

## **SOLID AND HAZARDOUS WASTE FACILITY TECHNICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** This is technical work involving the development, coordination and implementation of public outreach programs related to recycling and waste prevention programs. The incumbent serves on the Solid Waste management team and is responsible for supervising the operational functions at the Broome County Hazardous Waste Facility. This position is also responsible for managing the automated operation and maintenance of the Broome County Leachate Treatment Plant which is equipped with chemical precipitation, aerobic sequencing batch reactors, an anaerobic batch reactor, a sludge filter press and pH adjustment. The work is performed under the general supervision of the Deputy Director of Solid Waste Engineering Services. Supervision is exercised over subordinate staff in the operations of both the Hazardous Waste Facility and the Leachate Treatment Plant. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

Schedules and/or supervises scheduling of appointments and verifies materials for facility users to dispose of hazardous waste;  
Supervises hazardous waste facility staff during collection and consolidation operations;  
Provides technical assistance to commercial generators of hazardous waste;  
Maintains inventories of hazardous materials on-site, user files, equipment inspection logs, staff training logs and facility records required by State and Federal regulatory agencies;  
Supervises the automated operation of the Leachate Treatment Plant by verifying and adjusting the settings of equipment as needed;  
Monitors and performs maintenance and repairs on Plant machinery and equipment;  
Performs lab analyses of leachate at various stages of treatment at the Plant lab and adjusts leachate processing as necessary to maintain optimal operating efficiency;  
Maintains lab and stocks testing equipment and materials as needed;  
Keeps a log of Plant operations which includes periodic meter and gauge readings, maintenance and repair records and other pertinent statistics;  
Maintains and updates MSDS records for all commercially generated materials;  
Develops and maintains databases on recycling markets, statistics on recycling and disposal of solid waste;  
Inspects materials coming into the Hazardous Waste Facility and classifies them for proper disposal;  
Prepares manifests for hazardous waste disposal shipments;  
Prepares quarterly and annual reports to State and Federal regulatory agencies;

Participates on the Hazardous Waste Facility Management Team to develop and maintain facility standard operating procedures, implement staff training programs and site/personal safety plans;

Serves as a liaison to local, State and Federal regulatory agencies involved in solid and hazardous waste management issues.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of local, State and Federal programs, as well as legislation, concerning solid and hazardous waste management and compliance;

Good knowledge of the operation and maintenance of a leachate treatment plant;

Good knowledge of the principles of chemistry, physics and bacteriology as they apply to leachate treatment and disposal;

Working knowledge of the principles and practices of wastewater treatment plant operations including the required testing processes and associated compliance issues;

Working knowledge of the principles and practices of solid waste management techniques, procedure and equipment;

Skill in the operation, maintenance and repair of Plant machinery and equipment such as pumps, motors, piping and valves;

Ability to perform routine lab tests and develop conclusions from the results;

Ability to communicate effectively with municipal, educational, business officials, private citizens, community groups and private contractors and consultants;

Ability to plan, develop and evaluate solid waste management strategies;

Ability to make presentations to elected and appointed officials, citizen groups and agencies;

Ability to operate a personal computer and adapt the associated software to the departments needs;

Ability to supervise the work of others;

Ability to compile statistics and related information for report preparation;

Physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

- A) Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in environmental studies, natural science, environmental or natural resource management, or closely related field including or supplemented by 8 credits in chemistry, and one year experience in environmental, solid or hazardous waste management, or a related field; OR

- B) Graduation from a regionally accredited or New York State Registered college or university with a Bachelors' Degree including or supplemented by 8 credits in chemistry, and two years of experience in environmental, solid or hazardous waste management, or related field; OR
- C) An equivalent combination of training and experience as indicated in (A) and (B) above.

SPECIAL REQUIREMENTS DURING THE PROBATIONARY PERIOD:

- 1) OSHA 40 hour HAZWOPER Certification;
- 2) Certified for respirator use in accordance with Department of Occupational Safety and Health (DOSH) 1910.134