

IMPEP Questionnaire 2005 - ADDENDUM
New Hampshire

III. Staffing and Training

Item 10 – Professional (Technical) Level Staff

| Name | Position | Radioactive Materials Program (est. FTE%)* | Radiation Machines Program (est. FTE%)* | Radiological Emergency Response Program (est. FTE%)* | Administration /Program Management/ Supervision (est. FTE%)* |
|---------------------------|--|---|--|---|---|
| O'Dowd, Dennis P. | Administrator, Radiological Health Section (RHS), (Radiation Health Physicist V) | 15 | | 15 | 70 |
| Vacant | Supervisor, Radioactive Materials Program (Radiation Health Physicist IV) | | | | |
| Kenna, Twila, Ph.D. | Radiation Health Physicist III ("senior-level") | 75 | 10 | 15 | |
| Banerjee, Asish | Radiation Health Physicist III ("senior-level") | 65 | 20 | 15 | |
| D'Alarcao, Rick D., Ph.D. | Radiation Health Physicist III | 40 | 45 | 15 | |
| Chakraborty, Debanond | Radiation Health Physicist III | 35 | 50 | 15 | |
| Jeff, Vicki D. | Health Physicist Contractor for the RHS | 11** | | | |
| Iannaccone, Mario | Health Physicist Contractor for the RHS | 7*** | | | |

*Radiological Health Section employees work a 37.5-hour workweek. Therefore, our one (1) FTE is based on an 1800-hour/year).

**No contracted services in State Fiscal Year (SFY) 2005 (July 1, 2004 – June 30, 2005); Contract renewed on May 4, 2005, therefore, 200 hours available in SFY 2006. 11 FTE% based on 200 hours / 1800-hour year.

***No contracted services in SFY 2005; contract renewal in preparation for SFY 2006; 133 hours potentially available in SFY 2006. 7 FTE% based on 133 hours / 1800-hour year.

Comments:

The current total radioactive materials section "full-time professional" FTEs is estimated to be approximately 2.3, not including administrator's time in RHS management/administrative duties related to materials program, and approximately 2.5, when including administrator's time dedicated to the program. Note, however, that these estimated FTEs do not include additional support as provided by contracted health physicists (see below).

Based on the current professional-level staffing of four health physicist III positions, the total average of time spent is equal to 55% FTE dedicated to the radioactive materials program, 30% of each of professional staff time devoted to radiation machine program activities, and 15% to emergency response activities. Currently, an estimated 15% of Dennis O'Dowd, the section administrator's time, is dedicated

IMPEP Questionnaire 2005 - ADDENDUM
New Hampshire

to radioactive materials program management activities. Note that estimates of Mr. O'Dowd's actual time are difficult and complicated, due to the fact that his responsibilities from the period beginning May 2002 through the present has included those associated with supervision and management of the Radioactive Materials Program, but also administration of the Radiological Health Section, and since April 2004, with management of the Radiation-Producing Machines Program, as well.

Current staffing for the Section's non-technical staff consists of an administrative support supervisor, as well as a records retention clerk. Earlier this year, approval was granted to fill a part-time Word Processor Operator I position to assist the program, particular in the drafting of regulations. Unfortunately, the individual hired for the position resigned after only two months. Efforts are currently underway within the Section to evaluate and justify whether long-term funding would support a proposal to seek modifying the position from a part-time to full-time status, in order to recruit better qualified candidates.

All professional and administrative support staff members are involved in radiological emergency response activities, such as drills and exercises involving the Seabrook Nuclear Station and Vermont Yankee Nuclear Power plant, as well as for Portsmouth Naval Shipyard. The professional-level staff is also involved in responding to other radiological incidents, such as those involving naturally occurring radioactive materials or patient medical waste identified in the public domain. Currently, the following positions are vacant within the Radiological Health Section: (1) Radioactive Materials Program Manager; (2) Radiation-Producing Machines Program Manager; (3) Part-time clerical position for the Radiological Health Section; and (4) a radiation laboratory scientist III position (organizationally, part of the Public Health Laboratory within the Division of Public Health Services). With regard to the positions (1) and (2) described above, the Division is currently awaiting approval from the state's Division of Personnel to allow these positions, currently listed in the state's system as "Health Physicist II – Labor Grade 25", to be reclassified into the new series of "Radiation Health Physicist IV – Labor Grade 29", prior to posting the positions, so that the program managers can be at a higher labor grade than those they supervise. With regard to position (3), please see comment above. Finally, with regard to position (4), this position is currently posted at this time, and we are currently recruiting for qualified applicants.

In addition to the professional full-time staff, for the period beginning mid-2002 until June 30, 2004, two individuals worked under contract with the Department to assist in specific Section functions. One of these individuals, Mario Iannaccone, a former staff member of New Hampshire's program and currently employed with the Massachusetts radiation control program, conducted radioactive material license inspections on an "as needed/as available" basis; the other contractor, Vicki D. Jeffs, a former supervisor of the Commonwealth of Kentucky's Radiation Control Program, conducted radioactive material license application reviews on behalf of the program. Due to certain issues raised by the state's Attorneys General's office, both contracts lapsed in 2004; however, Ms. Jeffs' was renewed, effective May 4, 2005, and efforts are currently well underway for renewal of Mr. Iannaccone's contract. The Section's original intent back in 2002 of entering into these contracts was as an interim measure while recruiting for vacant health physicist positions and allowing for a subsequent period of training new hires. Our current intent is to provide necessary coverage during this interim period prior to filling the currently vacant Radioactive Materials Program Manager and the Radiation Machines Program Manager positions.

IMPEP Questionnaire 2005 - ADDENDUM
New Hampshire

III. Staffing and Training

Item 11. – Training of Staff Hired Since 2002

| NAME OF INDIVIDUAL | POSITION | HIRING DATE | DEGREES | ADDITIONAL TRAINING | YEARS OF EXPERIENCE |
|--------------------|--------------------------------|-------------|---|---|--|
| Banerjee, Asish | Radiation Health Physicist III | 11/18/02 | <p>B.S. - 1973 (metallurgical engineering) University of Calcutta, India;</p> <p>M.S. - 2000 (industrial and management system engineering) University of Nebraska-Lincoln.</p> | <ul style="list-style-type: none"> • 24-credit hours in nuclear engineering, Louisiana State University (1985-1988); • 18-credit hours Health Physics and Radiological Engineering (Georgia Tech); • Air Sampling in the Radioactive Environment, (40-hours) Woodson Associates (with Dr. Cember) (1991); • Occupational and Environmental Radiation Protection, (40-hours) Harvard School of Public Health (1991); • Advanced Workshop Occupational and Environmental Radiation Protection, (40-hours), Harvard School of Public Health (1991); • Radiological Emergency Response Orientation Training (RERO) DOE, (1991); • Environmental Monitoring for Radioactivity course (40-hours) (ORAU – 1993); • Applied Health Physics (H-109) (200-hours) Oak Ridge Associated Universities (ORAU) (1995); • NRC Licensing Practices and Procedures Course (G-109) (40-hours) (2003); • NRC Inspection Practices Course (G-108) (40-hours) (2003); • Manufacturer's Training Course for the NITON Spectrum Analyzer, NITON, LLC (2003); • Safety Aspects of Industrial Radiography (H-305) (40-hours) (2003); • Fundamentals of Safety and Gauge Operation for the Use of Nuclear Moisture/Density Equipment, Q/C Resource, (2004); • Sealed Sources & Devices Workshop – Onsite training provided by the Massachusetts RCP (2005); • Transportation of Radioactive Materials (Health Physics Society-sponsored) (2005) | 16+ years in the field of health physic, including regulatory health physics, both in radiation-producing machines, radioactive materials regulatory programs; experience as a metallurgical engineer, and in radiation chemistry, environmental monitoring and surveillance, relative to low-level radioactive wastes siting. |

IMPEP Questionnaire 2005 - ADDENDUM
New Hampshire

| NAME OF INDIVIDUAL | POSITION | HIRING DATE | DEGREES | ADDITIONAL TRAINING | YEARS OF EXPERIENCE |
|-----------------------|--------------------------------|-------------|--|--|---|
| D'Alarcao, Rick D. | Radiation Health Physicist III | 07/11/03 | B.S. – 1994 (physics); M.S. – 1998 (physics); Ph.D. – 2000 (physics); | <ul style="list-style-type: none"> • NRC Licensing Practices and Procedures Course (G-109) (40-hours) (2003); • NRC Inspection Practices Course (G-108) (40-hours) (2003); • Safety Aspects of Industrial Radiography (H-305) (40-hours) (2003); • Fundamentals of Safety and Gauge Operation for the Use of Nuclear Moisture/Density Equipment, Q/C Resource, (2004); • Radiological Emergency Response (IS-301) Emergency Management Institute (2003); • Radiological Accident Assessment, Emergency Management Institute (40-hours) (2004); • Applied Health Physics (H-109) (200-hours) Oak Ridge Associated Universities (ORAU) (2004); • Materials Inspection Accompaniments – NH & Maine Radiation Control Programs (2004-2005); • Transportation of Radioactive Materials (Health Physics Society sponsored) (2005) | Two years in the field of health physic (both in radiation-producing machines and radioactive materials regulatory programs) |
| Chakraborty, Debanond | Radiation Health Physicist III | 08/22/03 | B.S. - 1993 (physics) University of Chittagong, Bangladesh; M.S. - 1996 (physics) University of Chittagong, Bangladesh; M.S. - 2000 (physics), Memorial University of Newfoundland | <ul style="list-style-type: none"> • NRC Licensing Practices and Procedures Course (G-109) (40-hours) (2004); • NRC Inspection Practices Course (G-108) (40-hours) (2003); • Safety Aspects of Industrial Radiography (H-305) (40-hours) (2004); • Fundamentals of Safety and Gauge Operation for the Use of Nuclear Moisture/Density Equipment, Q/C Resource, (2004); • Radiological Emergency Response (IS-301) Emergency Management Institute (2003); • Radiological Accident Assessment, Emergency Management Institute (40-hours) (2004); • Materials Inspection Accompaniments – NH & Maine Radiation Control Programs (2004-2005); • Transportation of Radioactive Materials (Health Physics Society sponsored) (2005) | 3 – 3.5 years in the field of health physics (both in radiation-producing machines and radioactive materials regulatory programs) |

IMPEP Questionnaire 2005 - ADDENDUM
New Hampshire

III. Staffing and Training
Item 13

Current Staffing – July 2005

The Radiological Health Section of the Department of Health and Human Services, Division of Public Health Services, Bureau of Prevention Services, currently consists of eight individuals (and one individual under contract) . These individuals are, in order of seniority, as follows:

- Dennis P. O'Dowd, Administrator, Radiological Health Section.
- Twila Kenna, Ph.D., Radiation Health Physicist III
- Michelle Jodoin, Supervisor, Administrative Support
- David Lake, Manager, Principal Planner III, Rad Emergency Response Program (Nuclear plant off-site response)
- Asish Banerjee, Radiation Health Physicist III
- Jerry Kwasnik, Ph.D., Radiation Health Physicist III (Rad Emergency Response Planner (Non-nuclear plant response)
- Rick D'Alarcao, Ph.D., Radiation Health Physicist III
- Debanond Chakraborty, Radiation Health Physicist III
- Sandra Ordway, Records Retention Clerk
- Vicki D. Jeffs, Contracted Health Physics License Reviewer

Staffing Changes from 2001 through 2005

See next page.

IMPEP Questionnaire 2005 - New Hampshire ADDENDUM

| Employee Name | Position Title | Program Area (listed in order of primary focus area) | Hiring/Start Date | Resignation/ Transfer Date |
|---------------------------|---|---|-----------------------------------|----------------------------|
| Backurz, Stephen | Health Physicist I | radioactive materials program inspection and licensing; radiation machines program inspections | (prior to 2001) | 04/05/01 |
| Jeffs, Vicki D. | Health Physicist contractor | under contract to perform radioactive materials program licensing | 04/17/02 05/04/05 ¹ | 06/30/04 - |
| Tefft, Diane | Administrator/Bureau Chief | administered all program areas; rule-making | (prior to 2001) | 04/30/02 |
| Iannaccone, Mario | Health Physicist contractor | under contract to conduct rad materials program inspection | 09/04/02 | 06/30/04 |
| Banerjee, Asish | Rad Health Physicist III | radiation machines program inspections; radioactive materials program inspection and licensing | 11/18/02 | - |
| Kwasnik, Jerry, Ph.D. | Rad Health Physicist III | radiological emergency response | 01/10/03 | (01/07/04)* |
| Foster, Stephen | Health Physicist I | radiation machines program inspections; radioactive materials program inspection and licensing | (prior to 2001) | 03/11/03 |
| Lake, David | Principal Planner III | radiological emergency response planning | 04/11/03 | (01/07/04)* |
| Joy, Amy | Records Retention Clerk | administrative support/clerical – Radiological Health Bureau | 06/13/03 | 05/13/04 |
| D'Alarcao, Rick D., Ph.D. | Rad Health Physicist III | radiation machines program inspections radioactive materials program inspection and licensing | 07/11/03 | - |
| Knowles, Craig | Supervisor, Radioanalytical Laboratory | manages radiochemistry laboratory; environmental monitoring program; radio-analysis of incoming radioactive materials samples | (prior to 2001) | (08/01/03)+ |
| O'Connor, Susan | Radiation Laboratory Scientist III | radiochemistry laboratory; environmental monitoring; radio-analysis of incoming radioactive materials samples | (prior to 2001) | (08/01/03)+ 04/01/05 |
| Chakraborty, Debanond | Rad Health Physicist III | radiation machines program inspections radioactive materials program inspection and licensing | 08/22/03 | - |
| Doyon, Priscilla | Word Proc Operator I | administrative support/clerical for all BRH | (prior to 2001) | 12/17/03 |
| Brown, Joan | Program Planner | radiological emergency response planning | (prior to 2001) | (01/07/04)* |
| Johnston, Wayne | Supervisor, Radiation Machines Section | supervised radiation-producing machines regulatory program/shared duties of acting bureau chief | (prior to 2001) | 04/15/04 |
| Kwasnik, Jerry, Ph.D. | Rad Health Physicist III | radiological emergency response (non-power plant) | 07/01/04** | - |
| Lake, David | Principal Planner III | radiological emergency response planning (nuclear plant) | 07/01/04** | - |
| Ordway, Sandra | Records Retention Clerk | administrative support/clerical - Radiological Health Section | 09/10/04 | - |
| Goyette, Kimberly | Word Proc Operator I | administrative support/clerical - Radiological Health Section | 04/01/05 | 06/01/05 |
| O'Dowd, Dennis | Manager, Radioactive Materials Program | supervised and managed radioactive materials regulatory program; performed duties of administrator | (prior to 2001) | 06/02/05 |
| O'Dowd, Dennis | Administrator, RHS | administers all radiological health program areas; rule-making | 06/03/05 | - |

¹ Contract renewal date.

* Transferred with radiological emergency response program from the Department of Health and Human Services' Bureau of Radiological Health to the New Hampshire Department of Safety's Bureau of Emergency Management. Legislative reinstated with Radiological Health Section on July 1, 2004.

+ Transferred with radiochemistry laboratory/environmental monitoring program from the Department of Health and Human Services' Bureau of Radiological Health to the Department of Health and Human Services' Public Health Laboratories.