

C - XI
SCIENTIST (RADIATION CONTROL)
OCCUPATIONAL GROUP [246]

CODE NO. 21516

SCIENTIST (RADIATION CONTROL)

General Statement of Duties and Responsibilities

This class of positions encompasses professional and/or supervisory work of various levels of responsibility and complexity involving radiation control and radiation equipment inspections. Performs radiation safety work to enforce standards and regulations set in the New York City Health Code and other applicable laws and regulations. Utilizes computers and may operate a motor vehicle to travel between sites. There are three Assignment Levels within this class of positions. All personnel perform related work.

Assignment Level I

Under supervision, performs scientific work with respect to measurements associated with radiation hygiene and safety and inspections of radiation equipment and reviews applications for radiation equipment licenses and certificates.

Examples of Typical Tasks

Schedules and conducts site inspections of radioactive materials and radiation equipment used in hospitals, clinics, medical and dental offices, and other facilities. Visually inspects, reviews records and related documents, and collects independent measurements and samples at sites. Performs required tests on radiation installations.

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SCIENTIST (RADIATION CONTROL) (continued)

Assignment Level I (continued)

Examples of Typical Tasks (continued)

Performs on-site tests of radioactive materials and equipment, such as shielding measurements, leak testing, and contamination checks. Uses equipment and instruments appropriate to the job, such as the dosimeter, time-pulse counter, beam diameter gauge, ionization chamber instrument, Geiger-Muller counter, scintillation detector, neutron detector, alpha particle detector, and other appropriate radiation detection equipment as necessary.

Takes appropriate action in case of imminent danger. Seals, embargoes or condemns radioactive equipment; orders repairs or clean-up activities for spills and leaking radioactive sources; conducts further inspections; or issues summonses for violations, where appropriate. Participates in tribunal hearings.

Prepares required narrative and standard form reports on results of inspections for City, State, and Federal agencies. While out of the office, telephones the office to communicate findings and to confirm location as required.

Reviews and verifies information on licenses and registration certificates.

Participates in special projects and in emergency preparedness activities. Responds to radiation emergencies, as required.

Prepares statistical and other required reports and letters, as necessary.

May be required to attend in-service training sessions for extended periods of time at out-of-state locations.

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Assignment Level II

Under general supervision, in addition to performing the work of Assignment Level I, performs responsible scientific work with respect to radiation measurements, equipment inspections and/or license inspections associated with radiation hygiene and safety.

Examples of Typical Tasks

Reviews and/or writes inspection papers, reports and letters to registrants and licensees.

Makes field visits to certain facilities in preparation for inspection or licensing.

Provides information and takes complaints concerning violations of radiation safety regulations and radiation equipment permitting requirements of the New York City Health Code.

Prepares radioactive materials licenses for peer and supervisory review.

Conducts meetings with and trains staff.

May supervise Scientists (Radiation Control) AL I inspectors to monitor quality of inspection performance.

May prepare performance evaluations of Scientists (Radiation Control) AL I.

May perform administrative duties.

In the temporary absence of the supervisor, may perform the duties of the supervisor.

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Assignment Level III

Under general direction, with latitude for independent judgment and initiative, plans, develops, directs, and supervises the technological and administrative activities of a radiation control unit; provides scientific expertise regarding complex and varied radiation control issues; plans and conducts technical training in radiation measurement, inspection, licensing and control for agency staff and others; may perform the duties of lower assignment levels.

Examples of Typical Tasks

Administers a radiation control program and supervises the staff of the program.

Directs schedules and supervises staff in the conduct of inspections or surveys to enforce compliance with radiation regulations.

Plans and conducts training of radiation control staff and others.

Acts as a technical liaison to other governmental agencies (City, State, and Federal) regarding radiation control regulations and programs.

Consults with other units concerning the inspection and evaluation of radiation instrumentation and the setting of suitable radiation exposure standards used to assess and measure radiation levels.

Determines the enforcement actions appropriate to violations.

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SCIENTIST (RADIATION CONTROL) (continued)

Assignment Level III (continued)

Examples of Typical Tasks (continued)

Directs and supervises the radioactive materials and equipment licensing process.

Prepares reports and papers on results of activities.

Prepares monthly and quarterly statistical reports for management.

Qualification Requirements

1. A master' degree in radiological health or a related field; or
2. A baccalaureate degree from an accredited college, including or supplemented by 24 semester credits in physics, chemistry, biology, engineering, or a related field, plus one year of satisfactory full-time professional experience in the field of health physics, radiological health, or radiation hygiene.

Additional Qualification Requirements:

For Assignment Level II

To be eligible for placement in assignment Level II, individuals must have, after meeting the minimum requirements described above, at least one year of satisfactory service as a Scientist (Radiation Control) AL I with the City of New York, or at least one additional year of satisfactory full-time professional experience in the field of health physics, radiological health, or radiation hygiene.

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Additional Qualification Requirements (continued)

For Assignment Level III

To be eligible for placement in Assignment Level III, individuals must have, after meeting the minimum requirements described in Assignment Level I, at least two years of satisfactory service as a Scientist (Radiation Control) AL I and AL II with the City of New York, or at least two additional years of satisfactory full-time professional experience in the field of health physics, radiological health, or radiation hygiene.

License Requirement For Certain Positions

For assignment to certain positions, the candidate must possess at the time of appointment or assignment a Motor Vehicle Driver License valid in the State of New York. This license must be maintained for the duration of assignment.

Certificate Requirement For Certain Positions

For assignment to positions requiring performance of certain duties, the candidate must possess at the time of appointment or assignment the valid certificate of qualification that is required by the New York State Department of Health to perform such duties. This certificate must be maintained for the duration of employment in that assignment.

Direct Lines of Promotion

From: None

To: None