 AH
Defensive Driving – Initial /every four years:	4-5-2017	6/21/17 AH
Sexual Harassment – Initial/ every two years:	5-30-2017	6/21/17 AH
DPBH 2016 HIPAA and Confidentiality Awareness (bi-annually):	3-14-2017	6/21/17 AH
Orientation to Public Health and Safety Preparedness (One Time):	3-13-2017	6/21/17 AH
Information Systems Security Awareness (annually):	3-14-2017	6/21/17 AH
Document and Information Security (one time):	3-14-2017	6/21/17 AH
Required Division Federal Emergency Management (FEMA) Training		
ICS –100, Introduction to the Incident Command System:	3-2-2015	6/21/17 AH
ICS –200.b, Single Resources and Initial Action Incidents:	2-25-2010	6/21/17 AH
IS –700a, National Incident Command System - An Introduction:	9-22-2006	6/21/17 AH
IS – 800b, National Response Framework – An Introduction:	3-20-2017	6/21/17 AH
Core Training for all RAM Staff as applicable		
NRC H-117, Introduction to Health Physics or equivalent exp.	11-18-2011	6/21/17 AH
NRC – H- 201, Health Physics Technician, two week course:		
NRC Applied Health Physics, 5-week course at Oakridge:		
NRC G-109, Licensing Procedures:		
NRC G-108, Inspection Procedures:	10-28-2016	6/21/17 AH
NRC - G-205 Root Cause:	[]	[]
NRC S-201, IC Security Course:		
NRC H–304, Nuclear Medicine:		
NRC H–313, Therapy & Gamma Knife:		
NRC H–305, Industrial Radiography:		
NRC H–314, Well Logging:		
DH-308, Transportation of RAM or Radiological HAZMAT Cert:		
NVRCP Security video & training:		
APNGA: Nuclear Gauge Safety Training:		
Mine Safety and Health Administration Basic (Every 3 years):		

Required mentorship for RAM Staff as applicable

Training	Sup initial/date	Sup initial/date
NVRCP Pre-licensing Program:		
NVRCP Fixed Gauge Licensing:		
NVRCP Portable Gauge Licensing:		
NVRCP Medical Licensing:		
NVRCP Medical with WD Licensing:		
NVRCP Peer Review licensing:		
NVRCP Termination licensing:		
NVRCP Well Logging Licensing:		
NVRCP Nuclear Pharmacy Licensing:		
NVRCP Industrial Radiography Licensing:		
NVRCP Small Lab/CHIPS Licensing:		
NVRCP Broadscope / Research Licensing:		
Reciprocity Authorization:		
Reciprocity Annual Renewal:		
Reciprocity IC training:		
NVRCP Pre-licensing Delivery:	4/20/17 AH	
NVRCP Fixed Gauge Inspection:		
NVRCP Portable Gauge Inspection:		
NVRCP Small Medical Inspection:		
NVRCP Large Medical (WD) Inspection:		
NVRCP Termination – Exit Survey Inspection:		
NVRCP Well Logging Inspection:		
NVRCP Nuclear Pharmacy Inspection:		
NVRCP Industrial Radiography Inspection:		
NVRCP Small Lab/CHIPS Inspection:		
NVRCP Broadscope / Research Inspection:		

Required mentorship for Emergency Response as applicable		
IS–301, Radiological Emergency Response:		
ICS–300, Expanding Incidents:		
20/40/80 hour HAZWOPER Certification:		
AWR–140 WMD Radiological/Nuclear Awareness course:		
CTOS WMD Radiological Nuclear HAZMAT Technician Course:		
PER–240 WMD Radiological/Nuclear Responder Operations:		
ICS–400, Advanced Incident Command:		
NRC - G-205 Root Cause:		
TEPP MERRT Training:		
Demonstrated ability to be available during nonstandard duty hours:		
Jr. Mentorship: Work with co-teach with mentor		
Mentorship as appropriate by the Incident response supervisor:		

***As applicable means as determined by supervision.**

Radiation Control Program
Martini RAM Training Tracking

Required Division of Public and Behavioral Health Training (DPBH)	Date attended	Sup initial/date
State Employment Orientation - one time: (classified)	3/17/17	
Defensive Driving – Initial /every four years:	2/23/17	
Sexual Harassment – Initial/ every two years:	5/11/17	
DPBH 2016 HIPAA and Confidentiality Awareness (bi-annually):	2/15/17	
Orientation to Public Health and Safety Preparedness (One Time):	2/23/17	
Information Systems Security Awareness (annually):	2/14/17	
Document and Information Security (one time):	6/1/17	
Required Division Federal Emergency Management (FEMA) Training		
ICS –100, Introduction to the Incident Command System:	2/14/17	2/17/17 AH
ICS –200.b, Single Resources and Initial Action Incidents:	2/15/17	2/17/17 AH
IS –700a, National Incident Command System - An Introduction:	2/16/17	2/17/17 AH
IS – 800b, National Response Framework – An Introduction:	2/16/17	2/17/17 AH
Core Training for all RAM Staff as applicable		
NRC H-117, Introduction to Health Physics or equivalent exp.		
NRC – H- 201, Health Physics Technician, two week course:		
NRC Applied Health Physics, 5-week course at Oakridge:		
NRC G-109, Licensing Procedures:		
NRC G-108, Inspection Procedures:		
NRC - G-205 Root Cause:	[]	[]
NRC S-201, IC Security Course:	5/21-26/17	
NRC H–304, Nuclear Medicine:		
NRC H–313, Therapy & Gamma Knife:		
NRC H–305, Industrial Radiography:		
NRC H–314, Well Logging:		
DH-308, Transportation of RAM or Radiological HAZMAT Cert:	complete	2/17/17
NVRCP Security video & training:		
APNGA: Nuclear Gauge Safety Training:		
Mine Safety and Health Administration Basic (Every 3 years):	3/28-30/17	

Required mentorship for RAM Staff as applicable

Training	Sup initial/date	Sup initial/date
NVRCP Pre-licensing Program:		
NVRCP Fixed Gauge Licensing:		
NVRCP Portable Gauge Licensing:		
NVRCP Medical Licensing:		
NVRCP Medical with WD Licensing:		
NVRCP Peer Review licensing:		
NVRCP Termination licensing:		
NVRCP Well Logging Licensing:		
NVRCP Nuclear Pharmacy Licensing:		
NVRCP Industrial Radiography Licensing:		
NVRCP Small Lab/CHIPS Licensing:		
NVRCP Broadscope / Research Licensing:		
Reciprocity Authorization:		
Reciprocity Annual Renewal:		
Reciprocity IC training:		
NVRCP Pre-licensing Delivery:		
NVRCP Fixed Gauge Inspection:		
NVRCP Portable Gauge Inspection:		
NVRCP Small Medical Inspection:		
NVRCP Large Medical (WD) Inspection:		
NVRCP Termination – Exit Survey Inspection:		
NVRCP Well Logging Inspection:		
NVRCP Nuclear Pharmacy Inspection:		
NVRCP Industrial Radiography Inspection:		
NVRCP Small Lab/CHIPS Inspection:		
NVRCP Broadscope / Research Inspection:		
NRC H-122S Health Physics self study	4/17-5/17	

Required mentorship for Emergency Response as applicable		
IS–301, Radiological Emergency Response:		
ICS–300, Expanding Incidents:		
20/40/80 hour HAZWOPER Certification:		
AWR–140 WMD Radiological/Nuclear Awareness course:		
CTOS WMD Radiological Nuclear HAZMAT Technician Course:		
PER–240 WMD Radiological/Nuclear Responder Operations:		
ICS–400, Advanced Incident Command:		
NRC - G-205 Root Cause:		
TEPP MERRT Training:		
Demonstrated ability to be available during nonstandard duty hours:		
Jr. Mentorship: Work with co-teach with mentor		
Mentorship as appropriate by the Incident response supervisor:		

***As applicable means as determined by supervision.**