

Jurisdiction: Oneida-Herkimer Solid  
Waste Management Authority  
Jurisdictional Class: Competitive  
Revised: 10/2/90

## **SOLID WASTE MANAGEMENT ENGINEER**

**DISTINGUISHING FEATURES OF THE CLASS:** This position involves the responsibility for assisting the higher level engineers in the performance of work involving research, planning, design, control and coordination of solid waste engineering projects. The work involves coordination of engineering projects and active interaction with various state and local agencies. Major technical and engineering policy decisions and problems are referred to a higher level engineer or the Executive Director. General supervision is received from the Director of Engineering. The incumbent does related work as required.

**TYPICAL WORK ACTIVITIES:** (Illustrative Only)

Assists in conducting and evaluating site specific Environmental Impact Statement work such as hydrogeological studies, air modeling, health and risk assessment;  
Provides direct construction and regulatory compliance oversight for various new solid waste management facility projects;  
Provides technical assistance to staff on items such as new air emission and monitoring equipment, equipment specifications, waste supply evaluation, and compliance to Worker Right to Know Law;  
Researches, prepares, reviews and revises plans, bid criteria, specifications, designs and reports for solid waste management engineering projects;  
Assists in preparation of technical specifications for bid and Requests for Proposals;  
Coordinates technical services and assists in final inspection of construction projects conducted by outside contractors;  
Reviews building alterations and construction for conformance with specifications;  
Confers with superiors and peers on a variety of engineering projects dealing with cost projection, workload, feasibility studies, etc.;  
Researches and prepares preliminary specifications for construction materials, equipment, and supplies;  
Conducts studies and surveys to prepare reports for future and long-range solid waste projects;  
Develops time schedules, materials, and personnel requirements for various solid waste projects;  
Prepares economic and cost analysis, feasibility studies, compliance reports, reliability analysis and other technical and engineering reports for various special projects as assigned.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL**

**CHARACTERISTICS:** Thorough knowledge of principles and practices of engineering and sources of engineering data; good knowledge of modern engineering methods and techniques as applied to solid waste management projects; skill in coordinating and applying technical research in preparing reports of studies; ability to organize, plan and layout working details of engineering projects for professional and technical subordinates; ability to prepare technical reports; ability to solve complex technical and engineering problems; physical condition commensurate with the demands of the position.

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**MINIMUM QUALIFICATIONS:** Either:

- (A) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in engineering; **OR**
- (B) Graduation from a regionally accredited or New York State registered two-year college or university with an Associate's Degree in engineering technology and two (2) years of experience involving assisting in engineering work; **OR**
- (C) Graduation from a regionally accredited or New York State registered two-year college or university with an Associate's Degree in mechanical technology, construction technology, and three (3) years of experience as outlined in (B) above; **OR**
- (D) An equivalent combination of training and experience as defined by the limits of (A), (B), and (C) above.