



Staffing and Training NRC Guidance for Agreement States

Our Goal: Sufficient staff who meet the established qualification requirements





Guidance Documents

- **NRC Manual Chapter 1246: Formal Qualification Programs in the Nuclear Material Safety and Safeguards (NMSS) Program Area**
 - This document defines initial qualification and training requirements, as well as additional training for experienced personnel in specialty areas.
 - App B of this document is the Training and Qualification Journal





Guidance Documents (cont.)

- NRC SA-103: Reviewing the Common Performance Indicator, Technical Staffing and Training
 - This document outlines the procedure for conducting reviews of Agreement State (and NRC regional) NMSS programs - particularly technical staffing and training.
 - Provides FAQs and sample training qualification form.





Staffing

- Prior to the NRC's implementation of the Integrated Materials Performance Evaluation Program (IMPEP), the NRC used prescriptive indicators for staffing levels. Namely, 1.0 to 1.5 technical Full-Time Equivalent (FTE) staff per 100 licenses
- Currently, the NRC does not recommend a specific staffing formula





Staffing (cont.)

- To determine the number of FTE positions required for a fully staffed Radioactive Materials program, the Department used time estimates from the NRC, other agreement states, and our own internal time studies. This was done taking into account types of licenses, licensing actions and related activities.





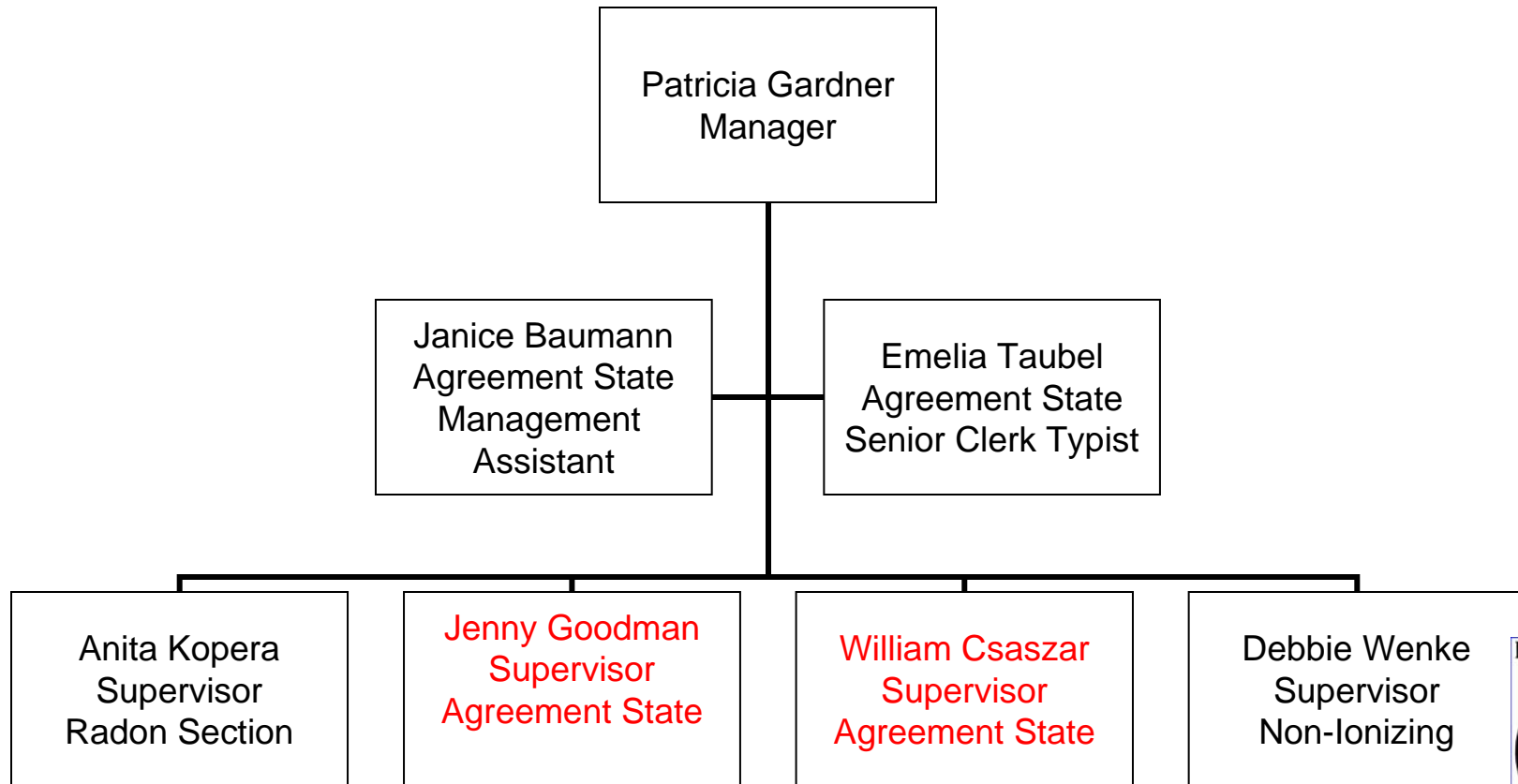
Staffing (cont.)

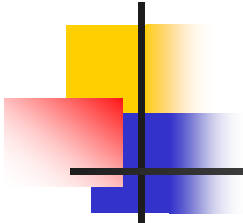
- The following slides will illustrate the current staffing and organization of the Bureau of Environmental Radiation for our anticipated Agreement State status.



Bureau of Environmental Radiation

Organizational Charts





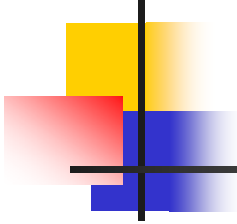
Diffuse NARM,
Decommissioning &
General Licensing
Jenny Goodman

Ed Truskowski
(50%)

Nancy Stanley
(50%)

Karen Flanigan
(100%)





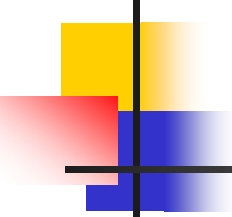
Medical, Industrial & Reciprocity
William Csaszar

Jodie Murl
Agreement State
Tech MIS

Rich Peros
Agreement State
Medical

Cathy Biel
Agreement State
Non-Medical
Industrial





Medical
Rich Peros

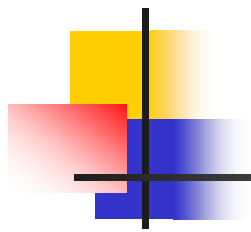
James McCullough

Jack Tway

Nancy Stanley
(50%)

Ed Truskowski
(50%)





Non-Medical
Industrial
Cathy Biel

Adria Wentzel

Dennis Zannoni





Training

Our Agreement State Training Program focused on the following areas to reach our goal of **sufficient staff who meet the established qualification requirements: On-the-Job Training (OTJ) and Formal Classroom Training**





Training (cont.)

- **Inspecting - OTJ**
 - Accompany senior inspection staff on variety of inspections
 - Accompany NRC inspectors on inspections
 - Read and begin preliminary implementation of NRC Inspection Procedures, NUREG-guidance, etc.
 - Progress from observing and participating, to leading inspections
 - Keep records of above in Qualification Journal





Training (cont.)

- **Licensing - OTJ**

- Train with senior staff on variety of licensing actions
- Read and begin preliminary implementation of NUREG-guidance, etc.
- Progress from observing and participating, to completing licensing actions independently
- Keep records of above in Qualification Journal





Training (cont.)

- **In-Services provided by the Regulated Community – OTJ**
 - Gamma Knife
 - Commercial Pool Irradiator
 - Nuclear Pharmacy
 - Portable Gauges





Training (cont.)

Licensing and inspection OTJ activities by all staff members are subject to review, guidance and approval by supervisory staff. Meetings are held to discuss unusual occurrences and routine activities.





Training (cont.)

- Formal Classroom Training
 - The NRC Federal and State Materials and Environmental Management Program has been providing their Technical Training Program to the AS staff in the form of (mostly) 5-day courses held in various locations throughout the country (and one in Canada)
 - New Jersey has been attending these course since 2007





Training (cont.)

- Formal Classroom Training
 - **Basic Training:**
 - Five-Week Health Physics Course or equivalent
 - Inspection Procedures Course
 - Licensing Practices and Procedures
 - Transportation of Radioactive Materials





Training (cont.)

- Formal Classroom Training
 - **Specialized Training (Industrial/Non-Med):**
 - Safety Aspects of Industrial Radiography
 - Irradiator Technology
 - Safety Aspects of Well Logging
 - Inspecting for Performance
 - Root Cause/Incident Investigation Training





Training (cont.)

- Formal Classroom Training
 - **Specialized Training (Medical):**
 - Diagnostic and Therapeutic Nuclear Medicine
 - Brachytherapy and Gamma Knife
 - Materials Control & Security Systems & Principles
 - Inspecting for Performance
 - Root Cause/Incident Investigation Training





Training (cont.)

- Formal Classroom Training
 - **Advanced Training:**
 - Management of Allegations
 - Radiological Surveys in Support of Decommissioning
 - Internal Dosimetry and Whole Body Counting
 - Environmental Monitoring for Radioactivity
 - Air Sampling for Radioactivity
 - Multi-Agency Radiation Survey and Sites Investigation Manual (MARSSIM)





Training (cont.)

**Inspection Staff has attended:
88 training classes**

For a total of:

3100 hours of training





Staffing and Training

- Our Goal: **Sufficient staff who meet the established qualification requirements**

HAS BEEN MET

We have received no comments from the NRC on our Staffing and Training program.





Questions

Patricia Gardner, Manager
Bureau of Environmental Radiation
(609) 984-5400
patricia.gardner@dep.state.nj.us

