

### Class Concept

This is professional, technical, and analytical work in the safe use, management and control of electronic devices which produce x-rays that are sold, transferred, disposed of, disassembled, repaired, installed and/or serviced. Electronic products use includes medical, industrial, veterinary and research both diagnostic and therapy with energies less than one MeV. This class also has responsibility over mammography inspections which falls under a Food and Drug Administration Contract.

The Health Physicist I is distinguished from the Health Physicist II by being subject to fewer risks associated with electronic devices that can be disconnected from energy sources removing all risk; registration of facilities rather than licensing; fewer training, education and experience requirements; and relatively no 24/7 on-call availability expectations.

### Recruitment Standards

#### Knowledge, Skills, and Abilities

- Working knowledge of the scientific principles and the biological effects of radiation exposure from industrial and medical uses and from environmental release or contamination.
- Working knowledge of air and other environmental sampling techniques, radiation shielding design concepts, and the use of radiation detection instrumentation.
- Working knowledge of and the ability to apply, the laws, rules, regulations and policies that govern or influence radiation protection.
- Working knowledge of research processes and data gathering techniques and the ability to evaluate, process and present data.
- Experience in research processes and data gathering techniques and the ability to evaluate, process and present data.
- Ability to express results of investigations and make recommendations tactfully, firmly, clearly and concisely in oral and written form.
- Ability to develop and maintain effective relationships with co-workers, regulated community, general public, state and federal agencies.
- Ability to make public presentations.
- Ability to work in environments where ionizing radiation is present.
- Ability to work in frequently stressful environment with multiple assignments, priority deadlines and in occasional emergency response conditions.
- Ability to use computers, including common software and analytical programs.

#### Minimum Education and Experience

Bachelor's degree in nuclear science, physical, or environmental science; health/ medical physics, or radiologic science from an appropriately accredited institution; or an equivalent combination of education and experience.

#### Necessary Special Requirement

Valid North Carolina Driver's License