



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF RADIATION PROTECTION

September 20, 2013

Mr. Bryan Parker
Health Physicist
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Lisle, IL 60532

Dear Mr. Parker:

The Pennsylvania Department of Environmental Protection, Bureau of Radiation Protection, has completed our reply to the Integrated Materials Performance Evaluation Program (IMPEP) questionnaire (enclosed). The questionnaire and related attachments have been completed with the requested data through August 31, 2013.

The executive staff exit briefing for the IMPEP review has been scheduled for Friday, October 11, 2013.

We are looking forward to working with you and the IMPEP team in October for the review and evaluation of the Pennsylvania AS Program. If additional information is requested or necessary, please contact me at the telephone number below.

Sincerely,

David J. Allard, CHP
Director
Bureau of Radiation Protection

cc: Joseph Melnic, RPPM, BRP, DEP
Benjamin Seiber, PA, BRP, DEP

Enclosures

INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM
QUESTIONNAIRE

Pennsylvania Department of Environmental Protection
Reporting Period: November 21, 2009 to October 11, 2013

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

A. GENERAL

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

There was only one recommendation from the previous IMPEP review, relating to the Technical Quality of Incident and Allegation Activities. Regarding incident reporting requirements, the bureau has implemented the formal Recommendation of the IMPEP report, i.e., to strengthen its incident response program.

A central office Radiation Health Physicist has been assigned to be an Incident Tracker, with specific duties regarding reporting requirements to the Nuclear Material Events Database (NMED) and to the NRC Headquarters Operations Office (HOO). The Incident Tracker will facilitate thorough communication on every potential incident between Bureau Director, central office managers, regional office managers and supervisors, compliance specialist and when necessary legal counsel. All incidents will be recorded and monitored in a shared database between central and regional offices. Noted in the database will be relevant information regarding the incident, including site name, NMED number, dates for incident, NMED entry, NRC and/or HOO notification, site visit / investigation / inspection, as well as, comments and observations. A timely visit to the site of the incident will occur as appropriate and the investigation will be formally documented. The database will note if the incident is open or closed for all follow-up. The staff has also participated in formal incident reporting material events training (FSME Procedure SA-300) offered by the Idaho National Laboratory.

The previous IMPEP review and report has determined the allegation and complaint program to be adequate. Regardless, given the formal recommendation related to incident response, all open or recently closed incidents and allegations will be a discussion item for every monthly

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.

conference call between central and regional offices. Doing so will also provide information sharing to all regions.

B. COMMON PERFORMANCE INDICATORS

I. Technical Staffing and Training

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

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

See attachment

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

See attachment

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

Not applicable

3. Please provide a staffing plan, or complete a listing using the suggested format below, of the professional (technical) full-time equivalents (FTE) applied to the radioactive materials program by individual. Include the name, position, and, for Agreement States, the fraction of time spent in the following areas: administration, materials licensing & compliance, emergency response, low-level radioactive waste, uranium recovery, other. If these regulatory responsibilities are divided between offices, the table should be consolidated to include all personnel contributing to the radioactive materials program. If consultants were used to carry out the program's radioactive materials responsibilities, include their efforts. The table heading should be:

<u>Name</u>	<u>Position</u>	<u>Area of Effort</u>	<u>FTE%</u>
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See attachment

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

Robert Wickline, M.S. Environmental Science (Drexel University, 1996); in Health Physics since 1992; 10 years as RSO for a broad scope pharmaceutical licensee; joined DEP in February 2013; recent training includes Radioactive Materials Inspection and Industrial Radiography.

Jennifer Noll, B.S., Health Physics (Bloomsburg University 2000-2004); 9 years of experience in Health Physics; 6 years with medical and CHIPS licensees; joined DEP in May 2010, spent 2.5 years as X-ray inspector and 0.5 years as radiation protection supervisor in the radioactive materials section; recent training includes, inspection procedures & DOT.

Mary Fekete, B.S. Biology (Millersville University 1983-1988); Certification in Nuclear Medicine Technology (CNMT and RT(N)); Twenty-three (23) years of experience as Nuclear Medicine Technologist; maintains certification in Nuclear Medicine by completing 24 continuing education credits bi-annually; joined DEP in August, 2011; recent training includes Inspection Procedures, Transportation of Radioactive Materials, Increased Controls and Security and Fundamental Health Physics I and II.

Farahat Darwish, B.S. Physics and Diploma of Medical Physics (University of Jordan); Certification in Computer Programming (Daytona Beach College); 5 years of experience as an X-ray inspector; joined DEP in July 2010; recent training includes Inspection Procedures, Licensing Procedures, Nuclear Pharmacy, Root Cause Workshop, Air Sampling, Advanced Health Physics, Transportation of RAM, Increased Controls, Industrial radiography, Well Logging, Nuclear Medicine and Brachytherapy and Gamma Knife.

Jamie Baddorf, B.S. Elementary Education (Millersville University 2007-2011); two (2) years of experience as a Kindergarten teacher; joined DEP in April 2013 as a Clerk Typist in Decommissioning.

Cory D. Fahnestock, B.S. Wildlife & Fisheries Science, A.S. Wildlife Technology (Pennsylvania State University); 6 years of experience in Radiation Protection; 2 years of experience as a Radiation Health Physicist in Decommissioning; joined DEP in October 2007; recent training includes MARSSIM/MARSAME, Site Characterization in Support of Decommissioning, Groundwater Monitoring, and VSP.

Randy Kutchman, B.S. Health Arts (University of St. Francis 1993 - 1996); Certification in Nuclear Medicine (University of Virginia 1984); Certification in Radiologic Technology (Lee Hospital Johnstown, PA 1981-1983); Registered in Nuclear Medicine Technology [RT(R)(N)], Certification in Nuclear Medicine Technology (CNMT); Twenty-Five (25) years of experience as Nuclear Medicine Technologist; Twenty (20) years of experience in Radiology Management; joined DEP in May 2010; recent training includes Safety Aspects of Industrial Radiography, Safety Aspects of Well Logging, Transportation of Radioactive Materials, Radiological Emergency Response Operations, Licensing Practices/Procedures, Inspection Procedures, Increased Controls and Security and Brachytherapy/Gamma Knife and Emerging Technologies.

Robert M. Zaccano, B.S. Biology (1981); accredited by CNMTB (1982); Nuclear Medicine Technologist and Acting Chief Technologist (1982 to 1988); joined DEP 25 years ago and has been with SouthCentral Regional Office – Radiation Protection since November 2010; recent training includes Increased Controls, Inspection Procedures, and Safety Aspects of Well Logging.

Gerald Horvath, Master of Health Administration and B.S. Health Sciences (Medical University of South Carolina 2007 and 2000 respectively); A.S., Radiological Science (Northern Virginia Community College 1994); sixteen (16) years of combined professional experience as a healthcare manager and radiologic technologist; joined DEP in October 2010; recent training includes Root Cause Workshop, Inspection Procedures, and Introductory Health Physics.

Brian Hammer, Master of Environmental Science and Management (Duquesne University) and B.S. in Environmental Resource Management (Pennsylvania State University); Paralegal Certificate (Duquesne University); twenty (20) years of combined professional experience as a Compliance Specialist and four (4) years of experience as an Air Quality Specialist; joined Radiation Protection in April 2012.

Kristina A. Hoffman, A.S. Accounting (Central Pennsylvania College); eight years of experience as an Accountant; four years of experience as a Financial Analyst; three years of experience as a Program Analyst; joined DEP in September 2010; recent training includes Introductory Health Physics.

Curtis Sullivan, B.S. Biology and B.S. Psychology (The Pennsylvania State University); Juris Doctorate and a Certificate in Environmental Law, Science & Policy (The University of Pittsburgh); Practicing law for 3.5 years, all with the Commonwealth of Pennsylvania Department of Environmental Protection assigned to counsel the Bureau of Radiation Protection as well as other programs; recent training includes Introductory Health Physics.

There some employees who began and left during the IMPEP period. Megan Harkins started July 2011 and left August 2013; she was never fully qualified to be an inspector. Dustin Wyant started April 2010 and left March 2011 and was never fully qualified to be an inspector.

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

See attachment

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

None

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

See attachment

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

Since the last IMPEP the program has averaged three vacancies at any given time. These vacancies are open for several months at a time to allow for civil service processing. Multiple methods are used to attract candidates, including advertising in professional journals and Commonwealth employment internet sites.

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.

There are two committees that advise, but do not direct the Program. One committee is the Radiation Protection Advisory Committee; it consists of 19 members appointed by the Secretary of the Department of Environmental Protection. Members represent medical, technologist, physics, environmental, health, science, engineering, industrial or public interest groups and may include licensees. The other Committee is the Low-Level Waste Advisory Committee; it consists of 23 members representing local government, business, environmental, health, academic,

engineering and public interest groups, and the Pennsylvania General Assembly. Again, to avoid potential conflict of interest the committee has no power other than to provide advice.

II. Status of Materials Inspection Program

10. Please identify individual licensees or categories of licensees the State is inspecting less frequently than called for in NRC's Inspection Manual Chapter (IMC) 2800 and explain the reason for the difference. The list only needs to include the following information: license category or licensee name and license number, your inspection interval, and rationale for the difference.

The Commonwealth is committed to following standard NRC inspection schedules.

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

<u>Routine Inspections</u>	<u>Initial Inspections</u>
2009 – Priority 1 = 12 Priority 2 = 9 Priority 3 = 4	2009 – 9
2010 – Priority 1 = 50 Priority 2 = 61 Priority 3 = 55	2010 – 44
2011 – Priority 1 = 51 Priority 2 = 57 Priority 3 = 34	2011 – 16
2012 – Priority 1 = 45 Priority 2 = 60 Priority 3 = 45	2012 – 6
2013 – Priority 1 = 31 Priority 2 = 34 Priority 3 = 36	2013 – 6

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

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

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

Name	License #	Priority	Last Inspection	Date Due	Date Performed	Time Overdue	Date Findings Issued
Precision Custom Components LLC	PA-1042	1	11/17/2011	11/17/2012		9 months	
*Note for Precision Custom Components LLC – The company stopped working. The Radiation Protection Program is continuing to track their activities, but it is not able to be inspected at this time.							
IOS/PCI LLC	PA-1431	5	6/6/2011	6/6/2012	7/23/2013	13 months	8/13/2013
UPMC Mercy	PA-0093	3	12/5/2007	12/5/2010	11/3/2011	11 months	11/21/2011
*Note for UPMC Mercy - Reactive Inspection to an incident that occurred in June 2009 was incorrectly coded in eFACTS							

13. Please submit a table or computer printout that identifies any Priority 1, 2, and 3 licensees and initial inspections that are currently overdue, per IMC 2800. At a minimum, the list should include the same information for each overdue inspection provided for Question 12 plus your action plan for completing the inspection. Also include your plan for completing the overdue inspections.

Name	License #	Priority	Last Inspection	Date Due	Date Performed	Time Overdue	Date Findings Issued
American Diagnostic Medicine	PA-0994	3	11/6/2008	11/6/2011		5 months	
*Note for American Diagnostic Medicine - Site visit on 4/20/2012 to deliver delinquent fees letter; found they no longer provide nuclear cardiology services at this location. They were replaced by Digirad. The licensee declared Chapter 11 bankruptcy on 4/22/2011 and is no longer operating.							

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

Candidates for Inspections

2009 = 1
2010 = 32
2011 = 14
2012 = 20
2013 = 14

Inspections

2009 = 5
2010 = 31
2011 = 26
2012 = 21
2013 = 14

III. **Technical Quality of Inspections**

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

None

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

<u>Inspector</u>	<u>Supervisor</u>	<u>License Category</u>	<u>Date</u>
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See attachment

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?

BRP has a vast inventory and variety of instrumentation, and maintains it within specification. All instruments in current use are properly calibrated and sufficient calibrated instruments were available throughout the review period. Briefly, some of the equipment types BRP has include: Ludlum 2241-3, Exploranium GR-130, Thermo MicroREM, Canberra ADM 300, Ludlum 2221, Ludlum 61, Ludlum 19, Inspector 1000, Ludlum 2360/43-93 (Alpha/Beta), Ludlum 2350-1/44-10 (Gamma), and a Ludlum 2929 Alpha/Beta Smear Counter. BRP also has two portable EG&G Ortec gamma spec units. The DEP Bureau of Laboratories also has a well-equipped radiochemistry section. All DEP Lab services are performed via certified procedures.

IV. Technical Quality of Licensing Actions

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

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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.

PA-0100 complex amendment
PA-1157 complex, unusual amendment
PA-1004 complex decommissioning
PA-0798 termination involving consent order agreement

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

None

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

None

22. Identify by licensee name and license number any renewal applications that have been pending for one year or more. Please indicate why these reviews have been delayed and describe your action plan to reduce the backlog.

None

V. Technical Quality of Incident and Allegation Activities

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

<u>Licensee Name</u>	<u>License #</u>	<u>Date of Incident/Report</u>	<u>Type of Incident</u>	<u>Status</u>	
Eurofins Lancaster Laboratories	N/A	Unknown	8/13/2013	Leaking Ni-63 source	Awaiting Final Report
University of Pittsburgh	PA-0190	8/13/2013	8/29/2013	Leaking Gd-153 source	Awaiting Final Report

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

None

C. **NON-COMMON PERFORMANCE INDICATORS**

I. Compatibility Requirements

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

Radiation Protection Act, Act 1984-147, amendments to the Radiation Protection Act, July of 2007, also known as Act 2007-31

Appalachian States Low Level Radioactive Waste Compact Act, Act 1985-120

Low-Level Radioactive Waste Disposal Act, Act 1988-12

Low-Level Radioactive Waste Disposal Regional Facility Act, Act 1990-107

Radon Certification Act, Act 1987-43

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

No

27. Please review and verify that the information in the enclosed State Regulation Status (SRS) sheet is correct. For those regulations that have not been adopted by the State, explain why they were not adopted, and discuss actions being taken to adopt them. If

legally binding requirements were used in lieu of regulations and they have not been reviewed by NRC for compatibility, please describe their use.

The Commonwealth uses adoption by reference to maintain regulatory continuity with the NRC. The State Regulation Status (SRS) sheet is correct with the exception of ID#1993-2; Pennsylvania does have one irradiator. The licensee is Fox Chase and the license number is PA-0293A.

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

The Commonwealth uses adoption by reference to maintain continuity with existing NRC regulations. Significant renumbering or additions to 10 CFR requires amending our regulations. BRP's regulations are up-to-date via incorporation by reference except the new 10 CFR Part 37. This will require a pointer added to the regulations. Amending our regulations is roughly a 2 year process that involves two rounds of review and public comment.

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

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

<u>SS&D Registry Number</u>	<u>Manufacturer, Distributor or Custom User</u>	<u>Product Type or Use</u>	<u>Date Issued</u>	<u>Type of Action</u>
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Not applicable

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

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

Not applicable

III. Low-level Radioactive Waste Disposal Program

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

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

Not applicable

IV. Uranium Recovery Program

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

Technical Staffing and Training - Questions 2-9

Status of Materials Inspection Program - Questions 10-14

Technical Quality of Inspections - Questions 15-17

Technical Quality of Licensing Actions - Questions 18-22

Technical Quality of Incident and Allegation Activities - Questions 23-24

Not applicable

Name	Position	PA Office	Area of Effort	FTE
All	All	All	Emergency Response	
Allard	Radiation Protection Program Director	CO	All	0.2
Altenburg	Management Technician	CO	Administration	0.7
Altenburg	Management Technician	CO	Licensing	0.2
Baddorf	Clerk 2	CO	Administration	0.5
Barnhart	Radiation Protection Program Supervisor	CO	Low-Level Radioactive Waste	0.3
Bookser	Radiation Protection Program Supervisor	SWRO	Inspecting	0.6
Hammer	Compliance Specialist	SWRO	Compliance	0.5
Brown	Radiation Health Physicist 1	SERO	Inspecting	0.9
Chippo	Radiation Protection Program Supervisor	CO	Licensing	0.9
Costello	Radiation Health Physicist 2	SERO	Inspecting	0.7
Craig	Compliance Specialist	SERO	Compliance	0.4
Crescenzi	Radiation Health Physicist 2	SERO	Inspecting	0.9
Croll	Radiation Health Physicist 2	SERO	Inspecting	0.9
Demam	Radiation Protection Program Supervisor	SCRO	Inspecting	0.8
Derstine	Radiation Protection Program Manager	SERO	Inspecting	0.5
Darwish	Radiation Health Physicist 2	SCRO	Inspecting	0.9
Fahnestock	Radiation Health Physicist 2	CO	Decommissioning	0.9
Fekete	Radiation Health Physicist 1	SCRO	Inspecting	0.9
Forney	Compliance Specialist	SCRO	Compliance	0.4
Gallagher	Radiation Health Physicist 2	CO	Licensing	0.9
Gelburd	Attorney 4 Non Supervisory	SERO	Compliance	0.3
Kendrick	Radiation Health Physicist 2	SERO	Inspecting	0.8
Hoffman	Program Analyst 1	CO	Administration	0.2
Horvath	Radiation Health Physicist 2	SCRO	Inspecting	0.9
Hughes	Radiation Health Physicist 2	SWRO	Inspecting	0.5
Janati	Radiation Protection Program Manager	CO	Low-Level Radioactive Waste	0.3
Daly	Radiation Health Physicist 2	CO	Licensing	0.1
Koshy	Radiation Health Physicist 2	SERO	Inspecting	0.9
Kutchman	Radiation Health Physicist 2	SWRO	Licensing	0.9
Kutchman	Radiation Health Physicist 2	SWRO	Inspecting	0.1
Maiers	Radiation Protection Program Manager	CO	Decommissioning	0.5
McElwain	Radiation Health Physicist 2	SWRO	Inspecting	0.8
Melnic	Radiation Protection Program Manager	CO	Licensing	0.5
Noll	Radiation Protection Program Supervisor	SERO	Inspecting	0.8
Oak Ridge Institute for	Consultant: available on contract	CO	Decommissioning	0.7
Ott	Radiation Health Physicist 2	CO	Decommissioning	0.9
Peffer	Radiation Health Physicist 2	SCRO	Inspecting	0.9
Portman	Attorney 4 Non Supervisory	SCRO	Compliance	0.3
Rajkovich	Radiation Health Physicist 2	SWRO	Inspecting	0.9
Rittiger	Radiation Health Physicist 2	SWRO	Inspecting	0.8
Rittiger	Radiation Health Physicist 2	SWRO	Decommissioning	0.1
Seiber	Program Analyst 3	CO	Administration	0.2
Shearer	Radiation Protection Program Manager	SWRO	Inspecting	0.6
Skelton	Clerk 3	CO	Administration	0.7
Sullivan	Attorney 2	CO	Compliance	0.3
Sullivan	Attorney 2	CO	Licensing	0.1

NAME	COURSES		SCHEDULE FOR COMPLETION
	NEEDED	TRAINING/EXPERIENCE NEEDED	
Robert Wickline	H-201		ASAP, based on NRC course availability
	H-304		ASAP, based on NRC course availability
	H-313		ASAP, based on NRC course availability
	G-109		ASAP, based on NRC course availability
	H-314		ASAP, based on NRC course availability
Stephan Brown		Academic Group 1 & 2 accompanied inspections	2014
	H-304	Medical Group 1, 2 & 3 accompanied inspections	H-304 was completed - awaiting certificate, inspections anticipated complete in 2014
		Industrial Group 2b accompanied inspections	2016
	H-315	Industrial Group 3 accompanied inspections	PA has only one, completion date unknown
Elaine Crescenzi		Industrial Group 2b accompanied inspections	2016
	H-315	Industrial Group 3 accompanied inspections	PA has only one, completion date unknown
Jessica Kendrick	H-304	Medical Group 1, 2 & 3 accompanied inspections	2016
	H-313	Medical Group 2 & 3 accompanied inspections	2016
	G-109	Medical Group 3 accompanied inspections	2016
	S-201	Medical Group 3 accompanied inspections	2016
	H-305	Industrial Group 2a accompanied inspections	2016
	H-314	Industrial Group 2b accompanied inspections	2016
	H-315	Industrial Group 3 accompanied inspections	2016
Joseph Koshy		Industrial Group 1 accompanied inspections	does not perform industrial inspections, completion date unknown
	H-305	Industrial Group 2a accompanied inspections	does not perform industrial inspections, completion date unknown
	H-314	Industrial Group 2b accompanied inspections	does not perform industrial inspections, completion date unknown
	H-315	Industrial Group 3 accompanied inspections	does not perform industrial inspections, completion date unknown
Farahat Darwish		Academic Group 1 & 2 accompanied inspections, casework	2014
	H-313	Medical Group 2 & 3 accompanied inspections, casework review	2014
		Industrial Group 2a accompanied inspections	2014
		Industrial Group 2b accompanied inspections, casework review	2014
		Increased Controls accompanied inspections, casework review	2014
Mary Fekete	H-201	Academic Group 1 & 2, Medical Group 2 & 3, Industrial Group 1, 2a & 2b accompanied inspections, casework review	2015
	H-313		2015
	G-109		2015
	H-305		2015
	H-314		2015
		Increased Controls accompanied inspections	2015
Gerald Horvath	H-201	Academic Group 1 & 2, Medical Group 1, 2 & 3, Industrial Group 1, 2a & 2b accompanied inspections, casework review	2015
	H-304	Medical Group 1, 2 & 3 accompanied inspections, casework	2015
	H-313	Medical Group 2 & 3 accompanied inspections, casework review	2015
	G-109		2015
	S-201	Increased Controls accompanied inspections	2015
	H-305		2015
	H-314		2015

Name	Position	Date Left
Acker	Radiation Protection Program Supervisor (SCRO)	7/2010
Bockis	Attorney 2 (CO)	12/2009
Brown, D.	Compliance Specialist (SWRO)	12/2011
Dworsak	Radiation Health Physicist 2 (SCRO)	3/2012
Hamm	Radiation Health Physicist 2 (Annuitant-NCRO)	12/2010
Krueger	Radiation Protection Program Manager (Acting-SCRO)	11/2010
Pryber	Radiation Protection Program Supervisor (SERO)	3/2012
Reynolds	Radiation Health Physicist 2 (SERO)	2/2012
Seigel	Attorney 4, Non-supervisory (SCRO)	8/2011
Smalls	Radiation Health Physicist 2 (CO)	12/2010
Vargo	Radiation Health Physicist 2 (CO)	11/2011
Yusko	Radiation Protection Program Manager (SWRO)	4/2013
Heckert	Radiation Health Physicist 2 (CO)	5/2010
Leonard	Radiation Health Physicist 2 (SCRO)	1/2011
Martin	Radiation Protection Program Supervisor	5/2010
Oberdick	Radiation Protection Program Supervisor	5/2010
Harkins	Radiation Protection Specialist (SERO)	8/2013
Wyant	Radiation Health Physicist	3/2011

RAM Accompaniments			
Inspector	Supervisor	Priority	Date
C. Rittiger	J. Yusko	1	11/19/2009
F. Costello	J. Pryber, T. Derstine	2, 5	12/3/2009
E. Crescenzi	J. Pryber, T. Derstine	2, 5	12/3/2009
J. Koshy	J. Pryber, T. Derstine	2, 5	12/3/2009
D. Shearer	B. Bookser	3, 5	12/8/2009
C. Stevens	B. Bookser	3, 5	12/8/2009
C. Rajkovich	J. Yusko	1, 3, 5	12/8/2009
D. McElwain	B. Bookser	2, 5	12/11/2009
D. McElwain	B. Bookser	2, 5	1/7/2010
G. Dworsak	S. Acker	2, 5	1/7/2010
C. Rittiger	B. Bookser	5	1/15/2010
C. Stevens	B. Bookser	5	1/15/2010
F. Costello	J. Pryber, T. Derstine	2, 5	1/21/2010
E. Crescenzi	J. Pryber, T. Derstine	2, 5	1/21/2010
J. Koshy	J. Pryber, T. Derstine	2, 5	1/21/2010
B. Reynolds	J. Pryber, T. Derstine	2, 5	1/21/2010
G. Dworsak	S. Acker	5	1/26/2010
C. Rajkovich	B. Bookser	5	1/28/2010
G. Dworsak	S. Acker	3, 5	2/9/2010
D. McElwain	B. Bookser	2, 3, 5	2/23/2010
D. Shearer	B. Bookser	2, 3, 5	2/23/2010
D. McElwain	J. Yusko	3	3/5/2010
J. Koshy	T. Derstine	2, 3, 5	3/11/2010
F. Costello	T. Derstine	2, 3, 5	3/11/2010
D. McElwain	J. Yusko	1	4/27/2010
E. Crescenzi	T. Derstine	5	5/14/2010
F. Costello	T. Derstine	2, 5	5/27/2010
E. Crescenzi	T. Derstine	2, 5	5/27/2010
J. Koshy	T. Derstine	2, 5	5/27/2010
D. McElwain	B. Bookser	2, 5	7/1/2010
J. Deman	S. Acker	5	7/27/2010
F. Darwish	S. Acker	5	7/27/2010
E. Crescenzi	J. Pryber	5	7/27/2010
B. Reynolds	T. Derstine	3	7/28/2010
F. Peffer	S. Acker	5	7/29/2010
E. Crescenzi	T. Derstine	5	8/16/2010
S. Brown	J. Pryber	5	8/17/2010
B. Reynolds	T. Derstine	5	8/27/2010
C. Stevens	B. Bookser	5	8/31/2010
R. Croll	J. Pryber	3	9/16/2010
S. Brown	T. Derstine	5	9/23/2010
D. McElwain	B. Bookser	5	10/27/2010
D. Shearer	B. Bookser	5	10/27/2010
B. Reynolds	T. Derstine	5	10/27/2010
D. McElwain	B. Bookser	3	11/4/2010

D. Shearer	B. Bookser	3	11/4/2010
D. McElwain	B. Bookser	1	12/8/2010
D. Shearer	B. Bookser	1	12/8/2010
F. Darwish	J. Deman	5	1/7/2011
F. Darwish	J. Deman	5	1/11/2011
F. Darwish	R. Zaccano	2, 5	1/19/2011
F. Peffer	R. Zaccano	2, 5	1/19/2011
G. Dworsak	R. Zaccano	2, 5	1/19/2011
D. McElwain	B. Bookser	2	1/26/2011
D. Shearer	B. Bookser	2	1/26/2011
D. McElwain	B. Bookser	3	2/3/2011
D. Shearer	B. Bookser	3	2/3/2011
C. Rittiger	B. Bookser	5	2/11/2011
E. Crescenzi	J. Pryber	3, 5	2/24/2011
C. Rittiger	J. Yusko	5	3/1/2011
C. Stevens	J. Yusko	5	3/1/2011
D. Shearer	J. Yusko	3	3/14/2011
J. Hughes	B. Bookser	5	4/29/2011
F. Darwish	J. Deman	5	5/5/2011
C. Rajkovich	B. Bookser	1	5/18/2011
B. Reynolds	J. Pryber	3	5/24/2011
F. Peffer	J. Deman	2, 3, 5	6/23/2011
D. McElwain	B. Bookser	5	7/15/2011
D. McElwain	B. Bookser	5	8/12/2011
D. McElwain	B. Bookser	5	8/19/2011
B. Reynolds	T. Derstine	2, 3	8/24/2011
M. Harkins	T. Derstine	2, 3	8/24/2011
R. Croll	J. Pryber	3	10/3/2011
B. Reynolds	J. Pryber	2, 5	10/26/2011
E. Crescenzi	J. Pryber	2	11/3/2011
F. Darwish	J. Deman	3	11/8/2011
F. Peffer	J. Deman	3	11/8/2011
G. Dworsak	J. Deman	3	11/8/2011
C. Rittiger	B. Bookser	5	11/9/2011
F. Costello	T. Derstine	3, 5	11/10/2011
B. Reynolds	T. Derstine	3, 5	11/10/2011
D. McElwain	B. Bookser	2, 3, 5	11/16/2011
D. Shearer	B. Bookser	2, 3, 5	11/16/2011
S. Brown	J. Pryber	5	11/21/2011
C. Rajkovich	B. Bookser	2	11/29/2011
J. Hughes	B. Bookser	1, 2, 5	12/1/2011
C. Stevens	B. Bookser	1	12/7/2011
J. Koshy	J. Pryber	2, 3, 5	12/14/2011
D. McElwain	B. Bookser	1	12/22/2011
D. Shearer	B. Bookser	1	12/22/2011
F. Darwish	J. Deman	5	1/31/2012
D. McElwain	B. Bookser	5	2/5/2012

D. Shearer	B. Bookser	5	2/5/2012
D. Shearer	J. Yusko	5	2/29/2012
F. Costello	J. Pryber	2, 5	3/1/2012
E. Crescenzi	J. Pryber	2, 5	3/1/2012
J. Koshy	J. Pryber	3	3/7/2012
R. Croll	J. Pryber	3	3/16/2012
D. McElwain	B. Bookser	2, 3	3/16/2012
D. Shearer	B. Bookser	2, 3	3/16/2012
J. Hughes	B. Bookser	1, 2	3/29/2012
D. McElwain	B. Bookser	2, 3, 5	4/3/2012
D. Shearer	B. Bookser	2, 3, 5	4/3/2012
F. Costello	T. Derstine	2, 3, 5	4/10/2012
M. Harkins	T. Derstine	2, 3, 5	4/10/2012
S. Brown	T. Derstine	2, 3, 5	4/10/2012
E. Crescenzi	T. Derstine	2, 3, 5	4/10/2012
F. Costello	T. Derstine	2	5/10/2012
M. Harkins	T. Derstine	2	5/10/2012
E. Crescenzi	T. Derstine	2	5/10/2012
F. Darwish	J. Deman	2	5/22/2012
F. Peffer	J. Deman	2	5/22/2012
M. Fekete	J. Deman	2	5/22/2012
F. Costello	T. Derstine	2, 5	6/12/2012
J. Koshy	T. Derstine	2, 5	6/12/2012
S. Brown	T. Derstine	2, 5	6/12/2012
E. Crescenzi	T. Derstine	2, 5	6/12/2012
M. Harkins	T. Derstine	2, 5	7/3/2012
R. Croll	T. Derstine	2, 5	7/3/2012
D. McElwain	B. Bookser	2	7/6/2012
D. Shearer	B. Bookser	2	7/6/2012
F. Costello	T. Derstine	5	7/24/2012
E. Crescenzi	T. Derstine	5	7/24/2012
M. Fekete	J. Deman	5	7/24/2012
F. Peffer	J. Deman	1	8/7/2012
G. Horvath	J. Deman	1	8/7/2012
F. Peffer	R. Zaccano	1	8/7/2012
G. Horvath	R. Zaccano	1	8/7/2012
S. Brown	T. Derstine	1	8/14/2012
C. Rajkovich	B. Bookser	3	8/16/2012
D. McElwain	B. Bookser	2	8/24/2012
C. Rajkovich	J. Yusko	3	9/6/2012
F. Darwish	R. Zaccano	2, 5	9/11/2012
F. Peffer	R. Zaccano	2, 5	9/11/2012
B. Hammer	J. Yusko	2	9/13/2012
M. Fekete	J. Deman	3	9/14/2012
C. Rittiger	J. Yusko	1, 2	9/26/2012
C. Stevens	J. Yusko	1, 2	9/26/2012
J. Hughes	B. Bookser	1	10/10/2012

R. Croll	J. Noll	5	10/16/2012
J. Koshy	T. Derstine	5	10/25/2012
D. McElwain	B. Bookser	2, 3, 5	11/14/2012
D. Shearer	B. Bookser	2, 3, 5	11/14/2012
C. Rittiger	J. Yusko	2, 3, 5	11/14/2012
C. Stevens	J. Yusko	2, 3, 5	11/14/2012
J. Koshy	J. Noll	2, 3, 5	1/17/2013
R. Croll	J. Noll	2, 3, 5	1/17/2013
M. Harkins	J. Noll	2, 3, 5	1/17/2013
J. Koshy	T. Derstine	2, 3, 5	1/17/2013
R. Croll	T. Derstine	2, 3, 5	1/17/2013
M. Harkins	T. Derstine	2, 3, 5	1/17/2013
S. Brown	T. Derstine	1, 2	1/29/2013
M. Harkins	T. Derstine	1, 2	1/29/2013
D. Shearer	B. Bookser	5	2/4/2013
D. Shearer	B. Bookser	3	2/7/2013
E. Crescenzi	J. Noll	2, 3	2/13/2013
F. Costello	J. Noll	2, 3	2/13/2013
M. Harkins	J. Noll	5	2/15/2013
R. Croll	J. Noll	5	2/15/2013
F. Costello	J. Noll	3	2/19/2013
S. Brown	J. Noll	3	2/19/2013
M. Harkins	J. Noll	3	2/19/2013
F. Darwish	J. Deman	5	3/19/2013
M. Harkins	J. Noll	2, 3	4/3/2013
R. Croll	J. Noll	2, 3	4/3/2013
E. Crescenzi	J. Noll	2, 5	4/23/2013
F. Costello	J. Noll	2, 5	4/23/2013
M. Fekete	J. Deman	3	4/24/2013
F. Peffer	J. Deman	2	5/8/2013
J. Hughes	B. Bookser	1	5/21/2013
J. Hughes	B. Bookser	1	5/21/2013
D. McElwain	B. Bookser	5	6/6/2013
M. Harkins	T. Derstine	5	6/6/2013
J. Hughes	B. Bookser	1	6/11/2013
D. McElwain	B. Bookser	2, 3, 5	6/12/2013
D. Shearer	B. Bookser	2, 3, 5	6/12/2013
F. Costello	J. Noll	3, 5	6/20/2013
M. Harkins	J. Noll	3, 5	6/20/2013
J. Kendrick	J. Noll	3, 5	6/20/2013
C. Rajkovich	B. Bookser	1	7/2/2013
M. Harkins	T. Derstine	5	7/10/2013
J. Noll	T. Derstine	5	7/10/2013
C. Rittiger	B. Bookser	1, 2	8/6/2013
C. Stevens	B. Bookser	1, 2	8/6/2013

Decommissioning Accompaniments			
C. Ott	B. Werner	5	6/16/2010
J. Whitehead	B. Werner	5	6/16/2010
C. Ott	B. Werner	5	6/17/2010
C. Ott	B. Werner	5	9/29/2010
J. Whitehead	B. Werner	5	9/29/2010
C. Fahnestock	B. Werner	5	9/29/2010
D. Wyant	B. Werner	5	9/29/2010
C. Ott	B. Werner	1	11/18/2010
J. Whitehead	B. Werner	1	11/18/2010
C. Ott	B. Werner	1	3/8/2011
J. Whitehead	B. Werner	1	3/8/2011
C. Fahnestock	B. Werner	1	3/8/2011
C. Ott	B. Werner	1	6/17/2011
J. Whitehead	B. Werner	1	6/17/2011
C. Fahnestock	B. Werner	1	6/17/2011
C. Ott	B. Werner	1	8/17/2011
C. Fahnestock	B. Werner	1	8/17/2011
J. Whitehead	B. Werner	1	11/15/2011
C. Ott	B. Werner	1	11/15/2011
C. Ott	B. Werner	1	1/31/2012
J. Whitehead	B. Werner	1	1/31/2012
C. Ott	B. Werner	1	2/15/2012
C. Fahnestock	B. Werner	1	2/15/2012
C. Ott	B. Werner	1	2/16/2012
C. Fahnestock	B. Werner	1	2/16/2012
C. Fahnestock	B. Werner	1	3/23/2012
C. Ott	B. Maiers	1	5/9/2012
C. Fahnestock	B. Maiers	1	5/9/2012
J. Whitehead	B. Werner	1	10/12/2012
C. Ott	B. Werner	3, 5	12/10/2012
C. Fahnestock	B. Werner	3, 5	12/10/2012
C. Fahnestock	B. Werner	2	3/14/2013
C. Ott	B. Werner	5	6/4/2013
C. Fahnestock	B. Werner	5	6/4/2013
C. Ott	B. Werner	1	7/31/2013
C. Fahnestock	B. Werner	1	7/31/2013