

CLASSIFICATION: WASTE MANAGEMENT ENGINEER I

Class Code: 9792-24

Date Established: 07-01-81

Occupational Code: 7-5-9

Date of Last Revision: 7-17-15

Exempt Status: Non-Exempt

BASIC PURPOSE: To supervise and monitor programs and projects involving asbestos and solid waste, including hydrogeological studies for the design and operation of solid waste facilities.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES:

- Reviews plans and engineering studies relating to construction of various types of solid and hazardous waste treatment and disposal facilities such as sludge treatment, incinerators, and recycling plants.
- Researches scientific journals, attends technical courses and maintains professional knowledge of emerging technologies to ensure proper review of the design, operation, and closure of plans of solid waste facilities.
- Designs, contracts for, and monitors asbestos remediation projects in order to mitigate public health threats.
- Develops and enforces regulations on the handling, transportation, and disposal of asbestos wastes to protect the public from health risks.
- Inspects, evaluates, verifies, and documents new and previously unrecorded asbestos wastes sites to identify public health risks.

DISTINGUISHING FACTORS:

Skill: Requires skill in analyzing and interpreting data, policy, and procedures OR in using equipment in order to arrive at logical conclusions or recommendations.

Knowledge: Requires logical or scientific understanding to analyze problems of a specialized or professional nature in a particular field.

Impact: Requires responsibility for achieving direct service objectives by assessing agency service needs and making preliminary recommendations for the development of alternative short-term program policies or procedures. Errors at this level result in incomplete assessments or misleading recommendations causing a disruption of agency programs or policies.

Supervision: Requires direct supervision of other employees doing related or similar work, including scheduling work, recommending leave, reviewing work for accuracy, performance appraisal, or interviewing applicants for position vacancies.

Working Conditions: Requires performing regular job functions in an environment which includes exposure to continuous physical elements or a number of disagreeable working conditions with frequent exposure to minor injuries or health hazards.

Physical Demands: Requires medium work, including continuous strenuous activities such as frequent reaching, bending, or lifting as well as performing work activities which require fine manual dexterity or coordination in operating machines or equipment.

Communication: Requires summarizing data, preparing reports, and making recommendations based on findings which contribute to solving problems and achieving work objectives. This level also requires presenting information for use by administrative-level managers in making decisions.

Complexity: Requires evaluating a combination of wide-ranging job functions to determine work procedures, to solve problems, and to reach conclusions by applying analytical, technical, or scientific thinking. This level also requires planning policies and long-term strategies, drawing conclusions based on available criteria, and evaluating the effectiveness of program objectives.

Independent Action: Requires objective assessment in analyzing and developing new work methods and procedures subject to periodic review and in making decisions according to established technical, professional or administrative standards.

MINIMUM QUALIFICATIONS:

Education: Bachelor's degree from a recognized college or university with major study in chemical, civil, environmental, sanitary or mechanical engineering. Each additional year of approved formal education may be substituted for one year of required work experience.

Experience: Three years' experience required in hazardous waste or solid waste management, or an allied environmental engineering or scientific field.

License/Certification: New Hampshire driver's license.

SPECIAL REQUIREMENTS:

1. Initial employment requires the ability to pass cardio-pulmonary function test and physical exam consistent with the National Institute of Occupational Safety and Health recommendations for employees who wear respirators.

RECOMMENDED WORK TRAITS: Working knowledge of environmental laws and regulations. Some knowledge of the methods and techniques of construction, maintenance and operation of solid and hazardous waste treatment and disposal facilities. Skill in reading and interpreting scientific and technical reports and test results. Ability to communicate technical and scientific information effectively to professional and lay persons. Ability to testify in court. Ability to speak before groups. Ability to read blueprints. Ability to work closely with local officials, contractors and land owners. Must be willing to maintain appearance appropriate to assigned duties and responsibilities as determined by the agency appointing authority.

DISCLAIMER STATEMENT: This class specification is descriptive of general duties and is not intended to list every specific function of this class title.