Approved by OMB[1]
No. 3150-0183
Expires 08/31/2010

INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM

QUESTIONNAIRE

Nevada State Health Division, Bureau of Health Protection Services, Radiological Health Section
Reporting Period: March 19, 2005 to May 31, 2009

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

A. GENERAL

1. Please prepare a summary of the status of the State's or Region's actions taken in response to the comments and recommendations following the last review.

The last IMPEP conducted on the Nevada Radiation Control Program was March 19, 2005. The recommendations and updates from that audit are as follows:

1. The review team recommends that the State develop and implement a staffing plan to fill current vacancies, meet growing program needs and maintain long-term program stability.
   a. Response: The NV Radiation Control Program developed a "grow your own" program that entails training and educating the best qualified candidates with degrees in other scientific fields and looking to entice younger staff members to advance into the technical field. This allowed the Program to hire individuals with limited radiological orientation but with other skills that could be utilized in the program while the candidate acquired the training. The training consists of attending a 2-5 week health physics course, NRC training courses, in house mentoring and field training accomplished over a 3-5 year timeframe. Currently, all positions in the Program are filled and staff is going through training to become qualified inspectors and licensing personnel.

2. The review team recommends that the Section revise their inspection procedures and provide training to implement a policy for timely and orderly license termination of licensed materials not in use.
   a. Response: The NV Radiation Control Program has revised many of the licensing and inspection procedures and protocols. This is an evolving process as new staff develops radioactive materials knowledge. The Program has reviewed all radioactive material files and has reduced the amount of issues associated with licenses that

[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.

need to be terminated. This includes impoundment of two nuclear gauges, inspections of licensees that have not received material for over 6 months with negotiation to terminate these licenses, and reports on NMED of material that has been stolen, lost, unaccounted for with licensees that have disappeared from the State.

3. The review team recommends that the Section develop and maintain a reliable and comprehensive licensing and inspection database that serves as an effective and efficient planning, tracking and management tool.
   a. The Program has made changes to the existing database, to the extent possible, to manage the radioactive material information more effectively. This year the Program requested legislative approval to utilized program funding to acquire a new database that will address the concerns with and short-comings of the existing database.

B. COMMON PERFORMANCE INDICATORS

I. Technical Staffing and Training

2. Please provide the following organization charts, including names and positions:

   (a) A chart showing positions from Governor down to Radiation Control Program Director; Attached

   (b) A chart showing positions of current 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

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. Include all vacancies and identify all senior personnel assigned to monitor work of junior personnel. If consultants were used to carry out the program's radioactive materials responsibilities, include their efforts. The table heading should be:

Name	Position	Area of Effort	FTE%
• Karen K. Beckley	Manager	Administration	50%
• Eric Matus	Supervisor	Licensing/Compliance	20%
		▪ Emergency Response	60%
		▪ LLRW	10%
		▪ Other	10%
• Adrian Howe	Supervisor	Licensing/Compliance	80%

		▪ ER	10%
		▪ Other	10%
• Anthony Kirkwood Senior Staff	RCS III	Licensing/Compliance	100%
• Tim Mitchell	RCS III	Licensing/Compliance	90%
		• ER	10%
• John Follette	RCS III	Licensing/Compliance	60%
		▪ ER	10%
• David Murdza	RCS II	Licensing/Compliance	70%
		▪ ER	10%
		▪ Other	20%
• Wayne Yates	RCS II	Licensing/Compliance	20%
• Reggie Stewart	RCS II	Licensing/Compliance	20%
• Tharon Sheen	RCS I	Licensing/Compliance	100%
• Paul Liebendorfer	Consultant	Uranium Recovery Eval	10%

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

Please see attached training sheets for other information

Name	Years of Experience
Eric Matus	10 years
Anthony Kirkwood	35+ years
Tim Mitchell	5 years
John Follette	16 years
David Murdza	4 years
Reggie Stewart	5 years
Tharon Sheen	4 years
Paul Liebendorfer	10 years

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

Please see attached training sheets. Staff is being scheduled for training based on allowable number in a course, timing of course and time in the program. Mitchell, Follette, Murdza, Stewart, and Sheen have not yet met the qualification requirement for a license reviewer or materials inspector. Matus is qualified for IC inspections only. Liebendorfer is a contract employee evaluating the Uranium Recovery Program to determine what would be needed and viability in NV to implement the program in the future.

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

The NV Radiation Control Program has gone through significant change over the last 4 years. The Program is currently going through a State Personnel reclassification process which includes a salary comparison.

Attached is the policy for training.

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

Larry Boschult, RCS III retired,
Paul Simpson, RCS III retired.
Morgan Tyler, RCS II resigned.
Robert Verellen, Radiation Physicist, retired.

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

None at this time.

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.

None.

II. Status of Materials Inspection Program

10. Please identify individual licensees or categories of licensees the State is inspecting less frequently than called for in NRC's Inspection Manual Chapter (IMC) 2800 and explain the reason for the difference. The list only needs to include the following information: licensee name, license number, your inspection interval, and rationale for the difference. None

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

Priority 1 = 7
Priority 2 = 15
Priority 3 = 43
Initial Inspections = 80
IC inspections = 11

12. Please submit a table, or a computer printout, that identifies inspections of Priority 1, 2, and 3 licensees, increased controls, and initial inspections that were conducted overdue per the applicable guidance. Priority 1, 2, and 3 licensees and initial inspections must be conducted at least as frequently as the inspection intervals established in IMC 2800. Increased controls inspections should be conducted at the intervals established in the Staff Requirements Memorandum for COMSECY-05-0028. None

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

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

13. Please submit a table or computer printout that identifies any Priority 1, 2, and 3 licensees, increased controls, and initial inspections that are currently overdue, per the applicable guidance. At a minimum, the list should include the same information for each overdue inspection provided for Question 12 plus your action plan for completing the inspection. None

14. Please provide the number of reciprocity licensees that were candidates for inspection per year as described in IMC 1220 and the number of candidate licensee reciprocity inspections that were completed each year during the review period.
- Number of reciprocity licensees =73
- Number of reciprocity licensees inspected = 21
- Change of Program policy in 8/08 to incorporate a check on compliance with entity issuing license prior to issuing reciprocity approval (see attached form)
- Since the change of policy, 67 reciprocity licensee requests have been evaluated.
- 1 has been denied coming into the State of Nevada due to outstanding compliance issue with the State of Utah.

III. Technical Quality of Inspections

15. What, if any, changes were made to your written inspection procedures during the reporting period?
The Nevada Radiation Control Program has gone through significant change in all aspects of the program. Lap Top computers are utilized in the field and have inspection check lists, forms, and other pertinent information enabling the inspector to leave inspection reports with the licensee at the time of inspection. Many policies and procedures have been developed and continue to be revised as necessary. See attached for examples.

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

Complete data unavailable. Update will be provided in June.

Inspector	Supervisor	License Category	Date
Adrian Howe	Larry Boschult		01/09
Adrian Howe	Eric Matus	IC	08/06
Adrian Howe	Eric Matus	IC	10/01/09
Eric Matus	Adrian Howe	IC	8/31/06
Eric Matus	Adrian Howe	IC	10/02/08
Wayne Yates	Adrian Howe		12/07
Wayne Yates	Larry Boschult		9/15/09
Larry Boschult	Adrian Howe		2/06
Larry Boschult	Adrian Howe		12/22/08
Tim Mitchell	Adrian Howe	IC	12/08
Tim Mitchell	Adrian Howe	Portable Gauge	
Reginald Stewart	Adrian Howe	Portable Gauge	9/12/08

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?
Attached are 2 spreadsheets of materials survey equipment.

All instruments that are used by inspectors or for incident response are sent to a calibration lab annually or as recommended by the manufacturer. Usually Ludlum is the vendor used except in the case of Fluke 451P ion chambers which are sent to the mfg. All cal labs use NOST traceable sources. If an instrument is known to need a repair it usually goes to the mfg.

Survey meters routinely used in the field include Fluke (innovision) 451P and Ludlum 2241. Technical Associates TBM-6SP are used when low energy surface measurement is needed.

Sufficient instruments are kept calibrated that no staff ever uses one with expired calibration.

ICS-4000 Radionuclide identifiers are calibrated by the user, and are done annually using the recommended Cs-137 check source.

RCP owns 16 Canberra ultra radiacs and the associated Canberra calibrator. URads are not returned to the factory unless they fail the calibration test. URads are used as a backup ratementer and dosemeter to augment survey meters and OSLD dosimeters.

RCP has recently acquired a Ludlum M-711 (same as SAM 40) RIID. It is LaBr detector and is self calibrated.

Each office has a portable Ludlum alpha/beta sample counter, and sample holders for counting wipes with a pancake or end window GM.

Instruments, particularly older Ludlum and Eberline, are rotated through training kits and are not calibrated annually. These kits are used by RCP trainers to allow first responders to have a meter I hand when they do not have enough for an entire class. Several are kept calibrated as backups as back-ups.

When instruments are out of cal they are rotated to a different storage area from the ones that are field ready.

Carson City has an ORTEC Multi Channel Analyzer with a 3 inch NaI detector that is used for Gamma Spec in the lab. An equivalent MCA in is the Las Vegas office, but is not in use because no Las Vegas staff are trained in Gamma Spec. RCP has no Alpha spec capability.

RCP has several air samplers and 3 lab scalers that are not currently in use but could be calibrated and used if the need arises. They are left over from the Beatty LLW site operations when samples were collected and counted on gas proportional detectors.

IV. Technical Quality of Licensing Actions

18. How many specific radioactive material licenses does the Program regulate at this time? 265

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. N/A

20. Identify any licensees or groups of licensees that were issued increased controls during the review period. Those licensees that were initially identified during the initial implementation of increased controls need not be listed. None

21. Discuss any variances in licensing policies and procedures or exemptions from the regulations granted during the review period. None

22. What, if any, changes were made in your written licensing procedures (new procedures, updates, policy memoranda, etc.) during the reporting period?
As stated above, the NV Radiation Control Program has gone through significant change in all aspects of the program. Many policies and procedures have been developed and continue to be revised as necessary. See attached for examples.

23. Identify by licensee name and license number any renewal applications that have been pending for one year or more. Please indicate why these reviews have been delayed and describe your action plan to reduce the backlog. None

V. Technical Quality of Incident and Allegation Activities

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

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

25. During this review period, did any incidents occur that involved equipment or source failure or approved operating procedures that were deficient? If so, how and when were other State/NRC licensees who might be affected notified? For States, was timely notification made to NRC? For Regions, was an appropriate and timely PN generated? For Agreement States, was information on the incident provided to the agency responsible for evaluation of the device for an assessment of possible generic design deficiency? Please provide details for each case. Yes. During the inspector accompaniment, a licensee disclosed information that suggested they have had equipment failure(s). We are currently investigating and will provide information in June.

26. Identify any changes to your procedures for responding to incidents and allegations that occurred during the period of this review.
The Program has gone through significant changes and many of the procedural revisions are currently case studies. Staff will be available to discuss the incident and allegation program changes in June.

C. NON-COMMON PERFORMANCE INDICATORS

I. Compatibility Requirements

27. Please list all currently effective legislation that affects the radiation control program. Denote any legislation that was enacted or amended during the review period. The Nevada State Legislature is in session. It is unclear what proposed changes will be implemented. There are bill and recommendations to reduce

salaries, work days, benefits, etc. If approved, it is anticipated that we will experience vacancies as staff pursue other employment opportunities.

At this time, there are no legislative bills that that have been presented that could affect the overall operation of the program.

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

29. Please review and verify that the information in the enclosed State Regulation Status (SRS) sheet is correct. For those regulations that have not been adopted by the State, explain why they were not adopted, and discuss actions being taken to adopt them. If legally binding requirements were used in lieu of regulations, please describe their use.
The Radiation Control Program has submitted regulation changes that will not be acted upon until after the legislative session is over. We will provide current codified regulations, regulations that have been changed but not codified and the regulations that have been submitted but not yet approved, upon NRC arrival in June.

30. If you have not adopted all amendments within three years from the date of NRC rule promulgation, briefly describe your State's procedures for amending regulations in order to maintain compatibility with the NRC, showing the normal length of time anticipated to complete each step. N/A

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

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

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

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

III. Low-Level Radioactive Waste Disposal Program

33. Please include information on the following questions in Section A, as they apply to the Low-Level Radioactive Waste Disposal Program: No active low-level

radioactive waste disposal program. The Radiation Control Program manages the closed low-level radioactive waste site at Beatty under a radioactive materials license. Post-closure monitoring, sampling and site maintenance are performed in accordance with the site closure plan and the requirements of the license.

Technical Staffing and Training - Questions 2-9
Status of Materials Inspection Program - Questions 10-14
Technical Quality of Inspections - Questions 15-17
Technical Quality of Licensing Actions - Questions 18-23
Technical Quality of Incident and Allegation Activities - Questions 24-26

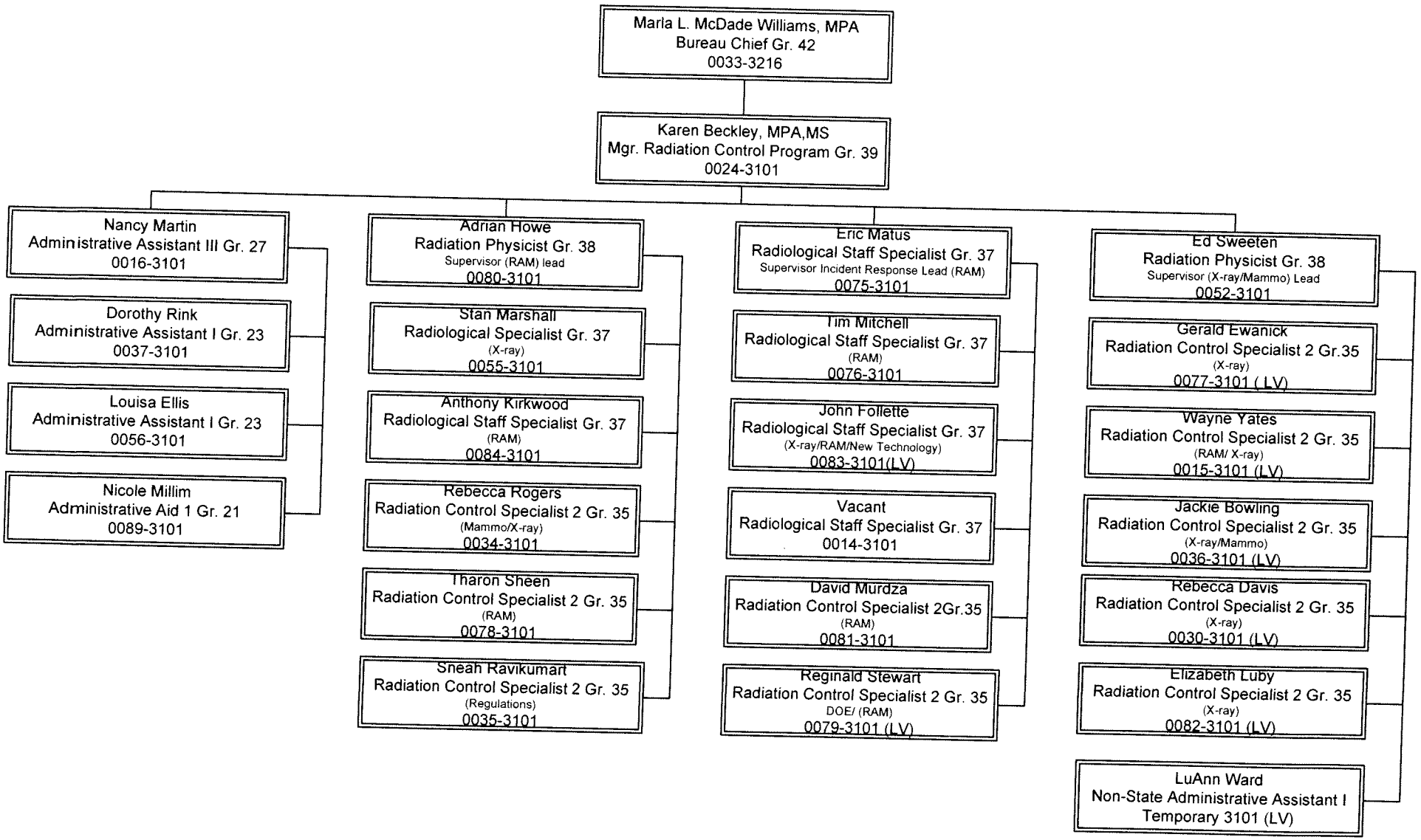
IV. Uranium Recovery Program

34. 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 18-23
Technical Quality of Incident and Allegation Activities - Questions 24-26

Response to item #2

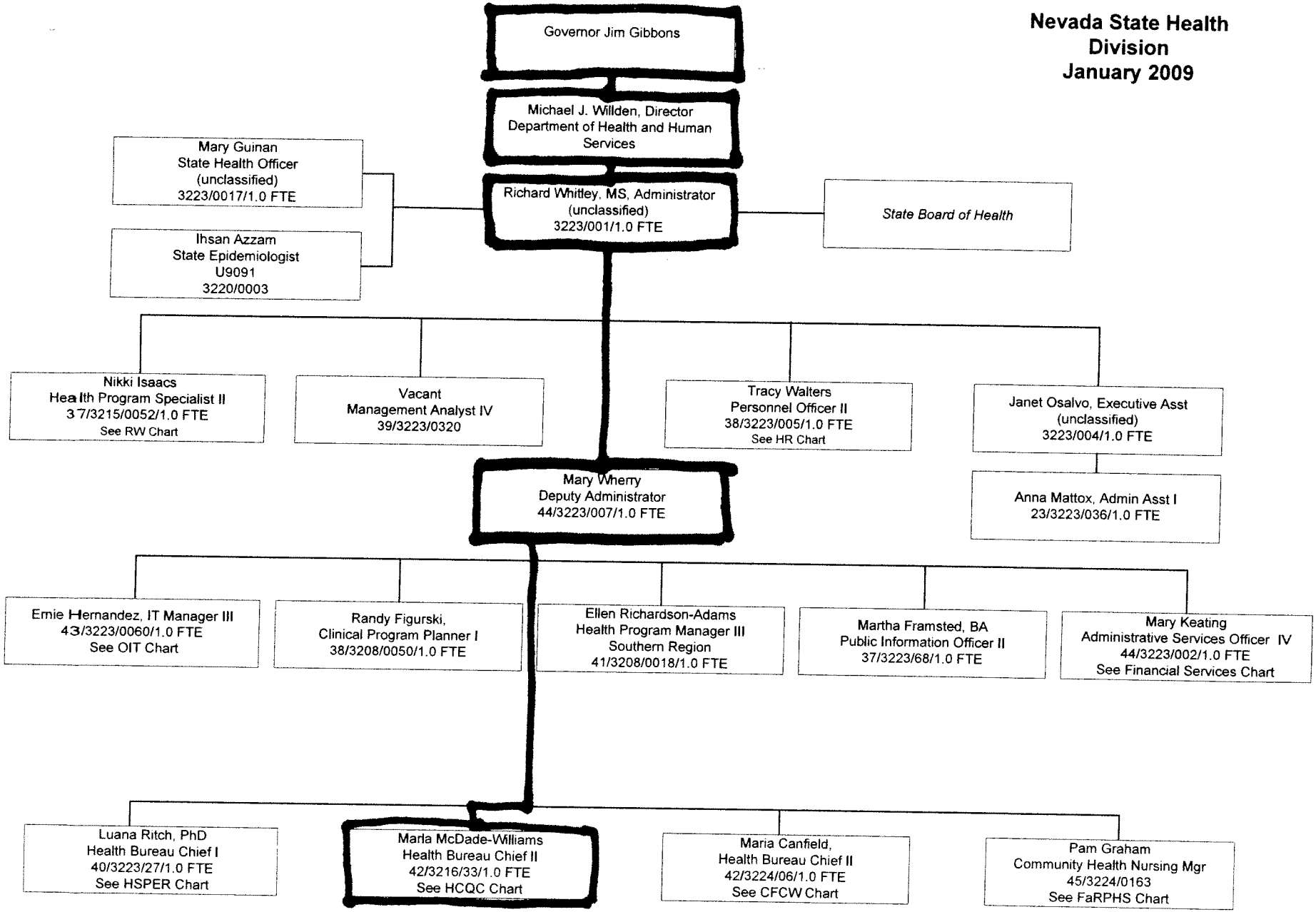
Nevada State Health Division
Bureau of Health Care Quality and Compliance
Radiological Health Section
May 4, 2009



Richard Whitley, MS, Administrator Date

Marla McDade Williams, MPA, Bureau Chief Date

Nevada State Health Division
January 2009



Richard Whitley, MS, Administrator Date

Response to item #5

Karen Beckley

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State Employment Orientation	1991					
Defensive Driving- Recurring			December 14, 2006			
Sexual Harassment- Recurring						
Health HIPAA Training		November 18, 2004				
Orientation to Public Health & Safety Prepareness				2007		
NRC H-117 Introduction to Health Physics	Equivilent through BS degree					
NRC G-109 Licensing Procedures					2008	
NRC G-108 inspection Procedures					2008	
Nuclear Gauge Safety Training		December 8, 2004				
Department of Transportation Radiological Hazmat Certification		December 8, 2004				
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training				January 8, 2007		
Classified Training as the Need to Know is necessary and relevant					May 2008	
IS- 700 National Incident Command System				2005		
IS- 800 Introduction to the National Response Plan		February 9, 2005				
IS- 100 Introduction to the Incident Command System		June 29, 2004				
IS- 200 Single Resources & Initial Action Incidents		June 5, 2003				
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification		October 22, 2003				
Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations		April 8, 2004				
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
Information Security Awareness		November 3, 2005				
Word 2000-Introduction						
Office of Emergency and Remedial Response	April 12, 1991					
Hazardous Materials Contigency Planning	September 27, 1991					
Management and Disposal of Radioactive Wastes	June 17, 1994					
1997 Environmental Enforcement Training	February 28, 1997					
Timesheet Procedures	(no date)					
RCRA Hazardous Waste Regulations	April 15, 1998					
Outlook 2000-Introduction		May 7, 2001				
Safety Coordinator Training Workshop	March 16, 1994					

Education

Educational Degrees

August 19, 1987
University of Nevada, Las Vegas
Bachelor of Science in
Radiation Physics

May 18, 1996
The University of Nevada, Reno
Master of Public Administration

May 14, 2005

University of Nevada, Las Vegas
Master of Science in Crisis
& Emergency Management

March 27, 2007
Great Basin Public Health
Leadership Institute
Advanced Leadership

EPA Quality Planning for Projects		November 30, 2000
Hazardous Waste Operations Refresher		December 8, 2000
Excel-Advanced		July 26, 2001
RESRAD Training Workshop	May 2, 1996	
Disciplinary Procedures		April 26, 2000
OSHA 8HR Hazardour Waster Site Refresher	April 9, 1997	
RCRA Hazardous Waste Regulations	October 30, 1996	
Blood Borne Pathogens		December 14, 2004
The Public Health Coordinating Center		April 4, 2005
WMD Responder operations Radiological/Nucleaur Course		November 10, 2005
Safety Coordinator Training	March 15, 1994	
OSHA 8HR Hazardous Waster Site Refresher	April 7, 1995	
OSHA 8HR Hazardous Waster Site Refresher		September 28, 2001
OSHA 8HR Hazardous Waster Site Refresher	March 18, 1998	
OSHA 8HR Hazardous Waster Site Refresher	April 24, 1992	
OSHA 8HR Hazardous Waster Site Refresher	March 31, 1994	
OSHA 8HR Hazardous Waster Site Refresher	April 3, 1996	
Radiation Safety Office	August 5, 1999	
IS 111-Livestock in Disaster		May 8, 2000
IS 011-Animals in Disaster Community Planning		June 8, 2004
IS-008-Building for the Earthquakes of Tomorrow		May 25, 2004
IS-007- A Citizen's Guide to Disaster Assistance		May 24, 2004
IS-003-Radiological Emergency Management		May 20, 2004
IS-002-Emergency Preparedness		May 19, 2004
IS-271-Anticipating Hazardous Weather & community Risk		May 10, 2004
IS-110-Animal in Disaster, Awareness, and Prepareness		June 30, 2004
IS-015-Special Contingency Planning		May 26, 2004
IS-055 Household Hazardous Materials		May 26, 2004
IS-331 Introduction to Radiological Emergency Preparedness Exercise Evaluation		June 29, 2004
AF/EPA Team Appraoch to Environmental Clean-up	April 16, 1993	July 14, 2004
Emergency Response to Terrorism: Basic Concepts		
Public Works:WMD Basic Concepts		September 11, 2003
Public Works:Preparing for and Responding to WDM/Terrorism Incidents		April 26, 2004
Basic Concepts for WDM Incidents		May 13, 2004
Exercise Moving Target		March 10, 2004
WMD Terrorism Awareness for Emergency Responders		April 1, 2004
		April 8, 2004

Larry Boschult

Training Received	1980-1999	2000-2005	2006	2007	2008	2009
State Employment Orientation	January 13, 1998					
Defensive Driving- Recurring				May 1, 2007		
Sexual Harassment- Recurring		October 19, 2005				
Health HIPAA Training	October 19, 1995					
Orientation to Public Health & Safety Prepareness	(Completed-No Date)					
NRC H-117 Introduction to Health Physics		April 4, 2005				
NRC G-109 Licensing Procedures	October 25, 1981					
NRC G-108 inspection Procedures	December 4, 1981					
Nuclear Gauge Safety Training					March 7, 2008	
Department of Transportation Radiological Hazmat Certification	September 29, 1983				April 18, 2008	
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training						
Classified Training as the Need to Know is necessary and relevant		October 25, 2005		January 8, 2007		
IS- 700 National Incident Command System						
IS- 800 Introduction to the National Response Plan						
IS- 100 Introduction to the Incident Command System						
IS- 200 Single Resources & Initial Action Incidents						
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification	February 11, 1983					
Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
Radiological Emergency Response						
Special Topics Workshop	February 11, 1983					
Gas & Oil Well Logging For Regulatory Personnel	August 29, 1990					
Financial Assurance for Decommissioning	November 7, 1986					
Legal Aspects of Enforcement	August 25, 1993					
Radiopharmaceutical Quality Assurance	April 10, 1991					
Risk and Decision Making	November 6, 1984					
Brachytherapy, Gamma Knife, and Emerging Technology	March 11, 1993					
Performance Materials Version (G-304)			December 8, 2006			
		November 17, 2005				

Education

BS in Nuclear Medicine

Larry Boschult

Essentials of Management	August 18, 1995					
How to Set and Achieve Goals	September 18, 1995					
Work Performance Standards	October 27, 1995					
Drug-Free Work Place	October 18, 1995					
Equal Employment Opportunity	October 4, 1995					
Employee Appraisal	January 29, 1996					
Radiological Training for Second Level Responders	February 26, 1998					
Radiological Training for First Level Responders-Operations Level	November 13, 1998					
Orientation in Licensing Practices and Procedures	September 25, 1981					
Industrial Radiography for State Regulatory Personnel	June 5, 1981					
Hazardous Materials Regulationon US Dept. of Transportation	September 29, 1983					
One week Medical Uses of Radionuclides Course	January 27, 1984					
Hospital Emgncy Dept. Mngment. of Radiation Accidents (G346)	October 16, 1988					
US EPA- Effective People Skill	May 4, 1984					
Advanced Medical X-ray	November 3, 1983					
FEMA Hazardous Materials in Transportation	May 17, 1981					
One week Radiation Proctection Engineering Course	November 15, 1985					
Legal Aspects of Enforcement	April 10, 1991					
Inspection Procedures	December 4, 1981					
Radiological Refresher Training	April 20, 1988					
Hazardous Materials Incidents	July 14, 1984					
Wrongdoing Awareness Workshop	May 3, 1995					
Industrial Radiography	August 27, 1996					
NRC Event Reporting	February 8, 1995					
NRC Agreement State Technical Workshop	March 6, 1996					
Performance Materials Version (G-304)		November 15, 2005				
Brachytherapy, Gamma Knife, and Emerging Technology			December 4, 2006			
Rocky Mountain Low Level Waste Board Meeting	August 8, 1997					
Low Level Waste Forum	February 14, 1997					
Information Security Awareness		November 1, 2005				

Adrian Howe

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State Employment Orientation						
Defensive Driving- Recurring						
Sexual Harassment- Recurring			December 14, 2006			
Health HIPAA Training						
Orientation to Public Health & Safety Prepareness	March 17, 1992					
NRC H-117 Introduction to Health Physics				March 12, 2007		
NRC G-109 Licensing Procedures	June 7, 1996					
NRC G-108 inspection Procedures	September 23, 1996				March 7, 2008	
Nuclear Gauge Safety Training	March 5, 1997					
Department of Transportation Radiological Hazmat Certification						
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training		October 25, 2008				
Classified Training as the Need to Know is necessary and relevant						
IS- 700 National Incident Command System						
IS- 800 Introduction to the National Response Plan						
IS- 100 Introduction to the Incident Command System		March 20, 2001				
IS- 200 Single Resources & Initial Action Incidents		March 20, 2001				
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification						
Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
MQSA Training Course III		5/17/2001				
MQSA Training Course II		4/11/2001				
Safety Aspects of Indiustrial Radiography (H-305)	August 15, 1997					
Diagnostic & Therapeutic Medicine (H-304)	June 28, 1996					
Information Security Technology		November 4, 2005				

Education

1979

Community College of the Air Force
Associate of Applied Sciences (A.A.S.)
Radiologic Technology

Recomended Release: Indpndnt. Fluoroscopic Eqpt Inspect.	December 11, 1996					
DOE security training 08						
Use of Nuclear Testing Equipment	March 5, 1997				January 8, 2008	
Emerrgency and Remidial Response	December 10, 1990					
Hazardous Material 8hr refresher	March 17, 1992					
Hospital Management of Radiation Accidents	March 3, 2008					
Radiological Training for First Responders Awareness Lev	November 6, 1998					
Radiological Training for Second Level Responders	February 26, 1998					
8HR Health & Safety Refresher Course	March 24, 1994					
DOP Mand Supv. Progressive Disc	Completed No date					
DOP Mand Supv. Interviewing	Completed No date					
DOP Mand Supv. Alcohol & drug	Completed No date					
DOP Mand Supv. Handling Grievances	Completed No date					
DOP Mand Supv Evaluating Employees	Completed No date					
Dop Managing Meetings	Completed No date					
Sampling & Evaluating Airborner Asbestos Dust	June 8, 1990					
Abestos Abatement for Roofing Industry	February 9, 1990					
Radon Diagnostics and Mitigation Workshop	November 3, 1989					
5Wk Health Physics & Radiation Protection Course	3/9/1984					
Radiological Emergency Response Course	4/22/1983					

John Follette

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State employment Orientation						
Defensive Driving- Recurring						
Sexual Harassment- Recurring			July 26, 2006			
Health HIPAA Training		July 5, 2005				
Orientation to Public Health & Safety Preparedness		October 13, 2005				
Information Security Awareness					January 23, 2008	
Budget 101: Introduction to State Budgeting		November 30, 2005				
Safeguards Information			March 8, 2006			
NRC Materials and Control & Security Systems					October 2008	
RESRAD Training Workshop			February 17, 2006			
RESRAD Build Training Workshop		June 28, 2005				
RESTAD & RESTAD Probablistic Training		June 29, 2005				
Radiological Worker II		July 1, 2005				
OSHA 8HR HAZWORKER		April 5, 2005				
Standard First Aid/CPR/AED		October 28, 2004				
8HR Hazworker Supervisor Training		May 25, 2005				
Certificate for Respirator Use		March 19, 2003				
RCRA Solid & Hazardous Waste refresher		February 19, 2003				
Module 1-Basic Hazardous Materials Transportation		November 13, 2002				
Module 2-Basic Hazardous Waste Transportation		August 11, 2003				
Module 3-Basic Radioactive Material Transportation		August 11, 2003				
Brachytherapy and Gamma Knife (H-313)		August 11, 2003				
Diagnostic & Therapeutic Nuclear Medicine (H-304)					September 26, 2008	
FedEx Ground Package System					August 15, 2008	
Hazardous Material's Drivig Training					August 21, 2008	
IT Site Safety Officer Training		July 24, 2003				
Pre-Hospital Practices for Radiologically Contaminated Victims	December 6, 1999					
Radiological Asssessment Exercise & Case Study					January 30, 2008	
Emergency response to Accidents Involving Radioactive Materials					January 30, 2008	
					January 30, 2008	

Education

1992
University of Las Vegas
BS in Radiological Health
Health Physics

1993
Certificate in
Business Managment
American Management Assoc.

Ionizong Radiation & the Biological Effects				November 20, 2007		
Highway Shipment of Spent Fuel				November 20, 2007		
45HR Site Safety Safety Office Training Course	December 10, 1999					
Hazardous Waste Supervisor	July 1, 1999					
Hazared & Protection Refresher	June 16, 1999					
Excavation Safety for the Competent Person	April 1, 1999					
Blood Borne Pathogens	August 27, 1999					
Confined Space Entry Supervisor	March 31, 1999					
OSHA 40HR Hazardous Waste Site Training	September 18, 1998					
Nevada Test Site Access Safety Orientation			February 27, 2006			
hazwoper: Medical Clearance		October 24, 2004				
DOE Classification Office Mandatory Awareness					February 26, 2008	
NRC G-109 Licensing Course					March 7, 2008	
CRCPD Conference					May 21, 2008	
FedEx Ex Haz MatShipping					July 2008	
DOE Annual Security Training					September 2008	
Radiological Dispersal Devices Training					November 2008	
NHP Haz Mat Team Radiological Survey /WIPP shipment					November 2008	
GENIE Spectroscopy System Management		August 2004				
GENIE Gamma Spectroscopy System	September 22, 1992					
1WK Gamma Spectroscopy Course	March 13, 1992					
Radiation Detection and Measurement	August 21, 1992					
Internal Radiation Dosimeter	January 18, 1992					
Understanding Digital Radiography				March 24, 2007		
Blood Borne Pathogens				February 28, 2007		
Work Place Safety Awareness				February 28, 2007		
Dealing with Difficult People			October 11, 2006			
NRC Materials Controls & Security System and Principles Course			February 17, 2006			
DOT:Radioactive Material Shipper		August 24, 2000				
DOT: Radioactive Material Transportation		August 11, 2000				
DOT: Hazardous Waste Transportation		August 24, 2000				
OSHA Hazwoper 24 HR Supervised on the Job		April 18, 2000				

OSHA Hazwopr 8 HR supervisor training	December 10, 1999					
OSHA Hazwoper 8HR Annual Refresher	December 10, 1999					
OSHA Excavation Competent person	December 10, 1999					
OSHA Hazard Communication	December 10, 1999					
OSHA Bloodborne Pathogen	December 10, 1999					
Osha Confined Space EntrySupervisor, Attendant, Entrant	December 10, 1999					
First Aid Provider: Immunization HEPB-2	October 6, 1999					
First Aid Provider: Immunization HEPB-1	August 30, 1999					
First Aid Provider: Tetanus						
GENIE Spectroscopy System Management	August 14, 1994					
Licensing Practices and Procedures (G 109)					March 7, 2008	

Anthony Kirkwood

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
Class Required						
State Employment Orientation						
Defensive Driving- Recurring						February 26, 2009
Sexual Harassment- Recurring					January 12, 2008	
Health HIPAA Training						February 11, 2009
Orientation to Public Health & Safety Prepareness						
NRC H-117 Introduction to Health Physics						January 26, 2009
NRC G-109 Licensing Procedures	November 20, 1995					
NRC G-108 inspection Procedures						
Nuclear Gauge Safety Training						
Department of Transportation Radiological Hazmat Certification						
NRC H-308 Transportation of Radioactive Materials	12/23/1987------- 11/8/88					
DOE Annual Security Orientation & Training						
Classified Training as the Need to Know is necessary and relevant						
IS- 700 National Incident Command System						
IS- 800 Introduction to the National Response Plan						
IS- 100 Introduction to the Incident Command System						
IS- 200 Single Resources & Initial Action Incidents						
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification						
Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						

Educational Degrees

Bachelor of Science of Radiation Science

Associate Degree in Radiation Technology

Registered Radiation Protection Technologist

Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
Materials Inspection Certificate	January 31, 1989					
Regional Inspector Training	December 22, 1989					
Fundamentals of Inspection Course (G-101)	September 23, 1988					
Gamma Spectroscopy	September 2, 1988					
Inspecting for Performance (G-303)	March 30, 1988					
Management Oversight and Risk Tree and training for Accident/ Incident Investigation	November 6, 1987					
Independent Measruements (H-310)	October 8, 1987					
Westinghouse Technology Course (R-104P)	April 15, 1988					
BWR Technology Course (R-106B)	September 28, 1987					
Radiological Monitoring, Sampling and Analysis at Nuclear Facilities	September 25, 1987					
Compliance with the New 10 CFR20	September 24, 1986					
Radiation Emergency Planning and Management	January 13, 1984					
Health Physics in Radiation Accidents	September 23, 1983					
Internal Radiation Dosimetry	June 17, 1983					
Preperation for the ABHP Certification Examination	May 26, 1981					
Air sampling for Radioactive Materials	June 13, 1986					
Implementing and Ausiting an ISO 9000 Quality Sysytem		September 15, 2000				
Transportation of Radioactive Materials						
Diagnostic and Therapeutic Nuclear Medicine	August 7, 1989					
Safety Aspects of Industrial Radiography	July 28, 1989					
Health Physics Technology	December 18, 1989					
Troxler Electronic Laboratory	June 7, 1990					
Pool-Type Irradiator Technology (H-315)	October 1, 1990					
Non-Power Reactor Technology (G-106)	November 6, 1991					
Technical Writing	July 22, 1994					
Internal Dosimetry and Whoel Body Counting (H-312)	June 17, 1995					
Safety Aspects of Well Logging (H-314)	November 1, 1996					

Health Physics Topical Review (H-401)	February 20, 1996					
Health Physics Topical Review Transportation (H-401)	February 8, 1996					
Root Cause/ Incident Investigation Workshop (G-205)	April 18, 1997					
Keyboarding/ Computer Typing	March 13, 1997					
Reactor Inspection and Oversight Program (G-200)		March 17, 2000				
Introduction to Risk Assesment in NMSS (P-400)		March 8, 2001				
RESRAD (H410)		September 12, 2003				
Radiographic Imaging from the Masters Acquisition Certification and Training Program		June 30, 2005		October 20, 2007		
Laser Microwave Hazards Workshop	March 20, 1981					
Allegation Training						
Computer Security Awareness Self-Study					July 22, 2008	
					July 23, 2008	

Paul Liebendorfer

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State employment Orientation						
Defensive Driving- Recurring						
Sexual Harassment- Recurring			November 20, 2006			
Health HIPAA Training						
Orientation to Public Health & Safety Preparedness			June 15, 2006			
DOE Security Training				March 12, 2007		
				January 8, 2007		

Education

P.E. (professional engineer's license)

B.S. in Engineering.

Eric Matus

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State Employment Orientation	December 10, 1999					
Defensive Driving- Recurring	no date was completed					
Sexual Harassment- Recurring						
Health HIPAA Training		October 13, 2005		July 25, 2007		
Orientation to Public Health & Safety Prepareness				March 12, 2007		
NRC H-117 Introduction to Health Physics						
NRC G-109 Licensing Procedures					March 7, 2008	
NRC G-108 inspection Procedures			September 22, 2006			
Nuclear Gauge Safety Training			December 13, 2006			
Department of Transportation Radiological Hazmat Certification			December 13, 2006			December 13, 2009
NRC H-308 Transportation of Radioactive Materials						June 20, 2008
DOE Annual Security Orientation & Training						
Classified Training as the Need to Know is necessary and relevant			October 18, 2006			
IS- 700 National Incident Command System		November 23, 2005				
IS- 800 Introduction to the National Response Plan						
IS- 100 Introduction to the Incident Command System		March 30, 2004				
IS- 200 Single Resources & Initial Action Incidents		March 30, 2004				
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification		January 8, 2001				
Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations		November 10, 2005				
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						

Education

1995
Western Nevada College
Associate of General Studies

1998
University of Nevada Reno
BS in Environmental Science

Orise Handling Radiation Emergencies						
40 HR Environmental Monitoring Course				July 18, 2007		
Ultraradiac Operations Course				May 11, 2007		
Annual Security Refresher Briefing				August 14, 2007		
Information Security Awareness			October 18, 2006			
ORAU 5 wk. Applied Health Physics		October 25, 2005				
Certicate of Appreciation						
I-400 Incident Command-Advanced				February 12, 2007		
I-300 Incident Command- Intermidiate		March 8, 2005				
Quad County Hazmat -Fixed Facility		April 2, 2004				
Hazmat Incident Command & Anti-terrorism		August 7, 2004				
Hazmat Technique-USEPA		2004				
Hazwoper Refreshers		April 9, 2004				
Fast Water Emergency Response-Oil Spells		December 12, 2003				
Radiation Response- USEPA		October 9, 2003				
Weapons of Mass Destruction		September 23, 2003				
Criminal Environmental Investigators		June 25, 2003				
Hazwoper Refreshers		September 7, 2001				
Environmental Inspector		August 10, 2001				
NRC Materials Control & Security Systems		6/8/2001				
Radon & Radon Decay Measurement		4/12/2001				
Nuclear Regulatory Commission Training		6/2/2006				
			July 17, 2008			

Timothy Mitchell

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State Employment Orientation						
Defensive Driving- Recurring						
Sexual Harassment- Recurring			December 14, 2006			
Health HIPAA Training						
Orientation to Public Health & Safety Prepareness						
NRC H-117 Introduction to Health Physics				March 30, 2007		
NRC G-109 Licensing Procedures			September 11, 2006			
NRC G-108 inspection Procedures				April 9, 2007		
Nuclear Gauge Safety Training			December 13, 2006			
Department of Transportation Radiological Hazmat Certification						December 13, 2009
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training				January 8, 2007		
Classified Training as the Need to Know is necessary and relevant						
IS- 700 National Incident Command System			November 8, 2006			
IS- 800 Introduction to the National Response Plan				June 5, 2007		
IS- 100 Introduction to the Incident Command System			November 13, 2006			
IS- 200 Single Resources & Initial Action Incidents			November 15, 2006			
IS- 301 Radiological Emergency Response			December 18, 2006			
40HR Hazardous Waste Operations & Emergency Response Certification				February 16, 2007		
Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor				April 27, 2007		

Education

Community College of the Air Force
Information Systems

Boise State University
Environmental Studies

Fundamenta ls of Health Care Emergency				August 27, 2007		
Modular Emergency Response Radiological Transportation				June 21, 2007		
NRC Security Increased Controls				December 14, 2007		
WMD Radiological Nucleaur Awareness				October 9, 2007		
Medical Planner's FEMA				August 5, 2007		
Field Examinations			February 19, 2006			
FDA Regulated Product Labeling						
FDA Good Guidance Practices			February 17, 2006			
FDA Establishment Inspection Report Writing			February 17, 2006			
FDA Establishment Inspection			January 1, 2006			
FDA 483s: Inspection Observations			January 1, 2006			
Evidence and Proof		December 31, 2005				
Emergency Preparedness & Response		December 31, 2005				
Bioterrorism Act of 2002- Food Facilities		December 31, 2005				
Bioterrorism Act of 2002-Prior Notice		November 28, 2005				
Basics of HAACP: The Principles		November 28, 2005				
Basics of HAACP: Prerequisite Programs		November 28, 2005				
Basic of HAACP: Overview		November 28, 2005				
Intro: Public Health Security & Bioterrorism		November 28, 2005				
Certified Public Manager						
40HR Environmental Monitoring Course				May 11, 2007		
Annual Security Briefing			October 18, 2006			
WMD Radiological Nucleaur Awareness				October 9, 2007		
5 Wk Applied Health Physics						
OPSEC Awareness Training						
Safety Aspects of Industrial Radiography H-305						January 9, 2009
Nuclear Regulartory Commission training event					October 24, 2008	
					July 17, 2008	

Murdza, David

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
Class Required						
State Employment Orientation						
Defensive Driving- Recurring					December 4, 2008	
Sexual Harassment- Recurring						
Health HIPAA Training						
Orientation to Public Health & Safety Prepareness						
NRC H-117 Introduction to Health Physics						
NRC G-109 Licensing Procedures			September 15, 2006			
NRC G-108 inspection Procedures						
Nuclear Gauge Safety Training						
Department of Transportation Radiological Hazmat Certification						
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training						
Classified Training as the Need to Know is necessary and relevant						
IS- 700 National Incident Command System						
IS- 800 Introduction to the National Response Plan						
IS- 100 Introduction to the Incident Command System				August 6, 2007		
IS- 200 Single Resources & Initial Action Incidents						
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification						

Educational Degrees

2001

AAS in Computer Networking
Pioneer Pacific College

Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
Radiation Safety Officer Training Class					March 6, 2008	
Radiation Safety and Use of Portable Nuclear Gauges			August 10, 2006			

Intro. to Rad Safety

4/09

Tharon Sheen

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State Employment Orientation						
Defensive Driving- Recurring						April 8, 2009
Sexual Harassment- Recurring						March 17, 2009
Health HIPAA Training						
Orientation to Public Health & Safety Prepareness						
NRC H-117 Introduction to Health Physics						
NRC G-109 Licensing Procedures						
NRC G-108 inspection Procedures						
Nuclear Gauge Safety Training						
Department of Transportation Radiological Hazmat Certification						
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training						
Classified Training as the Need to Know is necessary and relevant						
IS- 700 National Incident Command System						April 14, 2009
IS- 800 Introduction to the National Response Plan						
IS- 100 Introduction to the Incident Command System						April 9, 2009
IS- 200 Single Resources & Initial Action Incidents						April 9, 2009
IS- 301 Radiological Emergency Response						
40HR Hazardous Waste Operations & Emergency Response Certification						

Education

2007

BS of Science
Nuclear Medicine
University of Nevada, Las Vegas

Certified in Nuclear Medicine Technology

ARRT-8/2007-07/2008

Nuclear Medicine Technology

Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
Survey and Contamination Control						April 17, 2009
Personnel Monitoring for Radiation Exposure						April 17, 2009
Radiation Safety Principles						April 17, 2009
Lymphoscintigraphy & Sentinel Node Mapping						April 16, 2009
Bone Pain Palliation						April 16, 2009
Hepatobiliary Imaging						April 16, 2009
PET/CT Imaging Overview						April 16, 2009
PET Myocardial Imaging						April 13, 2009
PET Technology Introduction						April 12, 2009
Intro to Clinical PET						April 8, 2009
Reimbursement for FDG PET						April 8, 2009
Myocardial Perfusion Imaging						November 9, 2008
Myocardial Perfusion Imaging Review						October 28, 2008
Needle Safety& Nucleaur Medicine						April 24, 2008
Hepatobiliary Imaging: Case Review						April 5, 2009
Radiopharmacy (028483)						April 5, 2009
Non-imaging (028484)						April 5, 2009
Non-imaging (028485)						April 5, 2009
Radiopharmacy (028486)						April 5, 2009

Reginald Stewart

Training Received	1980-1990's	2000-2005	2006	2007	2008	2009
State Employment Orientation						
Defensive Driving- Recurring					April 2, 2008	
Sexual Harassment- Recurring					April 22, 2008	
Health HIPAA Training					June 30, 2008	
Orientation to Public Health & Safety Prepareness					February 20, 2008	
NRC H-117 Introduction to Health Physics					March 19, 2008	
NRC G-109 Licensing Procedures						
NRC G-108 inspection Procedures					March 7, 2008	
Nuclear Gauge Safety Training					April 18, 2008	
Department of Transportation Radiological Hazmat Certification						
NRC H-308 Transportation of Radioactive Materials						
DOE Annual Security Orientation & Training						
Classified Training as the Need to Know is necessary and relevant						
IS- 700 National Incident Command System						
IS- 800 Introduction to the National Response Plan						April 17, 2009
IS- 100 Introduction to the Incident Command System						
IS- 200 Single Resources & Initial Action Incidents						April 15, 2009
IS- 301 Radiological Emergency Response					April 16, 2009	
40HR Hazardous Waste Operations & Emergency Response Certification						

Education

2008

BS in Environmental Science
Regis University

Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations						
Mentorship as Deemed Appropriate by the Incident Response Team Supervisor						
IS 00003 Radiological Emergency Management						
Consultation & accountibility						
GSPCOM Training						
Safeguard Information						February 24, 2009
Diagnostic and Therapeutic Nucleur Medicine (H-304)					October 2008 August 15, 2008	

Response to item #6

Bureau of Health Care Quality and Compliance
Radiological Health Section

Training Standards for RAM Team Members

All staff members will have a five year training plan that will require reoccurring training within the Radioactive Material specialties to assure team members stay current regarding regulatory issues, equipment use, health and safety procedures, classified issues, security and current incident response procedures.

The five year training plan will also be utilized to create a minimum standard of training for all personnel on the RAM team. This includes the training of staff members are to new to the Radiological Health Section and to mentor junior staff who currently are not technical assets to the section.

The courses offered by the NRC that have free tuition cost should be utilized to keep training costs low. Within the 5 year training plan the Radiological Health Section will try to schedule a minimum of one Nuclear Regulatory Commission (NRC) course per year in the state of Nevada. This will be the responsibility of the education training lead or someone designated by the Radiological Health Section supervisor.

On occasion it will be necessary to send a staff member to an NRC course or equivalent where tuition is required to guaranty space in the class. This determination will be based on the needs of the program and the training requirements of the staff members. The Radiological Health Section supervisor will determine if a staff member will be required to attend a training course if there is a tuition cost.

All copies of training for team members will be kept in personnel folders. The staff member's supervisor has the responsibility to ensure that the individual training and mentorship records are in order.

Course names listed below are specific, however some courses have equivalents offered through agreement states, federal entities, university systems and professional organizations. These equivalent courses will be accepted and/or utilized for training based on the needs and experience of RAM Team members. The courses will be listed as required, recommended (*) and optional (**).

Mandatory State Health Division Training

1. State Employment Orientation
2. Defensive Driving - reoccurring
3. Sexual Harassment – reoccurring
4. Health HIPPA Training
5. Orientation to Public Health and Safety Preparedness

Mandatory Training for all RAM Team Members

All Team members must complete the following minimum training to be with in the standard set by the Radiological Health Section supervisor.

1. NRC H 117, Introduction to Health Physics or equivalent experience
2. NRC G-109, Licensing Procedures
3. NRC G-108, Inspection Procedures
4. Nuclear Gauge Safety Training
5. Department of Transportation Radiological Hazmat Certification
6. NRC - H 308, Transportation of Radioactive Materials
7. Classified Training as Need to Know as necessary and relevant
8. * NRC – H 201, Health Physics Technician, two week course
9. * Applied Health Physics, 5 week course at Oakridge

http://www-nrc-training.ornl.gov/NRC/ttd/catalog.htm

http://www.troxlerlabs.com/TRAINING/training.shtml

http://fireacademy.unr.edu/

Mandatory Federal Emergency Management Training For All Team Members

1. IS - 700, National Incident Command System
2. IS - 800, Introduction to the National Response Plan
3. *ICS – 100, Introduction to the Incident Command System
4. *ICS - 200, Single Resources and Initial Action Incidents
5. *ICS-300, Intermediate ICS for Expanding Incidents for Operational First Responders- attend at local level
6. ** ICS – 301, Radiological Emergency Response
7. ** ICS- 302, Modular Emergency Rad Response Transportation Training
8. ** ICS – 400, Advanced Incident Command System– attend at local level

http://training.fema.gov/

Incident Response Team Member Standards

Primary incident response team members are required to attend the recommended training. Team members need to remain current on OSHA approved occupational health physicals, respiratory protection questionnaires and dosimetry.

1. 40 hour Hazardous Waste Operations and Emergency Response Certification
2. Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear Responder Operations.
3. *ICS – 300, Expanding Incidents - attend at local level
4. *ICS – 301, Radiological Emergency Response
5. * Counter Terrorism Operations & Support Weapons of Mass Destruction Radiological Nuclear HAZMAT Technician Course
6. * 80 hour Hazardous Waste Technician and Emergency Response Certification
7. ** ICS- 302 or Modular Emergency Rad Response Transportation Training
8. ** ICS – 400, Advanced Incident Command System – attend at local level
9. ** NRC H - 111, Environmental Monitoring
10. ** NRC H – 119, Air Sampling
11. Mentorship as deemed appropriate by the Incident response team supervisor

http://tmcc.augusoft.net/index.cfm?fuseaction=1011&CategoryID=4&SubCategoryID=12

http://fireacademy.unr.edu/

http://www.nv.doe.gov/nationalsecurity/homelandsecurity/responder.htm

Duty Officer Team Member Standards

The minimum training standards must be completed before a RAM team member is authorized to enter into the duty officer rotation.

1. Demonstrated the ability to be available via work phone during standard work hours and off hours (determined by Incident Response Team supervisor)
2. Minimum of 6 months work experience
3. Completed IS - 700, National Incident Command System
4. ICS – 100, Introduction to the Incident Command System

5. Mentorship as deemed appropriate by the Incident Response Team supervisor

Training for RAM Licensee Reviewers

A license reviewer and an inspector for the RAM program will need to attend training courses within the specific area of RAM they are reviewing or inspecting. License reviewers' and inspectors' must have the appropriate mentorship (determined by supervisor) before they will be certified within a specific expertise. Dates certified will be noted in personnel records by a letter from the supervisor.

1. Completion of Mandatory training requirements
2. * NRC H – 304, Nuclear Medicine
3. * NRC H – 305, Industrial Radiography
4. * NRC H – 313, Brachytherapy & Gamma Knife
5. * NRC Increased Controls Inspection Course
6. * *NRC H – 314, Well Logging
7. * *NRC H – 315, Irradiator Technology

The supervisor of the Radiological Health Section may add, change or alter the RAM training program to meet the needs of the program. This is necessary to meet the dynamic regulatory standards of a Radiological Materials program and to have a well trained staff.

Any questions, comments or concerns contact the Radiological Health Section training lead or Radiological Health Section supervisor.

Reviewed for program continuity 2/25/2009 - TDM

February 25, 2009

Karen K. Beckley, M.P.A., M.S.
Supervisor, Radiological Health Section
Bureau of Health Care Quality and Compliance

Response to item #14

BUREAU OF HEALTH CARE QUALITY AND COMPLIANCE

Radiological Health Section

Reciprocity Processing Checklist

Company _____ Date Received_____

Assigned to_____ Date Assigned_____

Has the company paid the appropriate fee for 180 days of reciprocity? Yes No
If not paid notify company and do not allow for reciprocity.

Does the company have enough days left to support the reciprocity? Yes No
If not notify the company as soon as possible.

Is the company name and address correct? Yes No
This information includes the company name, address and phone number.
If incorrect please notify company as soon as possible.

Do we have the requestor's license and is it current? Yes No
If the license or amendment is not current contact the radiation authority who granted the license, to include all agreement states and the NRC.

Verify license with State of issuance or NRC on all reciprocities. Yes No
Check compliance, inspection history and for outstanding violations.

Is the RSO name and contact information correct? Yes No
If the RSO information is not correct then initiate contact.

Are radiation sources asked to be used listed on the requestor's license? Yes No
Check NRC SSDR about radiation source material if necessary.

Is the location of use and management contact information provided? Yes No
This includes a point of contact, address and dates of use. Check license to assure use location limitations do not exist. Initiate contact if needed.

Is the reciprocity letter signed by the Radiological Health Supervisor? Yes No

Return the finished reciprocity to clerical staff for distribution. Yes No
If clerical staff is not available please fax to the licensee.
Time faxed_____ Date faxed_____

Comments_____

Attach Well Logging Special Conditions if a Well Logging Reciprocity is Completed

Clerical Staff Completion Date _____ By_____

Technical Review Completion Date _____ By_____

Peer Review (if necessary) Date _____ By_____

Do not allow for reciprocity if these requirements can not be met.

Bureau of Health Care Quality and Compliance
Radiological Health Section

Reciprocity License Validation Sheet

Verifying Agency _____ License #_____

Contact from Agency_____ Amendment #_____

Compliance History_____

RAM Team Member Initials_____ Date Verified_____

All Licenses for Reciprocity Clients Must Be Verified Annually

Bureau of Health Care Quality and Compliance
Radiological Health Section

Reciprocity License Validation Sheet

Verifying Agency _____ License #_____

Contact from Agency_____ Amendment #_____

Compliance History_____

RAM Team Member Initials_____ Date Verified_____

All Licenses for Reciprocity Clients Must Be Verified Annually

Bureau of Health Care Quality and Compliance
Radiological Health Section

Reciprocity License Validation Sheet

Verifying Agency _____ License #_____

Contact from Agency_____ Amendment #_____

Compliance History_____

RAM Team Member Initials_____ Date Verified_____

All Licenses for Reciprocity Clients Must Be Verified Annually

Response to item #15

JIM GIBBONS
Governor

MICHAEL J. WILLDEN
Director

STATE OF NEVADA

ALEX HAARTZ, MPH
Administrator

State Health Officer

DEPARTMENT OF HEALTH AND HUMAN SERVICES
HEALTH DIVISION
BUREAU OF HEALTH PROTECTION SERVICES

☐ Bureau Administration
4150 Technology Way Ste. 300
Carson City, NV 89706
(775) 687-7550
Fax (775) 687-7552

√ Radiological Health
4150 Technology Way Ste. 300
Carson City, NV 89706
(775) 687-7550
Fax (775) 687-7552

☐ Environmental Health
4150 Technology Way Ste. 300
Carson City, NV 89706
(775) 687-7550
Fax (775) 687-7552

☐ Public Health Rating and Survey Officer
475 W. Haskell, Ste. 52
Winnemucca, NV 89445
(775) 623-6591
Fax (775) 623-6592

☐ Health Protection Services
2080 E. Flamingo, Ste. 319
Las Vegas, NV 89119
Environmental Health
(702) 486-5068
Radiological Health
(702) 486-5280
Fax (702) 486-5024

☐ Health Protection Services
850 Elm Street
Elko, NV 89801-3349
(775) 753-1138/1140

☐ Health Protection Services
475 W. Haskell Street, Rm. 38
Winnemucca, NV 89445
(775) 623-6588
Fax (775)623-6528

☐ Health Protection Services
155 N. Taylor Street, Ste. 157
Fallon, NV 89406-3324
(775) 423-2281
Fax (775) 423-0259

☐ Health Protection Services
501 Mill Street
PO Box 151210
Ely, NV 89315
(775) 289-3325
Fax (775)289-1463

☐ Health Protection Services
100 Frankie Street
P.O. Box 667
Tonopah, NV 89049-0667
(775) 482-3997
Fax (775)482-6975

EMERGENCY HOTLINE
1-877-438-7231

July 26, 2007

Name
Address

Re: Acknowledgement of Actions and Planned Actions to Bring the Operations of in to Compliance

Dear:

Your letter dated . is acknowledged. The letter describes the actions and planned actions to correct the violations documented during your recent inspection

The corrective actions will be reviewed in our next inspection for their effectiveness. The next inspection will be conducted with in one year of the inspection where violations were noted.

Forms, regulations and other information may be accessed at the radiological Health Section's web site.
http://health.nv.gov/index.php?option=com_content&task=view&id=291&Itemid=451

If you have any questions please call our office at (775) 687 7550

Sincerely,

Timothy D. Mitchell
Radiation Control Specialist II
Radiological Health Section
Bureau of Health Protection Services

JIM GIBBONS
Governor

MICHAEL J. WILLDEN
Director

STATE OF NEVADA

ALEX HAARTZ, MPH
Administrator

State Health Officer

DEPARTMENT OF HEALTH AND HUMAN SERVICES
HEALTH DIVISION
BUREAU OF HEALTH PROTECTION SERVICES

☐ Bureau Administration
4150 Technology Way Ste. 300
Carson City, NV 89706
(775) 687-7550
Fax (775) 687-7552

√ Radiological Health
4150 Technology Way Ste. 300
Carson City, NV 89706
(775) 687-7550
Fax (775) 687-7552

☐ Environmental Health
4150 Technology Way Ste. 300
Carson City, NV 89706
(775) 687-7550
Fax (775) 687-7552

☐ Public Health Rating and Survey Officer
475 W. Haskell, Ste. 52
Winnemucca, NV 89445
(775) 623-6591
Fax (775) 623-6592

☐ Health Protection Services
2080 E. Flamingo, Ste. 319
Las Vegas, NV 89119
Environmental Health
(702) 486-5068
Radiological Health
(702) 486-5280
Fax (702) 486-5024

☐ Health Protection Services
850 Elm Street
Elko, NV 89801-3349
(775) 753-1138/1140

☐ Health Protection Services
475 W. Haskell Street, Rm. 38
Winnemucca, NV 89445
(775) 623-6588
Fax (775)623-6528

☐ Health Protection Services
155 N. Taylor Street, Ste. 157
Fallon, NV 89406-3324
(775) 423-2281
Fax (775) 423-0259

☐ Health Protection Services
501 Mill Street
PO Box 151210
Ely, NV 89315
(775) 289-3325
Fax (775)289-1463

☐ Health Protection Services
100 Frankie Street
P.O. Box 667
Tonopah, NV 89049-0667
(775) 482-3997
Fax (775)482-0975

EMERGENCY HOTLINE
1-877-438-7231

Certified Mail NO.

July 25, 2007

Name
Address

Re: Failure to Respond to Notice of Violation

Dear:

This letter is in reference to the Inspection Findings and Acknowledgement form dated . Our office has not received your written response within the thirty day period which is specified on the Inspection Findings and Acknowledgement form.

This matter will be referred for appropriate legal action if a written response is not received by .(10 days)

If you have any questions please call our office at (775) 687 7550

Sincerely,

NEVADA STATE HEALTH DIVISION
RADIOACTIVE MATERIAL INSPECTION REPORT

1. License Type: **GAUGES** ☐ Fixed ☐ Portable
2. Licensee Name and Address: Logged by on

3. License No. Exp. Date
License Fees are Current: ☐Yes ☐No (NAC 459.203)
4. Last Amendment No. Amendment Date
5. Date Amended in its Entirety
6 Date of this Inspection
7 Contact Phone No.
8. Priority 5 Last Inspection
9. Type of Inspection (check all that apply):
☐ Announced ☐ Unannounced ☐ Reciprocity ☐ Attempted
☐ Routine ☐ Initial ☐ Investigation/Incident
☐ Full ☐ Partial ☐ Follow-up ☐ Field
10. Next Inspection Due Inspector should identify any gauges not in use and in permanent storage. If such gauges are identified the licensee should be put on increased inspection frequency and so advised. Any gauges in storage? ☐ Yes ☐ No
11. SUMMARY OF FINDINGS AND ACTIONS:
☐ No Violations ☐ Violations Number
☐ No Items of Concern ☐ Items of Concern Number
☐ No Recommendations ☐ Recommendations Number

Compliance notice issued for: ☐ Violations ☐ Items of Concern
☐ Recommendation ☐ All items in Compliance

Inspection Findings:

a. No violations noted. No response required. ☐

b. See violations identified in Item 13. ☐

Inspectors Signature: _____ Date: _____

12. Inspector _____ Date Signed ___/___/___
(Signature)

Inspector _____ Date Signed ___/___/___
(Signature)

RAM\INSPRPT.GAG Revised 8/97

Reviewed: _____ Date Signed ___/___/___

(Signature)

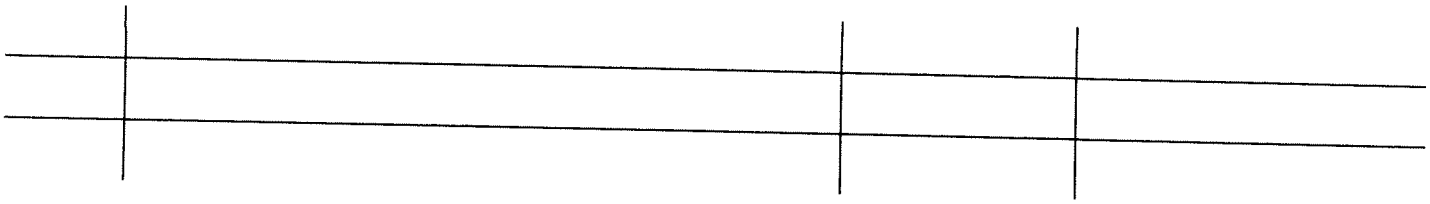
Approved: _____ Date Signed ___/___/___

(Signature)

13. DESCRIPTION OF VIOLATIONS/ITEMS OF CONCERN/RECOMMENDATIONS

Item No.	Event Description	Reference	
		Report	Requirement

RAM\INSPRPT.GAG Revised 8/97



14. CURRENT ORGANIZATIONAL STRUCTURE

Name and Title

☐
☐
☐
☐
☐
☐
☐
☐
☐

Check if Those Individuals Who Attended Management Close-out Meeting

15. STATUS OF PREVIOUS VIOLATION/ITEMS OF CONCERN

(Identify each; check if items were satisfactorily resolved)

Date of previous inspection:

☐
☐
☐
☐
☐
☐
☐
☐
☐

Other comments

NEVADA STATE HEALTH DIVISION
RADIOLOGICAL HEALTH SECTION
Industrial Gauge Inspection Report

☐ Fixed Gauges ☐ Portable Gauges

SECTION I - PERSONNEL

16. RSO/RPO, RESPONSIBLE INDIVIDUALS, GAUGE USERS:

☐ Y ☐ N ☐ N/A License permits gauge use if manufacturers training certificates available?

☐ Y ☐ N ☐ N/A License specifically names users?

☐ Y ☐ N ☐ N/A License permits licensee to train users?

☐ Y ☐ N ☐ N/A Does RSO have training records for all users?

☐ Y ☐ N ☐ N/A For fixed gauges, is the "responsible individual" present whenever gauges are used?

SECTION II - SCOPE OF OPERATION (Amounts in possession; Frequency of use; Reciprocity)

17. AMOUNTS IN POSSESSION (use back of page if necessary):

Manufacturer	Model	Serial No.	Isotope/mCi

☐ Y ☐ N ☐ N/A Are all gauging devices authorized by license(manuf., model, isotope, amounts)?

18. SCOPE OF USE: How often used?

Abnormal Occurrences (with dates):

☐ Loss ☐ Theft ☐ Damage

19. RECIPROCITY

Have gauges been used outside of Nevada jurisdiction? (If yes, is proof of authorization reciprocity available, where, how long, etc.):

SECTION III - PERSONNEL DOSIMETRY

20. GENERAL

Film and/or TLD company: Exchange frequency: FB:

☐ Y ☐ N ☐ N/A certified (459.338.3.b)

☐ Y ☐ N ☐ N/A All reports available (459.364)

☐ Y ☐ N ☐ N/A Reports complete with name & SS Nos. or unique ID Nos. (459.364.1)

Average quarterly whole body exposure: mrem

Maximum quarterly whole body exposure: mrem

☐ Y ☐ N ☐ N/A Are exposures appropriate for workload?

SECTION IV - RECORDS OF LEAK TESTS, INVENTORIES, RECEIPT AND TRANSFER

21. LEAK TESTS 459.307)

Who physically swipes the sources?

Who analyzes the swipes?

What leak test kit is used?

☐ Y ☐ N ☐ N/A All sources leak tested per frequency in license?

☐ Y ☐ N ☐ N/A For multiple sources, is each swipe result identified to each source?

☐ Y ☐ N ☐ N/A Copies of all leak test reports available?

☐ Y ☐ N ☐ N/A All results indicate less than 0.005 μCi?

Date of last leak test:

22. INVENTORIES

Date of last inventory:

Performed by:

☐ Y ☐ N ☐ N/A Are frequency of inventories performed per frequency in license?

☐ Y ☐ N ☐ N/A Are the inventory records correct?

23. RECEIPT AND TRANSFER (459.124)

☐ Y ☐ N ☐ N/A Records of receipt for each device?

☐ Y ☐ N ☐ N/A Records of transfer available for each device?

SECTION V - USE, STORAGE, POSTING AND LABELING

24. FIXED GAUGES

☐ Y ☐ N ☐ N/A Are the gauge locations the same as in the license?

☐ Y ☐ N ☐ N/A Are the gauges mounted in generally unoccupied areas?

☐ Y ☐ N ☐ N/A Are gauges not in use, locked in the "off" position?

☐ Y ☐ N ☐ N/A Are the labels in legible/clean condition?

☐ Y ☐ N ☐ N/A Are CRAM and/or CRA signs posted as appropriate? (459.340-346

☐ Y ☐ N ☐ N/A Are name(s) of RSO or responsible individuals posted near each gauge?

☐ Y ☐ N ☐ N/A Are "Lock-out" procedures adequately posted or otherwise made known to employees?

☐ Y ☐ N ☐ N/A Do records/interviews indicate the maintenance schedule followed (shutter tests, label checks, etc.)?

25. PORTABLE GAUGES

☐ Y ☐ N ☐ N/A Daily use log, or other daily tracking method?

☐ Y ☐ N ☐ N/A Storage location per license?

☐ Y ☐ N ☐ N/A Is access to storage location restricted? (459.356)

☐ Y ☐ N ☐ N/A Are gauge(s) secured to prevent unauthorized removal? (459.356)

☐ Y ☐ N ☐ N/A Are storage room, cabinet, etc. posted with CRAM and/or CRA signs as appropriate? (459.342)

☐ Y ☐ N ☐ N/A Are there any temporary storage locations?

☐ Y ☐ N ☐ N/A Temporary storage locations adequate?

If not, explain:

☐ Y ☐ N ☐ N/A Two tangible barriers used when gauge is not under surveillanc of a user (459.198.4)?

SECTION VI - TRANSPORTATION

26. GENERAL

☐ Y ☐ N ☐ N/A Are gauge(s) secured to prevent unauthorized removal during transport?

☐ Y ☐ N ☐ N/A Are gauge(s) blocked and braced to prevent shifting during transport?

☐ Y ☐ N ☐ N/A Are shipping papers used (consignor, consignee, proper shippir name, chemical form, UN/NA number, hazard class, etc.)?

☐ Y ☐ N ☐ N/A Proper transport labels on opposite sides of shipping container?

☐ Y ☐ N ☐ N/A Notification label in the event gauge is stolen or lost?

SECTION VII - RHS INSPECTOR SURVEY

27. RADIATION EXPOSURE RATE SURVEYS

Instrument: Innovision Probe: S/N: Calibration Date:

Check Source results: ☐ Satisfactory ☐ Unsatisfactory Background:

Location and Measurement Results

SECTION VIII - LICENSE DOCUMENTATION

28. GENERAL

☐ Y ☐ N ☐ N/A Copy of license and all amendments available? (459.782.2.b)

☐ Y ☐ N ☐ N/A Copy of all correspondence/documents incorporated into licens (459.782.2.b)

☐ Y ☐ N ☐ N/A Copy of Nevada Administrative Code 459? (459.782.1.a)

☐ Y ☐ N ☐ N/A Copies of above posted or acceptable alternatives? (459.782.

☐ Y ☐ N ☐ N/A NRC-1, "Notice to Employees", posted? (459.782.3)

☐ Y ☐ N ☐ N/A Copy of Operating Procedures and Emergency Procedures (459.782.1.c) (☐ Inspector should review the procedures if not submitted with application. ☐ If submitted with application no review is necessary.)

☐ Y ☐ N ☐ N/A Annual review of radiation protection program (459.321)

☐ Y ☐ N ☐ N/A Are all individuals who enter restricted areas aware of the above documents and have they been instructed accordingly? (459.782.4)

☐ Y ☐ N ☐ N/A Periodic re-training? Frequency:

☐ Y ☐ N ☐ N/A Training records available?

☐ Y ☐ N ☐ N/A Internal radiation safety memos/notices by licensee. If yes, give examples:

☐ Y ☐ N ☐ N/A Hazmat training at intervals not to exceed 3 years?

IX. INTERVIEWS/COMMENTS/NOTES

(Include user staff and non-radiation workers such as secretaries, janitor etc.)

INSPECTOR'S CHECKLIST

GAUGES

SECTION/TITLE		INSPECTED
I.	PERSONNEL	☐ Y ☐ N
II.	SCOPE OF OPERATION	☐ Y ☐ N
III.	PERSONNEL DOSIMETRY	☐ Y ☐ N
IV.	RECORDS OF LEAK TESTS, INVENTORIES, RECEIPT & TRANSFER	☐ Y ☐ N
V.	USE, STORAGE, POSTING AND LABELING	☐ Y ☐ N
VI.	TRANSPORTATION	☐ Y ☐ N
VII.	RHS INSPECTOR SURVEY	☐ Y ☐ N
VIII.	LICENSE DOCUMENTATION, NOTICES	☐ Y ☐ N
IX.	EMPLOYEE INTERVIEWS/COMMENTS/NOTES	☐ Y ☐ N

Inspection Findings and Licensee Acknowledgement

Licensee Name:
License No.
Address:
City:

Nevada State Health Division
Radiological Health Section

☐ No violations or items of concern are cited from this inspection at this time.

☐ The inspection revealed the following violations or items of concern with the requirements of the license and/or the Nevada State Regulations for Radiation Protection.

No.	Finding	Description	Explanation
1	N/A	N/A	
2	N/A	N/A	
3	N/A	N/A	
4	N/A	N/A	
5	N/A	N/A	
6	N/A	N/A	
7	N/A	N/A	
8	N/A	N/A	
9	N/A	N/A	
10	N/A	N/A	

To achieve compliance, you must advise the Nevada State Health Division, Radiological Health of the reasons the violations occurred, how the violation or item of concern has been corrected and what actions will be taken to prevent future occurrences.

The citations listed above are only preliminary and do not necessarily preclude additional violations or items of concern following further review.

☐ Items appear to have been adequately corrected during the inspection. Therefore, no response to these items is required.

☐ Please respond in writing within 30 days of receipt of this form describing the actions taken, or planned actions to be taken and when planned actions will be completed that will bring your activities into full compliance and that will avoid recurrence.

In accordance with NAC 459.782(1), this formal notice of noncompliance must remain posted until corrective actions are completed or for a minimum of five working days if corrective actions are completed sooner. The posting is to be in sufficient number of conspicuous places such that people working under this license may observe it.

Please send response to:

☐ Nevada State Health Division, Radiological Health Section
4150 Technology Way, Suite 300
Carson City, NV 89706

☐ Nevada State Health Division, Radiological Health Section
2080 East Flamingo, Suite 319
Las Vegas, NV 89119

Larry Boschult
INSPECTOR

DATE

☐ The inspector has explained and I understand the items of noncompliance listed above. The violation(s) or items of concern will be corrected within the next 30 days. I understand I can request an extension for good cause.

MANAGEMENT SIGNATURE

DATE

☐ No further response is required at this time.

RSO SIGNATURE

DATE

TITLE OR POSITION

(NV 591 4/07)

NEVADA DIVISION OF HEALTH
RADIOACTIVE MATERIAL INSPECTION REPORT

1. License Type: **INDUSTRIAL RADIOGRAPHY - Field**
2. Licensee Name and Address: Logged

3. License No. Exp. Date License Fees Current ☐Yes ☐No
4. Last Amendment No. Amendment Date
   Date Amended in its Entirety
5. Date of this Inspection
6. Contact Phone No.
7. Priority I Last Inspection
8. Type of Inspection (check all that apply):

   ☐ Announced ☐ Unannounced ☐ Reciprocity ☐ Attempted
   ☐ Routine ☐ Initial ☐ Investigation/Incident
   ☐ Full ☐ Partial ☐ Follow-up ☐ Field

9. Next Inspection Due

10. SUMMARY OF FINDINGS AND ACTIONS:

☐ No Violations	☐ Violations	No.
☐ No Items of Concern	☐ Items of Concern	No.
☐ No Recommendations	☐ Recommendations	No.

NOTES:

Inspectors Signature: _____ Date: _____

11. Inspection Findings:
    a. No violations noted. No response required. ☐
    b. See violations identified in Item 13. ☐

12. Inspector _____ Date Signed
    (Signature)

    Inspector _____ Date Signed
    (Signature)

    Reviewed: _____ Date Signed
    (Signature)

    Approved: _____ Date Signed
    (Signature)

RAM\INSRPTFD.NRD Revised 10/93

13. DESCRIPTION OF VIOLATIONS/ITEMS OF CONCERN/RECOMMENDATIONS

Item No.	Event Description	Reference	
		Report	Requirement

14. CURRENT ORGANIZATIONAL STRUCTURE

Name Title

☐

☐

☐

☐

☐

☐

☐

☐

☐

☐Attended Management Close-out Meeting

15. STATUS OF PREVIOUS VIOLATION/ITEMS OF CONCERN

(Identify each; were they satisfactorily resolved?)

Date of previous inspection:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

SECTION I - PERSONNEL AND TRAINING

16. RSO, RADIOGRAPHERS, RADIOGRAPHER'S ASSISTANTS, HELPERS(list names, compare with license)

_____

17. USER QUALIFICATIONS (459.724)

If license does not specifically list users, complete the following:

☐Y ☐N ☐N/A Records of radiographer's qualifications/training available?

☐Y ☐N ☐N/A Records of rad. assistant's qualifications/training available?

☐Y ☐N ☐N/A All training/certification requirements met?

SECTION II - SCOPE OF OPERATION

(Sources in possession; Frequency of use; Reciprocity)

18. SOURCES IN POSSESSION:

Manufacturer/Model	Serial Number	Curies	Camera Model

☐Y ☐N ☐N/A Are all sources and devices authorized by license (make, model, isot and amounts)?

19. FREQUENCY OF USE:_____

20. RECIPROCITY

☐Y ☐N ☐N/A Is proof of reciprocity or written authorization available?

SECTION III. - PERSONNEL DOSIMETRY (459.724(6))

21. GENERAL

☐Y ☐N ☐N/A Pocket dosimeters and chargers used?

☐Y ☐N ☐N/A Pocket dosimeters 0 - 200 mR in range?

☐Y ☐N ☐N/A Pocket dosimeters recharged and recorded daily?

☐Y ☐N ☐N/A FB's or TLD's issued and worn?

Film and/or TLD company: _ _Exchange frequency: FB _____ TLD

SECTION IV - RECORDS OF LEAK TESTS

23. LEAK TESTS (459.307)

☐Y ☐N ☐N/A Copies of all leak test reports available?

☐Y ☐N ☐N/A All results indicate less than 0.005 µCi?

Date of last leak test:

☐Y ☐N ☐N/A All sources leak tested at least every six months?

Performed by:

SECTION V - RADIATION SURVEY INSTRUMENTS (459.712)

25. GENERAL

☐Y ☐N ☐N/A Do survey instruments have 2 mR/hr to 1 R/hr range?

☐Y ☐N ☐N/A Calibrated within 3 months?

Calibrated by: _____ Telephone No._____

List survey meters:

Manufacturer	Model	Manufacturer	Model

SECTION VI - DAILY LOGS REQUIRED AT JOB SITE

26. UTILIZATION LOGS (459.720)

☐Y ☐N ☐N/A Description of each device used?

☐Y ☐N ☐N/A Identity of radiographers using devices?

☐Y ☐N ☐N/A Locations and dates of use?

25. SURVEY LOGS (459.724)

☐Y ☐N ☐N/A Calibrated instrument used for surveys?

☐Y ☐N ☐N/A Physical survey of the device to insure the source is in its shielde position prior to device being secured?

☐Y ☐N ☐N/A Surveys which established restricted area boundaries?

SECTION VII - STORAGE, LABELING, ASSOCIATED EQUIPMENT

26. STORAGE (459.356 & 459.710)

☐Y ☐N ☐N/A Access to storage location restricted (locks, etc.) to prevent unauthorized removal?

☐Y ☐N ☐N/A Exposure device(s) locked at time of inspection? (459.708)

27. LABELING

☐Y ☐N ☐N/A Storage room, cabinet etc. posted with CRAM and/or CRA signs as appropriate? (459.342)

☐Y ☐N ☐N/A Are the labels on the exposure device in legible condition (RAM, DOT etc)?

☐Y ☐N ☐N/A Is the latest source I.D. tag affixed to the exposure device?

28. ASSOCIATED EQUIPMENT

☐Y ☐N ☐N/A Are collimation devices used whenever possible?

☐Y ☐N ☐N/A Is shielding (lead backing sheets, etc.) used whenever possible?

☐Y ☐N ☐N/A Are there sufficient "Caution Radiation Area" and "Caution High Radiation Area: signs available for use?

☐Y ☐N ☐N/A Is there sufficient rope/other equipment to establish a restricted ar

SECTION VIII - TRANSPORTATION

29. GENERAL (49 CFR)

☐Y ☐N ☐N/A Device(s) secured to prevent unauthorized removal during transport?

☐Y ☐N ☐N/A Device(s) blocked and braced to prevent shifting during transport?

☐Y ☐N ☐N/A Shipping papers used (consignor, consignee, proper shipping name, chemical form, UN or NA number, hazard class, etc.)?

☐Y ☐N ☐N/A Proper transport labels on opposite sides of shipping container?

☐Y ☐N ☐N/A Placards available for use if 49 CFR 172.504 is met (Radioactive Yel III labels)

SECTION IX - RHS INSPECTOR SURVEY

30. RADIATION EXPOSURE RATE SURVEYS

Instrument: _____ Probe:

S/N: _____ Calibration date:

Check Source results: ☐Satisfactory ☐Unsatisfactory

Background:

Location Measurement Results

For the following, correct for source strength as appropriate.

☐Y ☐N ☐N/A Inspector's readings of exposure device(s) agrees with last entry in licensee's utilization log?

☐Y ☐N ☐N/A Inspector's readings of exposure device(s) agrees with licensee's sur meter? (side by side comparison).

☐Y ☐N ☐N/A Are proper shipping labels on device (Yellow II, III)?

☐Y ☐N ☐N/A Exposure rate from device with source in storage position meets applicable sections of 459.706?

SECTION X - DOCUMENTATION, NOTICES (459.780)

31. GENERAL

☐Y ☐N ☐N/A Copy of license and all amendments?

☐Y ☐N ☐N/A Copies of Operating and Emergency Procedures?

☐Y ☐N ☐N/A Copy of Nevada Administrative Code 459?

☐Y ☐N ☐N/A Copy of above posted or acceptable alternative?

☐Y ☐N ☐N/A NRC-1, "Notice To Employees," posted?

☐Y ☐N ☐N/A Copy of use authorization or other documentation to confirm user's authority?

☐Y ☐N ☐N/A Are all individuals who enter restricted areas aware of the above documents and have they been instructed accordingly?

Note: Complete this after interviewing employees (next section).

☐Y ☐N ☐N/A Have there been any incidents, thefts, or loss involving licensed materials?

If yes, describe: _____

SECTION XI - EMPLOYEE INTERVIEWS

Questions to be asked of radiographers, radiographer's assistants, and helpers.

If any answer are not adequate, describe in the Interview Summary at the end of this section.

32. SUPERVISION OF A RADIOGRAPHER'S ASSISTANT:

Have the radiographer's assistant(s) describe the duties he has performed and the supervision provided by the radiographer while performing them.

33. SUPERVISION OF A RADIOGRAPHER'S HELPER:

Have the radiographer's helper(s) describe the duties he has performed and the supervision provided by the radiographer while performing them.

34. "QUESTIONS FOR RADIOGRAPHY INSPECTION"

Ask the RSO/radiographer(s) the questions in the two page "Questions for Radiography Inspection" attached to this report.

INTERVIEW SUMMARY:

_____

XII. COMMENTS/NOTES:

_____

INSPECTOR'S CHECKLIST

INDUSTRIAL RADIOGRAPHY - FIELD

SECTION/TITLE		INSPECTE
I	PERSONNEL AND TRAINING	☐Y
II	SCOPE OF OPERATION	☐Y
III	PERSONNEL DOSIMETRY	☐Y
IV	RECORDS OF LEAK TESTS	☐Y
V	RADIATION SURVEY INSTRUMENTS	☐Y
VI	DAILY LOGS REQUIRED AT JOB SITE	☐Y
VII	STORAGE, LABELING, AND ASSOCIATED EQUIPMENT	☐Y
VIII	TRANSPORTATION	☐Y
IX	RHS INSPECTOR'S SURVEY	☐Y
X	DOCUMENTATION, NOTICES	☐Y
XI	EMPLOYEE INTERVIEWS	☐Y
XII	COMMENTS/NOTES	☐Y

QUESTIONS FOR RADIOGRAPHY INSPECTION

The following general and specific questions are typical of those that can be asked of radiographers during an inspection. These do not preclude other questions that come to mind during the course of an inspection and that may be used at the discretion of the inspector.

A. Describe what is the one most important bit of information regarding radiation safety that you have learned.

Specifically:

1. What checks do you conduct with your survey meters and dosimeter before using?

2. What surveys do you conduct on the job with your survey instruments?

3. What course of action would you take and what are your options under the following circumstances? The customer has shut down his operation in preparation for you to conduct operations. However, while setting up the job, your assistant trips and renders the only survey instrument that you have inoperable.

B. Describe in detail the procedure you would use to conduct a field radiography job starting from the time you got ready to withdraw the source from storage to the time that you return the source to storage.

Specifically:

1. What preparations do you make before going out to do a job at a temporary job site?

2. What type of barriers would you set up and what signs would you use at a field site?

3. What criteria would you use to determine the location of the barriers?

4. What type of inspection would you give the exposure device and equipment when you draw it out from storage?

5. What criteria would you use to establish the HRA?

6. How would you survey the exposure device after a shot?

7. What is the survey that has to be documented because of a recent change in the regulations?

8. What would be your course of action if, after arriving on a job site, you discovered that your assistant has a dosimeter but has lost his film badge?

9. What precautions must be taken at the end of each day if you must remain several days at a temporary job site?

10. What must you carry in the cab with you and what signs must be on the vehicle when traveling to and from the temporary job site in the radiography van with the exposure device?

Response to item #17

Fixed Asset	Description	Serial Number	Asset Value	Acquisition Date	Notes
'0187714	'STRETCH SCOPE 45 TO 156" LUD	'50086	2094.1	7/26/1989	x
'280138	'RADIATION MEASURING DEVICE:	'128655	7500	6/6/2005	x
'280140	'RADIATION MEASURING DEVICE:	'128657	7500	6/6/2005	x
'245075	'MULTIFUNCTIONAL FAX MACHINE	'07103862	1895	8/16/2000	Due for Surplus Carson City
'0119083	'DETECTOR F/LOW LEVEL RADIATIO	'12331	775	12/7/1979	x
'0155157	'MICRO-R-METER LUDLUM	'33525	845	11/30/1984	Transfer to CC
'257011	'VICTOREEN SURVEY METERS, #4	'0000006217	2004	12/31/2001	x
'257012	'VICTOREEN SURVEY METERS, #4	'0000006218	2004	12/31/2001	x
'257013	'VICTOREEN SURVEY METERS, #4	'0000006219	2004	12/31/2001	x
'257014	'VICTOREEN SURVEY METERS, #4	'0000006222	2004	12/31/2001	x
'257015	'VICTOREEN SURVEY METERS, #4	'0000006223	2004	12/31/2001	x
'257016	'VICTOREEN SURVEY METERS, #4	'0000006224	2004	12/31/2001	x
'0187702	'ION CHAMBER BATTERY OPERATED	'65189	815.29	7/25/1989	Transfer to CC
'0187703	'ION CHAMBER BATTERY OPERATED	'65181	816	6/16/1989	x
'0187704	'ION CHAMBER BATTERY OPERATED	'65183	816	6/16/1989	x
'0187705	'ION CHAMBER BATTERY OPERATED	'65192	816	6/16/1989	Transfer to CC
'0187707	'ION CHAMBER 4X8X5" LUDLUM	'65178	821.03	6/14/1989	Transfer to CC
'0187708	'ION CHAMBER 4X8X5" LUDLUM	'65190	821.03	6/14/1989	Transfer to CC
'0187709	'ION CHAMBER 4X8X5" LUDLUM	'65199	821.03	6/14/1989	x
'0187710	'SCINTILLATOR(MICRO R METER) 3	'66585	881.54	6/14/1989	x
'0187712	'SCINTILLATOR(MICRO R METER) 3	'66603	881.54	6/14/1989	x
'290995	'RADIATION DETECTION METER	'228253	2225	8/7/2006	x
'0198538	'SURVEY INSTRUMENT SYSTEM PORT	'	1762	4/20/1992	x
'0193634	'COUNTER NEUTRON W/4 COUNTING	'76634	1661.65	9/19/1990	x
'0200191	'MONITOR USED TO VERIFY PROPER	'3424	5311.65	8/5/1992	x
'294210	'SURVEY MONITOR TBM-6SP	'9004	1490	8/15/2006	x
'294211	'SURVEY MONITOR TBM-6SP	'9006	1490	8/15/2006	x
'0187349	'MONITOR MEASURES RADIATION W/	'3132	5234.99	4/28/1989	x
'280788	'RADIONUCLIDE IDENTIFIER	'4125	8600	7/7/2005	x
'0190306	'MONITOR PORTABLE RADIATION F	'3217	5235.91	2/27/1990	x
'257906	'RESPONSE KIT: LUDLUM #2241-2	'SN180048	1560	2/1/2002	x
'257907	'RESPONSE KIT: LUDLUM #2241-2	'SN180058	1560	2/1/2002	x
'257908	'RESPONSE KIT: LUDLUM #2241-2	'SN180080	1560	2/1/2002	x
'257909	'RESPONSE KIT: LUDLUM #2241-2	'SN180088	1560	2/1/2002	x
'257910	'RESPONSE KIT: LUDLUM #2241-2	'SN180093	1560	2/1/2002	x
'257911	'RESPONSE KIT: LUDLUM #2241-2	'SN180099	1560	2/1/2002	x

'0193358	'METER RATE SURVEY INSTRUMENT	'1551	611	1/4/1990	x
'0193359	'METER RATE SURVEY INSTRUMENT	'1554	611	1/4/1990	x
'0203171	'SURVEY INSTRUMENT SYSTEM PORT	'2821	678	8/4/1993	x
'0203172	'SURVEY INSTRUMENT SYSTEM PORT	'2833	678	8/4/1993	x

Fixed Asse	Description	Serial Number	Asset Value	Acq Date	Notes
'0070887	'ALPHA-COUNTER RADIATION TEST	'2431	739	7/7/1972	Display Eberline
'0075863	'ANALYZER SINGLE CHANNEL EBER	'152	929	8/27/1973	MS-1 mini scaler
'0119084	'DETECTOR F/LOW LEVEL RADIATIO	'12333	775	12/7/1979	M-19 Micro R
'0119085	'SCALER RATE METER LUDLUM	'12716	1595	1/30/1980	M-2500 Lab
'0123671	'RATE METER PORTABLE SCALER L	'13453	1175	7/8/1980	M-2200 Lab
'0144591	'ION CHAMBER LUDLUM	238649	795	8/1/1983	Change Ser # to 238649 (was repl.)
'0155158	'ION CHAMBER LUDLUM	'27990	795	11/30/1984	M-9
'0187706	'ION CHAMBER BATTERY OPERATED	'65197	815.9	6/12/1989	M-9
'0187711	'SCINTILLATOR(MICRO R METER) 3	'66602	881.54	6/14/1989	M-19 Micro R
'0187713	'SCINTILLATOR (MICRO R METER)	'66601	875.9	6/2/1989	M-19 Micro R
'0187723	'PROBE ALPHA SCINTILLATION F/	'708929	519	6/23/1989	ASP-1 kit
'0187727	'PROBE ALPHA SCINTILLATION F/	'708928	519	7/12/1989	ASP-1 kit
'0193360	'METER RATE SURVEY INSTRUMENT	'1552	611	3/1/1990	Eberline ASP-1
'0193361	'METER RATE SURVEY INSTRUMENT	'1553	611	3/1/1990	Eberline ASP-1
'0198462	'SURVEY METER F/RADIATION FROM	'1601	1175	3/9/1992	Display Victoreen 450P
'272485	'PRESSURIZED ION CHAMBER	'827	2147.5	4/19/2004	Fluke 451P
'272486	'PRESSURIZED ION CHAMBER	'829	2147.5	4/19/2004	fluke 451P
'272487	'PRESSURIZED ION CHAMBER	'831	2147.5	4/19/2004	fluke 451P
'272488	'PRESSURIZED ION CHAMBER	'833	2147.5	4/19/2004	fluke 451P
'280787	'RADIONUCLIDE IDENTIFIER	'4124	8600	7/7/2005	ICS-4000
'293783	'COMPUTER: GATEWAY E-6500D	'0037175943	2299.99	10/20/2006	Lab MCA
'294212	'METERS, RADIATION DETECTION	'8951	1490	8/4/2006	Technical Assoc. TBM-6SP
'294213	'METERS, RADIATION DETECTION	'8953	1490	8/4/2006	Technical Assoc. TBM-6SP
'294971	'GAMMA DETECTOR: MODEL #44-20	'PR245494	1895	1/2/2007	3 in. NaI
'294972	'PORTABLE NEUTRON METER	'232797	3590	1/2/2007	Ludlum Prescila
'294973	'EMERGENCY RESPONSE KIT W/METER	'1552	2225	1/2/2007	Ludlum 2241-3
'294974	'EMERGENCY RESPONSE KIT W/METER	'1553	2225	1/2/2007	Ludlum 2241-3
'299286	'ALPHA/BETA SAMPLE COUNTER	'PR255978	1150	7/17/2007	Ludlum
'299287	'ALPHA BETA SCALER/RATEMETER	'PR227242	1450	7/17/2007	Ludlum

Response to item #22

PENDING FILE PROCEDURE

I. GENERAL PROCEDURE

A. Licensing Technical Staff

1. Each Technical Staff member in Carson City will be assigned a file drawer inside of the locked Radioactive Materials filing room in which to maintain a pending file.

2. Pending files for actions assigned to Las Vegas Technical Staff will be maintained in original form in file drawers in the Radioactive Materials filing room in Carson City.

3. Las Vegas Technical staff will maintain working pending files for their use.

4. Each pending licensing action will be reviewed by the assigned Technical Staff member at intervals not to exceed 30 days. Upon review of the pending licensing action the staff member will take appropriate action (i.e. deficiency letter, failure to respond letter, close of licensing action, etc..) and document the action on the RAM Licensing Action Tracking Form.

5. If the licensing action is still pending a response from the licensee the licensing action folder is returned to the pending file. If the licensing action is able to be completed or closed appropriate action shall be completed as soon as possible, but will remain in the pending file until the appropriate action is completed.

B. Inspection Technical Staff

1. Each Technical Staff member in Carson City will be assigned a file drawer inside of the locked Radioactive Materials filing room in which to maintain a pending file.

2. Inspection Technical Staff will review all files pending a response to a violation letter at intervals not to exceed 30 day and initiate appropriate action to solicit a response or to close the inspection.

_____ Date:_____

Karen K. Beckley, Manager
Radiation Control Progam
Bureau of Quality Care and Compliance

Revised: _____ Saved: _____

PENDING FILE POLICY

I. GENERAL POLICY

A. Licensing Technical Staff

1. Licensing Technical Staff will review each pending licensing action at intervals not to exceed 30 days. Review of each pending licensing action will result in appropriate action (i.e. telephone contact with licensee or abandonment of the licensing action) and documentation of such action on the Licensing Action Tracking Form.

2. Deficiency Letters to the licensee requesting additional information for licensing actions will contain approved language indicating that failure to respond within 30 days will result in abandonment of the licensing action.

B. Inspection Technical Staff

1. Inspection Technical Staff will review each pending response to inspection violations. Review of each pending response will result in appropriate action (i.e. telephone contact with the licensee) to initiate the required response.

_____ Date:_____

Karen K. Beckley, Manager
Radiation Control Progam
Bureau of Quality Care and Compliance

Revised: _____ Saved: _____