

**CLASSIFICATION:** HEALTH PHYSICIST I

**Class Code:** 7495-20

**Date Established:** 03-26-92

**Occupational Code:** 7-6-4

**Date of Last Revision:** 7-17-15

**Exempt Status:** Non-Exempt

**BASIC PURPOSE:** To assist in evaluating, inspecting, registering and reviewing license applications for radiation generating equipment or radioactive materials.

**CHARACTERISTIC DUTIES AND RESPONSIBILITIES:**

- Performs license applications reviews.
- Performs Radiation-generating equipment inspections.
- Performs measurements of radiation levels including collecting samples for analysis interpreting results and writing reports.
- Participates in incident/accident response involving radioactive material or radiation generating equipment.
- Evaluates Radiation problems in the medical academic, industrial or environmental use of radiation sources, including recommending appropriate action.
- Capable of using varied radiological equipment.
- Confers knowledgably with other State Radiation program staff, federal agencies or public regarding radiation matters.

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**DISTINGUISHING FACTORS:**

**Skill:** Requires skill in developing formats and procedures for special applications OR in investigating and reviewing the use of equipment and data for a specialized function.

**Knowledge:** Requires logical or scientific understanding to analyze problems of a specialized or professional nature in a particular field.

**Impact:** Requires responsibility for achieving direct service objectives by assessing agency service needs and making preliminary recommendations for the development of alternative short-term program policies or procedures. Errors at this level result in incomplete assessments or misleading recommendations causing a disruption of agency programs or policies.

**Supervision:** Requires no supervision of employees or functions.

**Working Conditions:** Requires performing regular job functions in an environment which includes exposure to continuous physical elements or a number of disagreeable working conditions with frequent exposure to minor injuries or health hazards.

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**Physical Demands:** Requires medium work, including continuous strenuous activities such as frequent reaching, bending, or lifting as well as performing work activities which require fine manual dexterity or coordination in operating machines or equipment.

### **Communication:**

**Complexity:** Requires coordinating a combination of diverse job functions in order to integrate professional and technical agency goals. This level also requires considerable judgment to implement a sequence of operations or actions.

**Independent Action:** Requires objective assessment in analyzing and developing new work methods and procedures subject to periodic review and in making decisions according to established technical, professional or administrative standards.

### **MINIMUM QUALIFICATIONS:**

**Education:** Bachelor's degree from a recognized college or university with major study in radiological health, radiological science, health physics, industrial hygiene, chemistry, physics, engineering or biological science. Each additional year of approved formal education may be substituted for one year of required work experience.

**Experience:** Four years' experience in a program associated with the regulation and control of radiation sources in a public or private facility, or related experience in a field such as radiological health, radiological science or health physics. Certification by the American Board of Health Physics, may be substituted for two years of required work experience.

**License/Certification:** Must be eligible to hold a New Hampshire driver's license and have access to transportation for use in statewide travel.

### **SPECIAL REQUIREMENTS:**

1. Satisfactory completion or the willingness to complete a five-week government-sponsored course in health physics or other specialized training programs as required by federal agencies.
2. Must be at least 18 years old.
3. Must be willing to travel for extended periods of time.

**RECOMMENDED WORK TRAITS:** Considerable knowledge of the principles of engineering, chemistry or physics. Knowledge of the medical use of radioisotopes, use of radioactive material in industrial radiography and radiological accident assessment. Knowledge of basic health physics and radiation protection principles. Skill in applying proper and corrective actions to specific problems. Skill in operating sophisticated laboratory equipment including a computer-based gamma spectroscope. Ability to calculate solutions to mathematical problems using basic trigonometric and logarithmic functions. Ability to communicate effectively both orally and in writing. Ability to prepare technical investigative reports. Ability to carry equipment to and from field locations. Ability to establish and maintain effective working relationships with employees and the public. Must be willing to maintain appearance appropriate to assigned duties and responsibilities as determined by the agency appointing authority.

**DISCLAIMER STATEMENT:** This class specification is descriptive of general duties and is not intended to list every specific function of this class title.