

INTEGRATED MATERIALS PERFORMANCE EVALUATION PROGRAM
QUESTIONNAIRE

New Hampshire Division of Public Health Services, Radiological Health Section

Reporting Period: September 20, 2008 to October 1, 2012

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.

2008 IMPEP Summary Recommendation 1: The review team recommends that the State develop and implement an action plan to adopt NRC regulations in accordance with the current NRC policy on adequacy and compatibility.

Response: All NRC regulations issued post January 1, 2009, have been or will be incorporated into the New Hampshire Rules for the Control of Radiation. As of June 1, 2012, the newly hired Administrator for the New Hampshire Radiological Health Section has been reviewing rules that are incompatible with the NRC regulations and making the necessary revisions to those rules. Revisions will be submitted to the NRC for review.

B. COMMON PERFORMANCE INDICATORS

I. Technical Staffing and Training

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

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

See attached response to I. Technical Staffing and Training – Item 2(a) (in addendum)

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

**See attached response to I. Technical Staffing and Training – Item 2(b) (in addendum)
Past charts will be provided upon arrival.**

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.

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

Not applicable for low-level radioactive waste or uranium recovery programs. For sealed source and device evaluation, see Item 2(b).

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> |
|-------------|-----------------|-----------------------|-------------|
|-------------|-----------------|-----------------------|-------------|

See attached response to I. **Technical Staffing and Training** – Item 3 (in addendum)

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

See attached response to I. **Technical Staffing and Training** – Item 4 (in addendum)

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.

Augustinus Ong, Administrator since May 18, 2012, has not yet met the qualification requirements for a radioactive materials license reviewer or inspector. Even though this position does not include these duties, Mr. Ong is planning to attend the licensing and inspection procedure courses to increase his knowledge of these areas and better prepare him for administering the Section.

David M. Scalise, who has only been on staff for four and a half months, has not yet attended the licensing procedures, inspection procedures, or industrial radiography courses. Nevertheless, he has a strong background in radiological health and safety through his previous positions: Eberline Analytical Corporation Field Laboratory Manager at the FUSRAP project at the Niagara Falls Storage Site (1983-1985), Becquerel Laboratories Inc. Operations Manager at Materials Research Center, SUNY Buffalo (1985-1989) and URS Corporation Environmental Scientist/Manager of Environmental Operations at West Valley Demonstration Project for the Environmental Laboratory and the Analytical and Process Chemistry Laboratory (1989-2011). Since Mr. Scalise's hiring as a Radiation Health Physicist III, he has taken a 20-hour on-line MARSSIM course to improve his general technical background. Plans are for him to attend the licensing and inspection courses this year (waiting for the NRC's new training schedule). Mr. Scalise will be receiving in-house training on inspections and licensing. Additionally, he has started to accompany Radiological Health staff on licensee inspections and incident calls. He is presently training in the Radiation Machines Program, which is the usual procedure for new hires for the first six months.

Tina Laramee has attended the “five-week” Applied Health Physics course in Oak Ridge, TN, the licensing and inspection procedures courses and the industrial radiography course. At this time Ms. Laramee remains in training for the more complex inspection and licensing actions; she is gaining experience via accompaniments and by performing more complex licensing actions under supervision.

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

No significant changes since the last review. We will continue our in-house training procedure for the new health physicist and schedule inspections to allow as much hands-on-training as possible.

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

David P. Lake, Radiation Health Physicist II, left April 30, 2010

Dennis P. O’Dowd, Administrator, left June 30, 2011

Frank Horan, Radiation Health Physicist II, left September 2, 2011

Craig E. Knowles, Radiation Health Physicist III, changed from both Radioactive Materials and Radiation Machines Programs to primarily Radiation Machines Program as of August 2008. (Conducted one inspection after this date and has assisted in incident responses.)

Rick D. D’Alarcao, Ph.D., Radiation Health Physicist III, changed from both Radioactive Materials and Radiation Machines Programs to primarily Radioactive Materials Program as of August 2008.

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.

There are two vacant positions. One new position is a Radiation Health Physicist III which will be split between mammography and rulemaking. This position is currently being discussed with the U.S. Federal Drug Administration.

The second is a part-time Word Processor Operator I which has been vacant for just over five months. The position has been advertised and 78 applications have been received. Interviews are to be scheduled starting the week of September 17th.

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.

Not applicable.

II. Status of Materials Inspection Program

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

Not applicable. The New Hampshire Radiological Health Section fully adopted the NRC inspection schedule in April 1997, and subsequent revisions.

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.

| | Ending 10/01/09 | Ending 10/01/10 | Ending 10/01/11 | Ending 10/01/12 |
|------------------|--------------------|--------------------|--------------------|--------------------|
| Priority 1, 2, 3 | 9 | 7 | 7 | 8 |
| Initials | 2 | 2 | 5 | 5 |

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

Only one inspection was conducted overdue. Detailed information will be provided upon arrival.

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.

Not applicable. There are currently no inspections overdue by more than 25% of the scheduled frequency as set forth in the NRC Inspection manual Chapter 2800.

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.

| Dates | Candidates for Inspection | Inspected |
|---------------------|---------------------------|-----------|
| 09/20/08 – 10/01/09 | 5 | 1 |
| 10/02/09 – 10/01/10 | 7 | 2 |
| 10/02/10 – 10/01/11 | 6 | 1 |
| 10/02/11 – 10/01/12 | 7 | 3 |

III. Technical Quality of Inspections

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

No significant changes since the last review. The Section modifies its program and procedures according to the NRC's Chapter 2800 Manual, as necessary.

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> |
|------------------|-------------------|-------------------------|-------------|
| Kenna, Twila | O'Dowd, Dennis | Vet Therapeutic | 10/02/08 |
| Kenna, Twila | O'Dowd, Dennis | Portable Devices | 06/21/11 |
| D'Alarcao, Rick | Kenna, Twila | Medical Uses | 05/12/09 |
| D'Alarcao, Rick | Kenna, Twila | Medical Uses | 06/25/09 |
| D'Alarcao, Rick | Kenna, Twila | Medical Uses | 11/18/10 |
| D'Alarcao, Rick | Kenna, Twila | Manuf & Distrib | 09/20/11 |
| D'Alarcao, Rick | Kenna, Twila | Ind. Radiography | 05/17/12 |
| D'Alarcao, Rick | Janda, Donna | Ind. Radiography | 09/12/12 |
| Laramee, Tina | D'Alarcao, Rick | Medical Uses | 09/30/09 |
| Laramee, Tina | D'Alarcao, Rick | Medical Uses | 02/04/10 |
| Laramee, Tina | Kenna, Twila | Medical Uses | 02/18/10 |
| Laramee, Tina | Kenna, Twila | Medical Uses | 06/08/10 |
| Laramee, Tina | D'Alarcao, Rick | Medical Uses | 12/14/10 |
| Laramee, Tina | Kenna, Twila | Mobile Scanning | 04/14/11 |
| Laramee, Tina | D'Alarcao, Rick | Medical Uses | 08/30/12 |
| Laramee, Tina | Janda, Donna | Medical Uses | 09/11/12 |

17. Describe or provide an update on your instrumentation, methods of calibration, and laboratory capabilities. Are all instruments properly calibrated at the present time? Were there sufficient calibrated instruments available throughout the review period?

Equipment is calibrated as needed, and at least annually. All equipment currently in use has been appropriately calibrated. All survey instruments used during licensee inspections are calibrated at least at a frequency required for that specific category of licensee. Complete documentation of instrument calibration is available.

IV. Technical Quality of Licensing Actions

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

At present the Agency regulates 82 specific licenses.

19. Please identify any major, unusual, or complex licenses which were issued, received a major amendment, were terminated, decommissioned, submitted a bankruptcy notification

or renewed in this period.

License No. 130R Amend. No. 115
License No. 182R Amend No. 99
License No. 276R Amend No. 45

License No. 465R Amend No. 00
License No. 469R Amend No. 00

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

To our knowledge, there were no variances in licensing policies and procedures or substantive exemptions from the regulations granted during this review period.

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

None noted at this time, except modifications to comply with NRC updates.

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.

**New Hampshire Bureau of Emergency Management 129R
Mary Hitchcock Memorial Hospital 130R
Southern New Hampshire Medical Center 183R
Trustees of Dartmouth College 276R
Huggins Hospital 301R
Parkland Medical Center 308R
Terracon Consultants, Inc. 345R
Myhre Equine Clinic, PLLC 397R**

Four of the eight full renewals are currently in progress (mid-review). Time restrictions were caused by a vacant Administrator position, a vacant Health Physicist position and the Ingestion Pathway Exercises (Seabrook Power Plant). Since all of these issues have been closed, it should now be possible to proceed to reduce the backlog.

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> |
|----------------------|------------------|--------------------------------|-------------------------|
|----------------------|------------------|--------------------------------|-------------------------|

There were no radiological incidents that met regulatory reporting requirements for inclusion in NMED during this review period.

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

None noted at this time.

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.

| | |
|-----------------------|--|
| RSA 125-F:1-25 | Radiological Health Program |
| RSA 125-B | New England Compact on Radiological Health Protection |
| RSA 125:77-b | Radioactive Waste Prohibition |
| RSA 107-B | Nuclear Planning and Response Program |

2011 New Hampshire Legislative Session, HB-2-FN-LOCAL

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

New Hampshire regulations are subject to a "Sunset" law. Regulations whose initial filing dates occurred prior to September 11, 2011, expire 8 years after the rule's effective date. Regulations with rulemaking notices filed after September 11, 2011, expire 10 years after the rule's effective date. The next expiration date for parts of our regulations is 2012; regulations that expire this year are in process to be adopted in September 2012.

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 provided SRS information appears to be correct. According to the SRS, there remain 10 regulation amendments overdue for adoption by the State of New Hampshire:

"Criteria for the Release of Individuals Administered Radioactive Material," 10 CFR Parts 20 and 35 amendment (62 FR 4120)—In process of submittal to the New Hampshire Office of Legislative Services;

"Compatibility With IAEA Transportation Safety Standards and Other Transportation Safety Amendments," 10 CFR Part 71 amendment (69 FR 3697)— In process of submittal to the New Hampshire Office of Legislative Services;

"Medical Use of Byproduct Material," 10 CFR Parts 20, 32, and 35 amendment (67 FR 20249)—In the final stages of editorial correction before submission to NRC for review;

"Medical Use of Byproduct Material—Recognition of Specialty Boards," 10 CFR Part 35 amendment (70 FR 16336 and 71 FR 1926)—In the final stages of editorial correction before submission to NRC for review;

"Minor Amendments," 10 CFR Parts 20, 30, 32, 35, 40, and 70 amendment (71 FR 15005)—In the final stages of editorial correction as it relates to Parts 35 before submission to NRC for review;

"Medical Use of Byproduct Material—Minor Corrections and Clarifications," 10 CFR Parts 32 and 35 amendment (72 FR 45147 and 72 FR 54207)—In the final stages of editorial correction before submission to NRC for review;

“Requirements for Expanded Definition of Byproduct Material,” 10 CFR Parts 20, 30, 31, 32, 33, 35, 61, and 150 amendment (72 FR 55864)—In the final stages of editorial correction before submission to NRC for review;

“Exemptions From Licensing, General Licenses, and Distribution of Byproduct Material: Licensing and Reporting Requirements,” 10 CFR Parts 30, 31, 32, and 150 amendment (72 FR 58473)—In the final stages of editorial correction before submission to NRC for review;

“Occupational Dose Records, Labeling Containers, and Total Effective Dose Equivalent,” 10 CFR Parts 19 and 20 amendment (72 FR 68043)—In the early stages of revision; and

“Medical Use of Byproduct Material—Authorized User Clarification,” 10 CFR Part 35 amendment (74 FR 33901)—In the final stages of editorial correction before submission to NRC for review.

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 New Hampshire process for amending regulations includes the following steps:

| | |
|---|------------------------|
| Drafting the regulation(s) to meet NRC compatibility requirements | 3.0 months |
| NRC review of proposed regulation | 2.0 months |
| Review by New Hampshire Administrative Rules Unit | 0.5 month |
| File with Joint Legislative Committee on Administrative Rules (JLCAR) | 1.0 month |
| Regulation published by JLCAR | 0.5 month |
| Prepare for public hearing | 0.5 month |
| Public hearing period | 0.5 month |
| JLCAR final review of revisions | 0.5 month |
| Finalization of New Hampshire regulation | 1.5 months |
| NRC review of final regulation | <u>2.0 months</u> |
| | Total 12 months |

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

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

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

| SS&D Registration No. | Manufacturer, Distributor, or Custom User | Product Type or Use | Date Issued | Type of Action |
|-----------------------|---|---------------------|-------------|----------------|
| NH-1332-S-101-S | RI Consultants, LLC | Brachytherapy Film | 09/30/10 | New |

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

#2(a). Currently the SS&D Staff consists of Twila M. Kenna, Ph.D. and Asish K. Banerjee please see listing in attached response to I. Technical Staffing and Training – Item 2(a) (in addendum).

#2(b). Currently the SS&D Staff consists of Twila M. Kenna, Ph.D. and Asish K. Banerjee please see listing in attached response to I. Technical Staffing and Training – Item 2(b) (in addendum).

#2(c). See Items 2(a) and 2(b).

#3. SS&D Staff consisted of Dennis P. O’Dowd, Twila M. Kenna, Ph.D. and Asish K. Banerjee please see listing in attached response to I. Technical Staffing and Training – Item 30 (in addendum).

#4. No new hires since the last review in the SS&D Program.

#5. Only two current staff members are trained for SS&D work. Due to the limited activity in this program it has not been considered necessary to increase the number of trained staff.

#6. No changes since the last review.

#7. Dennis O’Dowd, left June 30, 2011

#8. Not applicable.

#9. Not applicable.

#18. At present the SS&D Program regulates 2 specific licenses.

#19. License No. 469R Amend No. 00

#20. To our knowledge, there were no variances in SS&D policies or procedures or substantive exemptions from the regulations granted during the review period.

#21. None noted at this time

#22. Not applicable.

#23. There were no radiological incidents that met regulatory reporting requirements for inclusion in NMED during this review period.

#24. None noted at this time

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:

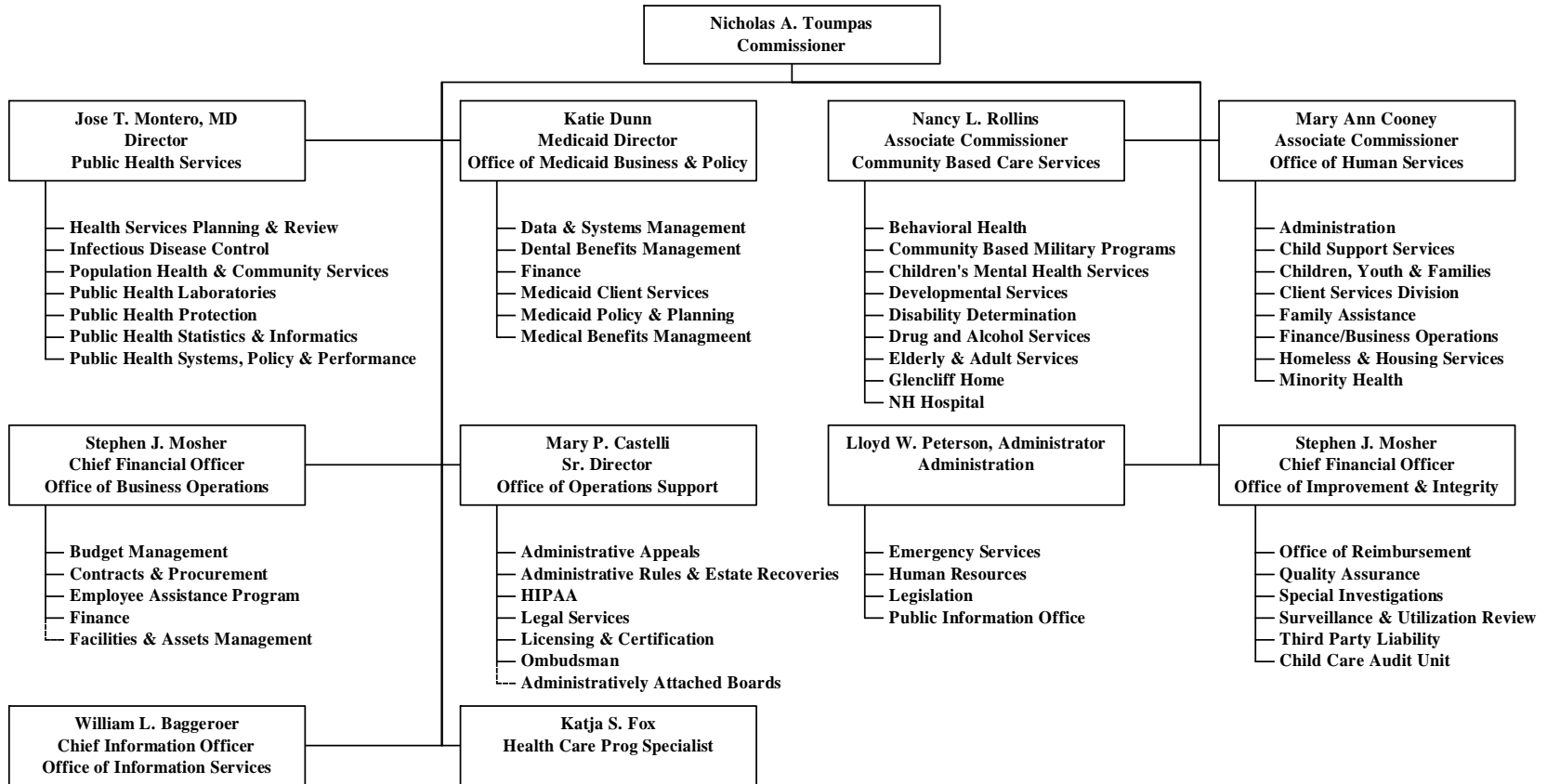
Technical Staffing and Training - Questions 2-9
Status of Materials Inspection Program - Questions 10-14
Technical Quality of Inspections - Questions 15-17
Technical Quality of Licensing Actions - Questions 18-22
Technical Quality of Incident and Allegation Activities - Questions 23-24

Not applicable.

**IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire**

I. Technical Staffing and Training Item 2(a)

Below is the current organization chart. The Commissioner of the Department of Health and Human Services reports to the Governor.



**IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire**

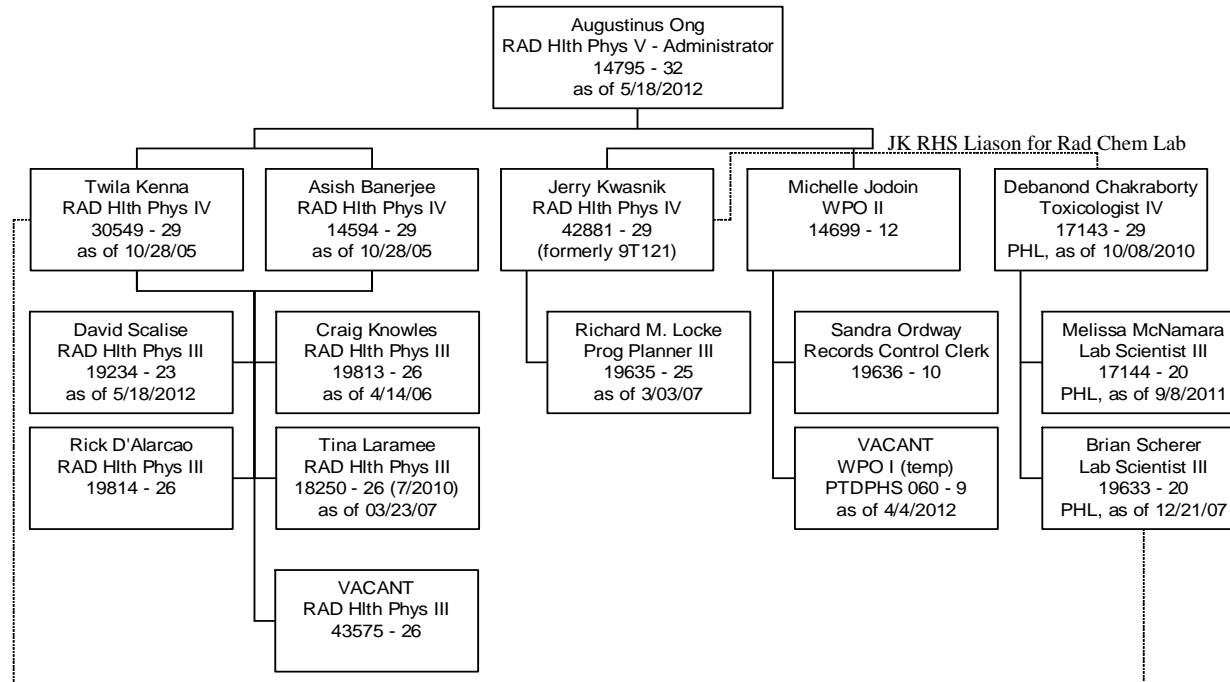
I. Technical Staffing and Training Item 2(a) (cont'd)



**IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire**

I. Technical Staffing and Training Item 2(b)

**Department of Health and Human Services
Division of Public Health Services
Bureau of Public Health Protection
Radiological Health Section
Current - 09/11/12**



IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire

I. Technical Staffing and Training Item 3 (09/20/08 to present)

| Name | Position | Radioactive Materials Program (est. FTE%) | Radiation Machines Program (est. FTE%) | Radiological Emergency Response Program (est. FTE%) | Administration/ Section Management/ Supervision (est. FTE%) |
|--|---|--|---|--|--|
| <i>O'Dowd, Dennis P.</i> <i>(left 06/30/11)</i> | Administrator (Health Physicist V) | 15 | 15 | 15 | 55 |
| <i>Ong, Augustinus</i> <i>(started 05/18/12)</i> | Administrator (Health Physicist V) | 10 | 10 | 10 | 70 |
| <i>Kenna, Twila M., Ph.D.</i> | Manager Radioactive Materials Program (Health Physicist IV) | 90 | 0 | 10 | |
| <i>Banerjee, Asish, K.</i> | Manager Radiation Machine Program (Health Physicist IV) | | 90 | 10 | |
| <i>D'Alarcao, Rick D., Ph.D.</i> | Health Physicist III | 85 | 5 | 10 | |
| <i>Knowles, Craig E.</i> | Health Physicist III | 5 | 85 | 10 | |
| <i>Lake David P.</i> <i>(left 04/30/10)</i> | Health Physicist II | 45 | 45 | 10 | |
| <i>Laramée, Tina M.</i> <i>(before 07/01/10)</i> | Health Physicist II | 45 | 45 | 10 | |
| <i>Laramée, Tina M.</i> <i>(after 07/01/10)</i> | Health Physicist III | 45 | 45 | 10 | |
| <i>Horan, Frank</i> <i>(worked 04/08/11-09/02/11)</i> | Health Physicist II | 45 | 45 | 10 | |
| <i>Scalise, David M.</i> <i>(started 05/18/12)</i> | Health Physicist III | 45 | 45 | 10 | |

Comment: Please note that Radiological Health employees work a 37.5-hour workweek.

**IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire**

I. Technical Staffing and Training Item 4

| <i>NAME OF INDIVIDUAL AND POSITION</i> | <i>HIRING DATE</i> | <i>DEGREES</i> | <i>ADDITIONAL TRAINING</i> | <i>YEARS OF EXPERIENCE</i> |
|--|--|---|---|--|
| <i>Horan, Frank Radiation Health Physicist II</i> | <i>04/08/11 resigned 09/02/11</i> | <i>B.S. – Biotechnology/Chemistry Plymouth State University Ph.D. Student at University of New Hampshire</i> | <i>Radiation Safety Officer Course, RSCS 40 hrs Radiological Emergency Management (IS-3 FEMA) Hazardous Materials (IS-5.A FEMA) Radiological Emergency Response (IS-301 FEMA) Modular Emergency Radiological Response (IS-302 FEMA) National Incident Management System (IS-700 FEMA) NIMS Public Information Systems (IS-702 FEMA) NIMS Resource Management (IS-703 FEMA) MARLAP Fundamentals of Analytical Radiochemistry</i> | <i>3 1/2 years in NH Radiation Control Program (with 3 years working in the Radiological Environmental Monitoring Laboratory Scientist, 1/2year as health physicist)</i> |

**IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire**

I. Technical Staffing and Training Item 4. (cont'd)

| NAME OF INDIVIDUAL AND POSITION | HIRING DATE | DEGREES | ADDITIONAL TRAINING | YEARS OF EXPERIENCE |
|--|-----------------|---|---|---|
| <p><i>Ong, Augustinus</i></p> <p><i>Radiation Health Physicist V (Administrator)</i></p> | <p>05/18/12</p> | <p><i>B.A. – Biology Columbia University, 1976;</i></p> <p><i>M.S. – Biology Bowling Green State University, 1978;</i></p> <p><i>M.P.H. – Health Physics Columbia University, 1991.</i></p> | <p><i>Certified Radiation Protection Technologist, NRRPT (1993); Waste Worker Health & Safety Refresher, New England Consortium (1997); Radiological Emergency Management, EMI (1998); HM-126F General Awareness Training, NHMTA (1998); Hazardous Waste Handling Training, Harbor Management Consultants (1999); Hazardous Materials Decontamination, NH Fire Standards & Training (1999); Laser Safety, Hazards, Inspection & Controls, Laser Institute of America (2000); HAZMAT Waste Management Refresher, Clean Harbors Environmental Services (2002 & 2003); Introduction to Incident Command System EMI (2007); Decontamination & Decommissioning, Argonne Training Course (2009 & 2010); 8 hr Air Transportation of Radioactive Materials, HAZMATEAM Inc, (2012); NMED, Concord, NH (2012); MARSSIM online (2012); Radiological Emergency Management,(IS-003 FEMA) (2012); National Incident Command System (IS-700 FEMA) (2012); National Response Framework (IS-800 FEMA) (2012); Telecommunications Emergency Response Taskforce (IS-144 FEMA) (2012); Performance Management (IS-923)(2012); Introduction to Hazardous Materials (IS- 005 FEMA) (2012)</i></p> | <p><i>Over fifteen years as Radiation Safety and Laser Safety Officer, Dartmouth College; One year as Assistant Radiation Safety Officer, Albert Einstein College of Medicine; Three years as Safety Officer, Department of Environmental Health, Radiation Safety Office, Columbia University.</i></p> |

IMPEP Questionnaire 2012 - ADDENDUM
New Hampshire

I. Technical Staffing and Training Item 4. (cont'd)

| <i>NAME OF INDIVIDUAL AND POSITION</i> | <i>HIRING DATE</i> | <i>DEGREES</i> | <i>ADDITIONAL TRAINING</i> | <i>YEARS OF EXPERIENCE</i> |
|--|--------------------|---|---|---|
| <i>Scalise, David M. Radiation Health Physicist III</i> | <i>05/18/12</i> | <i>B.S. – Biochemistry Niagara University, Lewiston, NY, 1983</i> | <i>DOE Radiation Worker II, DOE biennial refresher (1989-2010); Hazardous Waste Operations (40 hrs) DOE (1990- 2011); Emergency Responder Exercises, DOE at West Valley Demonstration Project (1990-2012); Hazards Screening and Analysis, DOE (1998-2012); Occurrence Reporting System, Westinghouse Nuclear (1991); NMED, Concord, NH (2012); MARSSIM online (2012); National Incident Command System (IS-700 FEMA) (2012); National Response Framework (IS-800 FEMA) (2012);</i> | <i>Twenty-two years at the URS Corporation West Valley Demonstration Project; four years at Becquerel Laboratories Material Research Center SUNY at Buffalo providing instrumental neutron activation analysis; and two years at Eberline Analytical Corporation Niagara Falls Storage Site (FUSRAP).</i> |

IMPEP Questionnaire 2008 - New Hampshire ADDENDUM

II. SS&D Program. Technical Staffing and Training (07/25/05 to present)

Item 30

| Name | Position | Radioactive Materials Program (est. FTE%) | Radiation Machines Program (est. FTE%) | Radiological Emergency Response Program (est. FTE%) | Administration/ Section Management/ Supervision (est. FTE%) |
|---|---|--|---|--|--|
| <i>O'Dowd, Dennis P. (left June 30, 2011)</i> | Administrator (Health Physicist V) | 15 | 15 | 15 | 55 |
| <i>Kenna, Twila, Ph.D.</i> | Manager Radioactive Materials Program (Health Physicist IV) | 90 | 0 | 10 | |
| <i>Banerjee, Asish</i> | Manager Radiation Machine Program (Health Physicist IV) | | 90 | 10 | |

Comment: Both Dennis P. O'Dowd, in 1991, and Twila M. Kenna, Ph.D., in 2006, attended the NRC Sealed Sources and Devices Workshop. Asish K. Banerjee received training from the Massachusetts Radiation Control Program SS&D staff in 2005.