

## RADIOLOGICAL SPECIALIST

### DISTINGUISHING FEATURES OF THE CLASS:

This is professional public health work involving responsibility for and supervision of the radiological health program in Dutchess County. The incumbent supervises, directs and develops Radiation Emergency Response Systems and personnel within Dutchess County as the representative of the NYSDOH/DCDOH; this may include assistance to the Office of Disaster Preparedness and Civil Defense (DCODP/CD) as Radiological Chief. This position differs from that of Public Health Sanitarian by virtue of its specialization in the field of radiological health. The work is performed under the general direction of the Commissioner. General supervision is exercised over a Public Health Sanitarian or Senior Public Health Sanitarian who functions as an assistant and back-up to this position. Direct supervision is exercised over clerical employees and Civil Defense personnel when assigned.

### TYPICAL WORK ACTIVITIES:

Typical work activities for incumbents in this title include those listed below in addition to those typical work activities performed by lower level titles in the series. They are indicative of the level and types of activities performed by incumbents in this title. It is not meant to be all inclusive and does not preclude a supervisor from assigning activities not listed which could reasonably be expected to be performed by an employee in this title.

1. Supervises New York State certified staff performing detailed examinations of all radiographic equipment using specialized x-ray measuring equipment;
2. Evaluates all facilities in Dutchess County using ionizing radiation for compliance with the New York State Sanitary Code;
3. Writes and maintains the Radiological Emergency Response Plan;
4. Develops and supervises the Dutchess County Health Department's hazardous material, environmental health assessment, indoor air quality and environmental lead investigation programs;
5. Supervises and responds to public inquiries on technical issues such as radon and pesticide and asbestos matters;
6. Responds to nuclear material spills and other radiological emergencies;
7. Monitors inspection practices to insure the certification of the County's radiological health program by the New York State Bureau of Environmental Radiation Protection;
8. Examines and evaluates the radiation safety and protective aspects of the use of radiation equipment both to the public and to the practitioner at each facility;
9. Advises the practitioners and personnel of radiological facilities of the optimum safety techniques to be employed during the use of ionizing radiation;
10. Re-inspects radiographic facilities needing correction to determine that violations have been corrected on a timely basis;
11. Prepares quarterly and annual reports concerning the activities of the program as well as statistics and goals;
12. Writes letters and reports advising both the New York State Bureau of Radiological Health and the local facility directors of inspection findings and of violations needing correction;
13. May occasionally train emergency personnel in radiological and other emergency practices, procedures, protocols and safety precautions;
14. Provides technical advice and assistance on other health-related technical issues (i.e. Bioterrorism, West Nile Virus, etc.).

## **RADIOLOGICAL SPECIALIST** (Cont'd)

### **FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES:**

Thorough knowledge of laws pertaining to radiological health in order to administer and enforce radiological program;

Good knowledge of the principles, practices and techniques of planning responses to nuclear and radiological emergencies in order to plan and carry out emergency plans;

Good knowledge of environmental health practices necessary in order to administer radiological plans;

Good knowledge of the New York State Public Health Law and the Dutchess County Sanitary Code in order to interpret and enforce regulations;

Good knowledge of the laws pertaining to residential lead investigations, the inspection of solid waste facilities, water supply and sewage disposal systems, food service establishments, housing and other regulated facilities in order to participate in and administer programs;

Ability to explain legal provisions and environmental health practices to facility operators and the public in order to deal with concerns and complaints regarding departmental findings;

Ability to supervise the work of others;

Ability to establish effective working relationships with a wide variety of people;

Ability to train others in environmental health work;

Skill in making inspections;

Personal characteristics necessary to perform the duties of the position;

Physical conditions commensurate with the demands of the position.

### **MINIMUM QUALIFICATIONS:**

Graduation from a regionally accredited or New York State registered college or university with a Bachelor's degree which included or is supplemented by thirty (30) credit hours in the physical or biological sciences and:

- EITHER:       (A)     Four years of paid work experience as a Public Health Sanitarian or Radiological Specialist:
- OR:            (B)     Two years of experience in a supervisory Public Health Sanitarian position;
- OR:            (C)     Possession of a New York State Professional Engineer's license.

### **SPECIAL REQUIREMENT:**

Must be certified by the New York State Department of Health, Bureau of Environmental Radiation Protection as a Radiological Health Inspector before appointment to this position can be made.

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ADOPTED:    08/31/81

REVISED:    04/18/84

01/08/88

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