

RADIATION SAFETY SPECIALIST

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent assists the radiation safety officer and directs, monitors and implements the Radiation Safety Program to ensure compliance with specific provisions of the Radioactive Materials Licenses and applicable radiation safety requirements of the department and other regulatory agencies. Responsibilities include maintaining an adequate inventory of properly calibrated technical radiation measurement instrumentation, managing radioactive waste storage and disposal activities, monitoring of personnel radiation exposure, radiation safety support for radioisotope therapies, and response to incidents. Other responsibilities include auditing of facilities using radioactive materials, providing radiation safety in-service training, and participation in emergency response plans. Supervision may be exercised over support staff. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Performs radiological measurements in the field (radiation surveys and contamination wipe tests) utilizing sophisticated radiation detection and measurement equipment (gieger meters, scintillation counters and ionization chambers);

Ensures the calibration and operational readiness of radiation detection and measurement equipment;

Conducts investigations of radioactive materials incidents and responses to emergencies;

Compiles, evaluates and interprets the results of tests and measurements;

Maintains the personnel radiation monitoring program to be in compliance with ALARA principles;

Researches, analyzes and evaluates the applicability of new techniques, procedures, equipment and instrumentation;

Supervises and instructs new users of radioactive materials during radiation safety programs and provides annual in-service training as needed;

Prepares quarterly audits and reports on the status of compliance with all licensing and regulatory standards relating to radioactive materials;

Prepares written reports and recommendations for corrective action;

Provides direct support to radiopharmaceutical therapies including room preparation, notification to other support personnel, patient and personnel radiation monitoring, radiation safety instruction to support staff, decontamination of facility and patient;

Prepares radioactive waste for proper maintenance, decay and storage and maintains the radioactive waste storage program to be in compliance with current regulations, and oversees the program for radioactive waste disposal;

EXAMPLES OF WORK: (Cont'd)

Provides support to carry out the directives of the Radiation Safety Committee;

Compiles information as requested for diagnostic support;

Conducts patient interviews to enable patients to receive tailored instructions based on their home/work situation;

Accesses protected health information (PHI) in accordance with departmental assignments and guidelines defining levels of access (i.e. incidental vs. extensive);

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of radioactive materials detection instruments, measurement techniques and radiation safety principles; good knowledge of scientific principles and practices including radiological terminology; good knowledge of the biological effects of ionizing radiation; good knowledge of current regulations governing radioactive materials; skill in the use, operation and care of instrumentation and technical equipment; ability to clearly and concisely express ideas orally and in writing; ability to compile and present instructions; ability to understand and interpret complex written regulations and technical reports; ability to effectively use computer applications such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments; initiative; resourcefulness; accuracy; thoroughness; dependability; tact; sound professional judgment; integrity; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A Bachelor's Degree* in physics, chemistry, biology, or a related field and five years of experience where the primary function of the positions was in the oversight of radioactive materials in a radiation safety program or in the use of radioactive materials.

SUBSTITUTION: A Master's Degree in public health, biology, physics or a related field may be substituted for one year of the above stated experience.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.

*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

West. Co.
J.C.: Competitive
MVV3

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Job Group: XV

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