Radiation Protection Specialist

Class Code: 7988
Date Established: 07-14-64
Date Revised: 09-13-05

OVERVIEW:
Under general direction, the Radiation Protection Specialist conducts investigations and surveys the use of radiological equipment on a campus; provides advice on safe practices in radiation, determines compliance with rules and regulations governing radiation use, and performs related work as required.

TYPICAL ACTIVITIES:
Incumbents in this classification inspect radiation producing equipment, radioactive sources, and any related radiological equipment and facilities; observe the procedures used by the operators of x-ray equipment and recommend improvements; inspect radiographic darkrooms and film processing equipment; determine the adequacy of radiation shielding; interview personnel regarding their compliance with safe and proper practice in the use of ionizing radiation; evaluate radiation exposure of operating personnel and others; provide detailed information on the laws and regulations regarding standards for protection against radiation; demonstrate the use of properly designed collimators, filters, and auxiliary equipment and devices; provide information on special precautions to be observed with minors and all those who have not passed the reproductive age; interpret information from radiation measuring instruments; advise users of radioactive materials on the laws and regulations regarding licensing; instruct radioisotope users on safe methods of storage, handling, and disposal of sealed and unsealed sources of ionizing radiation; maintain records on all users of radiological equipment; and prepare and coordinate reports on all investigations with university officials.

MINIMUM QUALIFICATIONS:

Knowledge and Abilities:
General knowledge of the rules and regulations governing radiation use; principles of radiological health including methods of measurement, effects of ionizing radiation, and laboratory use of radioisotopes. Working knowledge of radiation measuring instruments, physics and chemistry.

Ability to demonstrate the proper use of radiological equipment; interpret radiological rules and regulations; establish and maintain cooperative working relationships with individuals and groups; analyze situations accurately and take effective action; and speak and write clearly and concisely.

Experience:
Equivalent to one year of experience as a licensed radiologic technologist. A master's degree in a field related to environmental or occupational health may be substituted for the experience.

Education:
Equivalent to graduation from a four-year college or university in the physical or life sciences or in engineering. Additional qualifying experience may be substituted for a maximum of two years of the required education on a year-for-year basis.