

Rhode Island Department of Health  
Center for Health Facilities and Regulations  
Radiation Control Program

Approved by OMB<sup>1</sup>  
Control No. 3150-0183  
Expires 12/31/2016

**INTEGRATED MATERIALS PERFORMANCE EVALUATION ROGRAM**  
**QUESTIONNAIRE**

**Name of State Program:** Rhode Island  
**Reporting Period:** 29 October 2011 to 6 March 2016

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

**A. GENERAL**

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

**B. COMMON PERFORMANCE INDICATORS**

**I. Technical Staffing and Training**

2. Please provide the following organization charts, including names and positions:
- (a) A chart showing positions from the Governor down to the Radiation Control Program Director;  
    ▲ *See Attachment A–Radiation Control Program Hierarchy Chart*
  - (b) A chart showing positions of the radiation control program, including management; and  
    ▲ *See Attachment B –RI Department of Health Organizational Structure Chart*
  - (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.

Name	Position	Area of Effort	FTE%
Charma Waring	Supervising Radiological Health Spec.	Program Management & Licensing	50/20
Dennis Klaczynski	Radiological Health Spec.	Inspection	70
Thomas Caruolo	Radiological Health Spec.	Licensing (Reciprocity)	10
Bill Dundulis	Risk Assessment	Specialized licensing; Regulations & policy	5/35

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Name	Position	Area of Effort	FTE%
	Toxicologist		
VACANT since January 2013	Industrial Hygienist		
VACANT since September 2012	Radiological Health Specialist		

**NOTE:** FTE's < 100% are utilized in X-Ray, Tanning, Mammography or other programs.

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.
  - ▲ Thomas Caruolo joined the Radiation Control Program as a Radiological Health Specialist on June 14, 2015. Mr. Caruolo had previously worked in the Radiation Control Program from 1997-2002. During his tenure in other Rhode Island Department of Health Programs from 2002-2015, he performed various types of detailed inspections which involved the implementation and enforcement of both State and Federal Regulations. In addition to the inspections, Mr. Caruolo was performing industrial hygiene audits, and had a major role in the Center for Preparedness and Readiness (CEPR), as the Safety Officer at the RI Department of Health during implementation and activation of the Incident Command System involving Public Health Emergency preparedness.
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.
  - ▲ Thomas Caruolo has not yet the requirements for a radioactive materials license reviewer or inspector. Since joining the Radiation Control Program in July of 2015, Mr. Caruolo has assisted with investigations involving scrap metal alarms, and has performed preliminary review of renewal applications for radioactive materials reciprocity applications.
  - ▲ In February 2016, Mr. Caruolo successfully completed the NRC Introductory Health Physics course in Chattanooga, Tennessee. He is also scheduled to attend the NRC "Inspection Procedures" course in March of 2016. This will provide Mr. Caruolo with license review familiarity, and it is anticipated he will begin supervised preliminary review of some portable gauge license renewal applications by the summer of 2016.
  - ▲ It is anticipated Mr. Caruolo will be attending a minimum of four additional NRC sponsored courses over the next two years. The anticipated courses are Licensing Procedures, and Transportation of RAM, Increased Controls, and Industrial Radiography.
6. Identify any changes to your qualification and training procedure that occurred during the review period.
  - ▲ The Radiation Control Program is in process of developing its own IMC-1248 protocols for compatibility with the NRC requirements.
7. Please identify the technical staff that left your radioactive materials program during the review period and indicate the date they left.
  - ▲ Shelley Regan (Industrial Hygienist) began medical leave from the Radiation Control Program in January of 2012, and retired from the State of Rhode Island in July of 2013. Her position has been vacant since her retirement, and is not scheduled to be filled during the next 1-2 fiscal years.
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.
  - ▲ **Radiological Health Specialist** – This position has been vacant since September of 2012. The

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original anticipated fill date was April of 2016. However, this position is currently under review by the State Budget Office and the anticipated fill date has been pushed back to late May 2016.

▲ **Industrial Hygienist** – This position has been vacant since January 2013, and is currently anticipated to be replaced by a licensing aide. The anticipated time frame for filling the licensing aide position is May 2016.

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.

▲ § 23-1.3-13 Radiation advisory commission. – *There is created an advisory commission to be known as the state radiation advisory commission, which shall consist of eleven (11) members.*

The make-up of the committee, the term of appointment and the voting requirements all have a controlling interest in addressing potential conflicts. In addition, in the past, members who had a potential for a conflict would remove themselves from voting on the matter. The Commission functions as an “advisory” group with the Agency having the discretion to accept or reject direction from the commission.

**II. Status of Materials Inspection Program**

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

▲ None of the Radiation Control Program’s radioactive materials licenses are being inspected less frequently than called for in NRC’s IMC 2800.

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.

<b>Priority</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>TOTAL</b>
Total Licensees/ priority	4	8	10	23	45
Routine Insp.	4	8	10	18	40
Initial Insp.	1	1	0	2	2
IC Insp.	4	4	0	1	9

**NOTE:** Current Licensee base is 45 as of 24 February 2016.

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:

▲ Refer to Appendix C: Radiation Control Program – Radioactive Materials Inspections 2011-2016  
Conducted Overdue Routine Inspections – year

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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.

▲ There are no overdue Inspections per IMC 2800 as of 24 February 2016.

▲ 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.

▲ Refer to Appendix D: Reciprocity Inspections – 2011-2016.

In general, any Category A or Category B approvals would be a candidate for inspection, if they actually entered the state (i.e., some companies maintain a reciprocity approval “just in case” they need to provide short notice services for existing clients). Category C approvals are generally not candidates for inspection. However, they are reviewed on an individual basis (e.g., scope of work, client, past compliance history, etc.) to determine if they should be scheduled for a reciprocity inspection.

### **III. Technical Quality of Inspections**

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

▲ No significant changes to Inspection Procedures Manual or inspection forms though June 2011. The Radiation Control Program began transition to our equivalent of the new NRC IMC 2800 (including revised inspection frequencies) in July 2011.

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

▲ Refer to Appendix E: Accompaniments – 2011 to 2016

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?

▲ Instrument calibration is provided by equipment manufacturer and/or outside vendors. All field instruments are calibrated on an annual frequency and rotated such that sufficient quantities of instruments will be available for use during calibration periods. Laboratory capabilities are limited-the state laboratory no longer has the capabilities to provide assistance with evaluating wipes or other field samples. The Radiation Control Program has an understanding with two broad scope licensees to provide limited laboratory assistance on an as-needed basis.

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**IV. Technical Quality of Licensing Actions**

18. How many specific radioactive material licenses does your program regulate at this time?  
▲ Refer to Appendix F: Current Licenses [45 specific licensees].
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.  
▲ Rhode Island Hospital is our most complex licensee and had requested a number of significant license amendments during the period of this review. While other licenses have been issued, renewed, terminated or decommissioned during the period of this review, none of them would be considered complex or unusual licensing actions that required a disproportionate amount of staff effort for review. However, it should be noted that licensing certain new technologies (e.g., PET and PET/CT), where regulatory jurisdiction is shared with other Health Department agencies, does require a high degree of coordination (and some additional meetings) to ensure that no regulatory approvals are granted until all agencies are ready to proceed with licensing. There were no bankruptcy notifications submitted during the period of this review.
20. Discuss any variances in licensing policies and procedures or exemptions from the regulations granted during the review period.  
▲ No significant variances or exemptions were issued during the period of this review.
21. What, if any, changes were made in your written licensing procedures (new procedures, updates, policy memoranda, etc.) during the reporting period?  
▲ **NEW SECURITY CHECKLISTS AS PER NRC** Revised licensing checklists have been prepared for reviewer use, particularly with regard to medical licensing. In addition, RI-specific regulatory guides (comparable to NUREG 1556 series) have been issued for human-use licenses and academic, research and development, and other licenses of limited scope. RI-specific forms comparable to the latest (2007) NRC forms utilized to document training, experience and preceptor attestation for medical use licensees have been created.
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.  
▲ Refer to Appendix G: Overdue Renewals – 2011 to 2016  
▲ Renewal reviews were delayed for a number of reasons, primarily staffing and other actions in the program. During this period 2011 – 2016 attempts were initiated to decrease this backlog by administrative means.

**V. Technical Quality of Incident and Allegation Activities**

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

Licensee Name	License #	Date of Incident/Report	Type of Incident
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▲ *All reportable events have been previously submitted to NMED*

24. Identify any changes to your procedures for responding to incidents and allegations that occurred during the period of this review.  
▲ No changes to our protocols for handling incidents or allegations were implemented during the period of this review.

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**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.

▲ All specific enabling authority for the Radiation Control Program is pursuant to *RIGL 23-1.3 - Radiation Control*. [<http://www.rilin.state.ri.us/Statutes/TITLE23/23-1.3/INDEX.HTM>]. There have been no changes to our enabling legislation during the period of this review.

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

▲ The *Rules and Regulations for the Control of Radiation* are not subject to a specific "sunset" law per se. However, RIGL 42-35-4.1 requires that all regulations promulgated by state agencies be administratively refilled every five years to remain in effect. The radiation control regulations were last administratively refilled in January 2012 and will not be due for refiling again until January 2017. [<http://www.rilin.state.ri.us/Statutes/TITLE42/42-35/42-35-4.1.HTM>]

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.

▲ The last major amendments to *Rules and Regulations for the Control of Radiation* were in September 2013 [i.e., through RATS 2012-4].

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 January 2016 license amendments were issued to impacted licensees which impose requirements equivalent to 10 CFR 37 [RATS 2013-1].

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 protocols currently used to maintain compatibility with NRC regulations are essentially identical to those which have been utilized by the Radiation Control Program since receipt of the Agreement in 1980:

1. Applicable NRC regulations (and any applicable SSRs) are reviewed by senior staff who generate proposed amendments that are compiled in accordance with our existing regulation format. The length of time for this step is highly variable and depends on the number and complexity of regulations to be reviewed.
2. Once the proposed regulatory changes have been compiled into a "Draft Regulations" document, it is presented to our Radiation Advisory Commission (RAC) for their review and comments. This is typically accomplished within a month of document completion.
3. Although the RAC is only advisory in nature (i.e., does not have any statutory oversight authority), the Radiation Control Program will typically present the draft document to the RAC Regulations Subcommittee for further review and modification to produce a "Final" document. This document then comes back to the RAC for additional review before initiating the State's formal rulemaking process. As with step 1, the length of time for this step is highly variable and depends on the number and complexity of regulations to be reviewed.
4. Prior to March 2015, the Radiation Control Program was only required to follow the State's Administrative Procedures Act (RIGL Chapter 42-35) for its rulemaking process. In March 2015 Governor Gina Raimondo issued Executive Order 15-07 which established additional steps in the rulemaking process. A mandated external review of the proposed regulations (prior to Public Hearing) by the Office of Regulatory Reform (ORR) will add up to thirty (30)



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additional days to the review process. Furthermore, the Radiation Control program is now required to develop an economic impact analysis of the proposed regulations as part of the submission to ORR. Once a proposed regulations receives ORR clearance, it must be posted for at least an additional thirty (30) days before a Public Hearing can be held.

5. After the conclusion of the Public Hearing/comment period, the Radiation Control Program will analyze all comments received. Regulations which receive multiple or highly technical comments will typically require additional time for proper review. Copies of all comments and the Radiation Control Program's proposed actions must be submitted for a second ORR review, which may take up to an additional thirty (30) days. Once ORR has granted a second approval, the regulations are filed with the Secretary of State and become effective twenty (20) days after filing.

**II. Sealed Source and Device (SS&D) Evaluation Program *NOT APPLICABLE FOR RHODE ISLAND***

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
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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

**III. Low-level Radioactive Waste Disposal Program *NOT APPLICABLE FOR RHODE ISLAND***

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

Technical Staffing and Training - Questions 2-9

Status of Materials Inspection Program - Questions 10-14

Technical Quality of Inspections - Questions 15-17

Technical Quality of Licensing Actions - Questions 18-22

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

**IV. Uranium Recovery Program *NOT APPLICABLE FOR RHODE ISLAND***

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

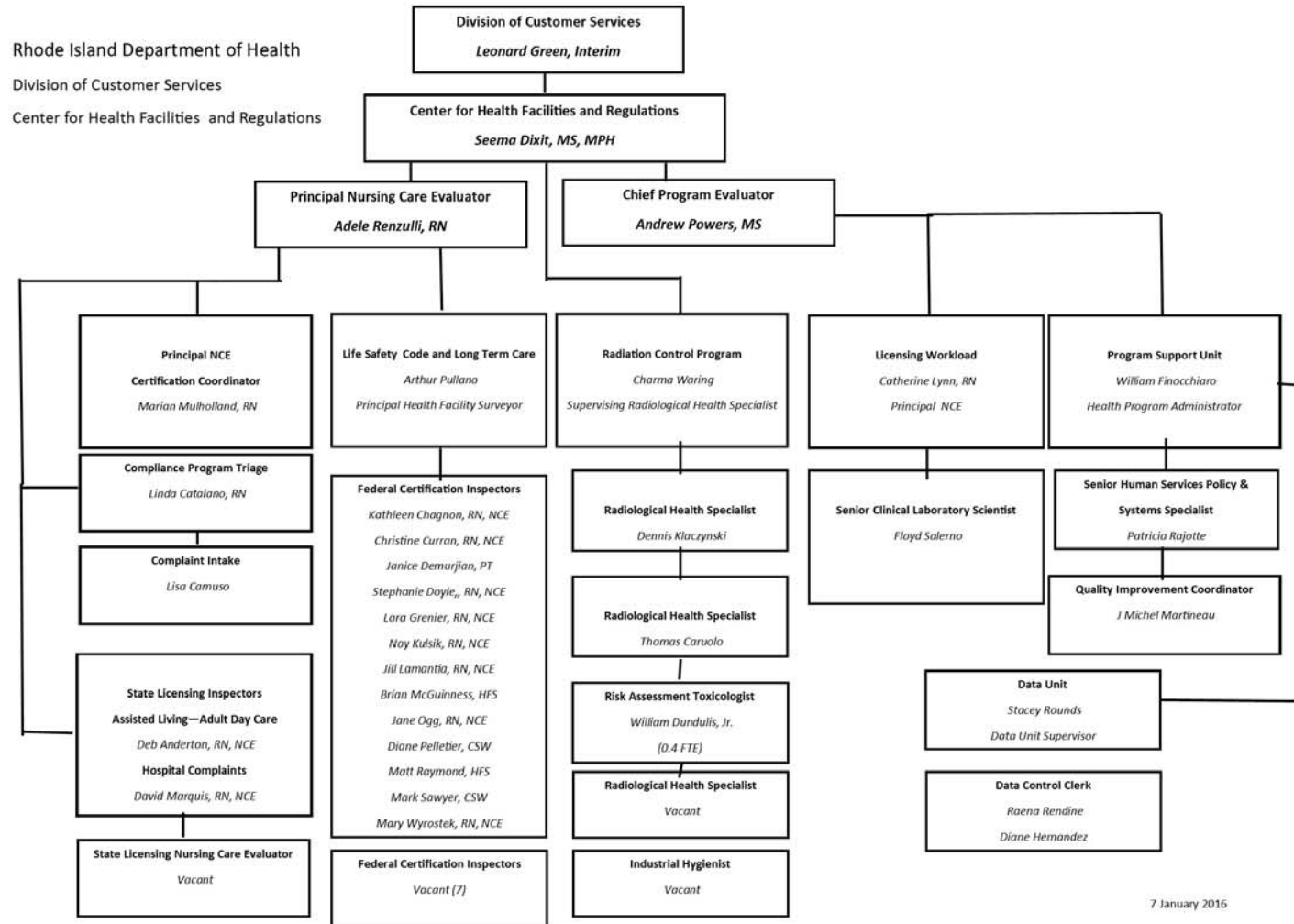
Technical Quality of Incident and Allegation Activities - Questions 23-24

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**Attachment A**  
***Radiation Control Program Hierarchy Chart***



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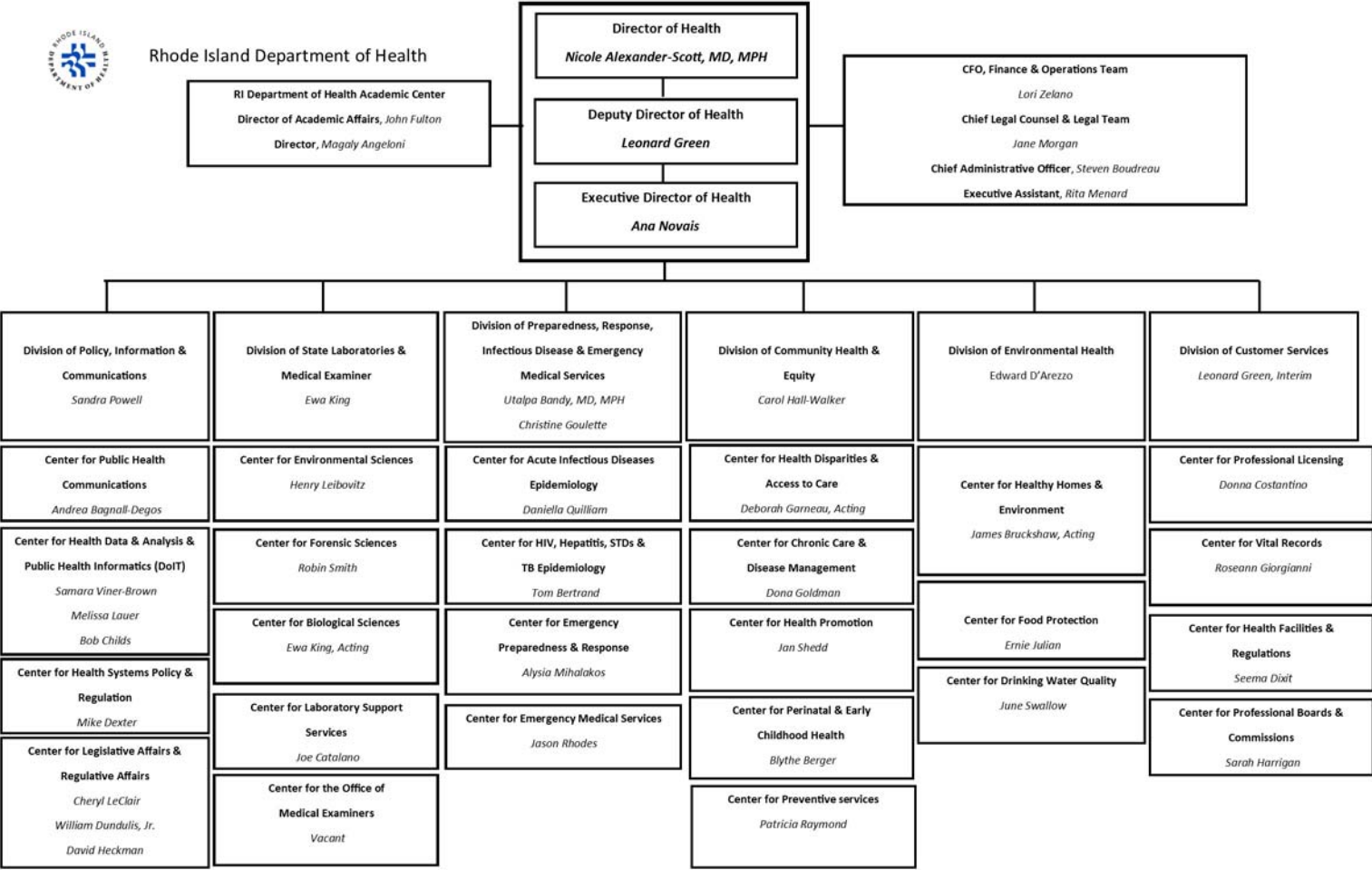


7 January 2016



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Attachment B  
RI Department of Health Organizational Structure Chart



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Appendix C  
Radiation Control Program – Radioactive Materials Inspections 2011-2016  
Conducted Overdue Routine Inspections – year

LICENSE #	LICENSEE	PERIOD OVERDUE	PRIOR
3D-005-01	Electric Boat Corporation	Last 12/7/2012 – inspected 4/10/2014	03320 Industrial Radiography T
3D-117-01	Ocean State Technical Services	Last 12/27/2012 – inspected 4/18/2013	03320 Industrial Radiography T
7A-051-02	Rhode Island Hospital	Last – 8/2/2010 – inspected 2/23/2013	02310 Stereotactic Radiosurger
7D-026-01	Roger Williams Medical Center	Last 10/31/2010 – inspected 10/2014	02110 Medical Institution Broa
7D-045-02	Women & Infants Hospital of Rhode Island	Last 11/15/2012 – inspected 5/8/2015	02110 Medical Institution Broa

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**Appendix D**

**Reciprocity Inspections – 2012-2014**

<b>Priority</b>	<b>2012 LICENSES</b>	<b>2012 INSPECTIONS</b>	<b>2013 LICENSES</b>	<b>2013 INSPECTIONS</b>	<b>2014 LICENSES</b>	<b>2014 INSPECTIONS</b>
<b>Total Reciprocity Licensees/priority</b>	<b>15</b>	<b>7</b>	<b>14</b>	<b>4</b>	<b>12</b>	<b>2</b>
<b>Category 1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>
<b>Category 2</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>1</b>
<b>Category 3</b>	<b>7</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>

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**Appendix D (continued)**

**Reciprocity Inspections – 2015-2016**

<b>Priority</b>	<b>2015 LICENSES</b>	<b>2015 INSPECTIONS</b>	<b>2016 LICENSES</b>	<b>2016 INSPECTIONS (through 2/2016)</b>
<b>Total Reciprocity Licensees/priority</b>	<b>23</b>	<b>3</b>	<b>16</b>	<b>0</b>
<b>Category 1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>
<b>Category 2</b>	<b>6</b>	<b>2</b>	<b>7</b>	<b>0</b>
<b>Category 3</b>	<b>15</b>	<b>0</b>	<b>7</b>	<b>0</b>

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**Appendix E  
Accompaniments – 2011 to 2016**

<b>Inspector</b>	<b>Supervised</b>	<b>License Category</b>	<b>Date.</b>
Charma Waring	William Dundulis	02230 High Med Pulsed Dose Afterloader	2/14/2013
Dennis Klaczynski	Charma Waring	02310 Sterotactic Radiosurgery	2/23/2013
Dennis Klaczynski	Charma Waring	02230 High Med Pulsed Dose Afterloader	8/8/2014
Charma Waring	William Dundulis	02120 Medical Institution WD Required	7/14/2014
Dennis Klaczynski	Charma Waring	03121 Portable Gauge	12/31/2015

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**Appendix F  
Current List of Radioactive Materials Licensees**

<b>LICENSE #</b>	<b>LICENSEE</b>	<b>NRC LICENSE TYPE</b>
3B-114-01	Cardinal Health	02500 Nuclear Pharmacies
3D-005-01	Electric Boat Corporation	03320 Industrial Radiography Temporary Jobsite
3D-065-01	Thielsch Engineering Inc.	03320 Industrial Radiography Temporary Jobsite
3D-117-01	Ocean State Technical Services	03320 Industrial Radiography Temporary Jobsite
3E-100-01	Rhode Island Blood Center	03510 Irradiator Self-Shield < 370 TBq
3K-036-01	Brown University	01100 Academic Type A Broad
3K-040-01	University Of Rhode Island	01100 Academic Type A Broad
3K-126-01	Ocean State Veterinary Specialists	02400 Veterinary Nonhuman
3K-136-01	Vero Science LLC	03620 Research/Development Other
3L-015-01	RI Department of Transportation	03121 Measurement System Port Gauge inc Lixiscop
3L-050-01	Geisser Engineering Corporation	03121 Measurement System Port Gauge inc Lixiscop
3L-065-02	Thielsch Engineering Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-079-01	GZA Geoenvironmental Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-083-01	PK Associates	03121 Measurement System Port Gauge inc Lixiscop
3L-096-01	Professional Service Industries Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-107-01	Paul B Aldinger & Associates Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-119-01	Terracon Consultants Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-135-01	Haley And Aldrich Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-142-01	ATC Associates Incorporated	03121 Measurement System Port Gauge inc Lixiscop
3L-143-01	Brown & Caldwell	03121 Measurement System Port Gauge inc Lixiscop
3L-147-01	Joe Casali Engineering Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-146-01	Huestis Machine Corporation	03220 Leak Test Services Only



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<b>LICENSE #</b>	<b>LICENSEE</b>	<b>NRC LICENSE TYPE</b>
7A-051-02	Rhode Island Hospital	02310 Stereotactic Radiosurgery
7B-012-01	South County Hospital	02120 Medical Institution - WD Required
7B-016-01	Newport Hospital	02120 Medical Institution - WD Required
7B-019-01	Landmark Medical Center	02120 Medical Institution - WD Required
7B-020-01	Kent Hospital	02120 Medical Institution - WD Required
7B-035-01	Westerly Hospital	02120 Medical Institution - WD Required
7B-043-01	Memorial Hospital of Rhode Island	02120 Medical Institution - WD Required
7B-073-02	Richard P. Sanantonio, MD	02201 Medical Private Practice - no WD Required
7B-120-01	John D. Lowney, DO	02201 Medical Private Practice - no WD Required
7B-125-01	Cardiovascular Associates of Rhode Island	02201 Medical Private Practice - no WD Required
7B-134-01	Cardiology Specialists Ltd	02201 Medical Private Practice - no WD Required
7B-137-01	Cardiovascular Institute of New England PC	02201 Medical Private Practice - no WD Required
7B-144-01	JNA Associates LLC	02201 Medical Private Practice - no WD Required
7B-145-01	Ocean State Cardiovascular & Vein Center	02201 Medical Private Practice - no WD Required
7B-131-01	Rhode Island P.E.T. Services LLC	02220 Mobile Nuclear Medicine Service
7B-038-03	North Main Radiation Oncology	02230 High-Med-Pulsed Dose Afterloader
7B-053-02	Radiation Oncology Services Of Rhode Island	02230 High-Med-Pulsed Dose Afterloader
7B-139-01	Roger Williams Radiation Therapy LLC	02230 High-Med-Pulsed Dose Afterloader
7D-026-01	Roger Williams Medical Center	02110 Medical Institution Broad
7D-045-02	Women & Infants Hospital of Rhode Island	02110 Medical Institution Broad
7D-051-01	Rhode Island Hospital	02110 Medical Institution Broad
8A-009-01	RI Emergency Management Agency	03710 Civil Defense
8A-009-02	RI Emergency Management Agency	03710 Civil Defense

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**Appendix G:  
Overdue Licensing Actions 2011-2016**

<b>LICENSE #</b>	<b>LICENSEE</b>	<b>NRC LICENSE TYPE</b>
3D-005-01	Electric Boat Corporation	03320 Industrial Radiography Temporary Jobsite
3D-065-01	Thielsch Engineering Inc.	03320 Industrial Radiography Temporary Jobsite
3K-036-01	Brown University	01100 Academic Type A Broad
3K-040-01	University Of Rhode Island	01100 Academic Type A Broad
3L-065-02	Thielsch Engineering Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-083-01	PK Associates	03121 Measurement System Port Gauge inc Lixiscop
3L-096-01	Professional Service Industries Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-107-01	Paul B Aldinger & Associates Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-119-01	Terracon Consultants Inc.	03121 Measurement System Port Gauge inc Lixiscop
3L-135-01	Haley And Aldrich Inc.	03121 Measurement System Port Gauge inc Lixiscop
7B-012-01	South County Hospital	02120 Medical Institution - WD Required
7B-019-01	Landmark Medical Center	02120 Medical Institution - WD Required
7B-035-01	Westerly Hospital	02120 Medical Institution - WD Required
7B-073-02	Richard P. Sanantonio, MD	02201 Medical Private Practice - no WD Required
7B-137-01	Cardiovascular Institute of New England PC	02201 Medical Private Practice - no WD Required
7B-131-01	Rhode Island P.E.T. Services LLC	02220 Mobile Nuclear Medicine Service
7B-038-03	North Main Radiation Oncology	02230 High-Med-Pulsed Dose Afterloader
7D-045-02	Women & Infants Hospital of Rhode Island	02110 Medical Institution Broad
7D-051-01	Rhode Island Hospital	02110 Medical Institution Broad
8A-009-01	RI Emergency Management Agency	03710 Civil Defense
8A-009-02	RI Emergency Management Agency	03710 Civil Defense