

CLASSIFICATION: WASTE MANAGEMENT ENGINEER II

Class Code: 9793-26

Date Established: 07-24-80

Occupational Code: 7-5-9

Date of Last Revision: 7-17-15

Exempt Status: Non-Exempt

BASIC PURPOSE: To review, evaluate, and design engineering plans and studies for waste management facilities to ensure such facilities are constructed and operated in accordance with environmental laws and regulations.

CHARACTERISTIC DUTIES AND RESPONSIBILITIES:

- Reviews plans and studies relative to waste treatment and disposal facility construction, hazardous chemical cleanup and other illegal disposal practices.
- Supervises engineers and environmentalists in assigning inspections of waste disposal facilities.
- Supervises waste management facility permit application projects through coordination with agency personnel, government officials, engineering consultants and the public.
- Plans, designs, and implements improvements to existing and proposed waste management facilities.
- Reads and interprets survey information, seismic readings, and chemical analyses.
- May testify as an expert witness in lawsuits brought by the state against individuals in industries in violation of environmental laws and regulations.

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 programs or of employees doing work which differs from the supervisor, including disciplining employees, solving personnel problems, recommending hiring and firing employees, and developing work methods. The supervisor in this position manages a working unit or section with responsibility for employee performance appraisal.

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 reviewing summaries and reports and making decisions to solve problems or to achieve work objectives as well as articulating and expressing those solutions and goals. This level also requires formal presentations of solutions and goals to employees and the general public to increase the responsiveness of the agency toward the demands of its client system.

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 independent judgment in planning and evaluating work procedures and in supervising the development of professional, technical and managerial standards under administrative direction and according to broad departmental guidelines.

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: Five 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.

RECOMMENDED WORK TRAITS: Thorough knowledge of environmental laws and regulations. Some knowledge of industrial processes and methods of waste disposal. 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 landowners. Ability to supervise professional and technical employees. 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.