

**GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT  
LANDFILL GAS SYSTEM TECHNICIAN**

**DEFINITION**

Skilled manual and technical work in the oversight and maintenance of landfill gas collection and leachate systems and performs preventive maintenance procedures; all other related work, as required.

**ESSENTIAL FUNCTIONS**

*The essential functions or duties listed below are intended only as illustrations of the various type of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.*

- Works with Operations Manager and Lead Mechanic in fabrication, installation, maintenance, and repairs of the landfill gas collection system.
- Assists Lead Mechanic in maintaining the landfill gas collection system. Monitors, diagnoses, and adjusts landfill gas collection wells to achieve desired gas composition, control odors, prevent underground fires, and to achieve desired levels for the power plant operated by a vendor on the landfill property.
- Assists in the maintenance of the leachate collection system. Work includes repairs, diagnostics, daily monitoring, and fabrication and installation of the collection system.
- Performs a variety of maintenance work on leachate pumps and gas well pumps, such as cleaning, testing, and other similar activities.
- Perform environmental site monitoring for statistical data dated for reports filed with regulatory agencies.
- Operates a variety of motor vehicles and equipment including trucks with a rated capacity of more than 26,000 lbs. gross vehicle weight, including landfill compactors, dozers, dump trucks, front end loaders, and water trucks in accordance with prescribed landfill operating procedures.
- Maintains District property, including side slope mowing and routine maintenance and repairs to garage and office buildings.
- May operate weigh scale in absence of the employee routinely assigned to this task.
- Performs other work as required.

**SUPERVISION RECEIVED**

Under general supervision by the Operations Manager and Lead Mechanic, the employee is familiar with the work routine and uses initiative in carrying out recurring assignments independently. The supervisor provides additional, specific instruction for new, difficult or unusual assignments. The employee refers unusual situations to the supervisor for advice and further instructions.

**JUDGEMENT AND COMPLEXITY**

The work consists of a variety of duties which follow standardized practices, procedures,

regulations, or guidelines. The sequence of work and/or the procedures followed vary according to the nature of the transaction and/or the information involved, or sought, in a particular situation. Judgment is needed to locate, select, and apply the most pertinent practice, procedure, regulation, or guideline.

### **NATURE AND PURPOSE OF CONTACTS**

Relationships are primarily with co-workers, vendors and the public involving frequent explanation, discussion or interpretation of practices, procedures, regulations or guidelines in order to render service, plan or coordinate work efforts, or resolve operating problems. Other regular contacts are with service recipients and employees of outside organizations. More than ordinary courtesy, tact and diplomacy may be required to resolve complaints or deal with hostile, uncooperative or uninformed persons.

### **EDUCATION AND EXPERIENCE**

High school diploma; Technical High School preferred; one to two years of related work experience preferred; or an equivalent combination of education and experience. Experience with landfill gas and leachate collection systems strongly desirable.

### **SPECIAL REQUIREMENTS**

Valid Driver's License

Massachusetts Class 2A, Hoisting Engineer's License within one year of hire

Massachusetts Class 1C and 4G within year of hire

OSHA 10 and Hazwoper Certifications within one year of hire

### **KNOWLEDGE, ABILITY, AND SKILLS**

Knowledge: Knowledge of landfill gas and landfill leachate collection systems. Knowledge of solid waste management. Basic knowledge of hand tools, power tools and maintenance equipment. Knowledge of proper safety precautions to be used to prevent injuries. Familiarity with basic public works, maintenance work and groundskeeping practices.

Abilities: Ability to understand and follow instructions. Ability to learn and understand the complexities of landfill gas and leachate collection systems. Ability to perform occasionally strenuous physical labor and work effectively over long shifts and during varied situations. Ability to read, interpret and apply data, drawings and instructions for assigned work. Ability to work independently and cooperatively as a crew member. Ability to operate light, heavy, and special motor equipment.

Skills: Good written and verbal communication skills. Mechanical and driving skills. Skill in operating and maintaining specialized construction and motor equipment.

### **WORK ENVIRONMENT**

Work involves construction of methane gas infrastructure and hazards associated with methane gas. The nature of duties may involve continuous presence of unpleasant or irritating elements, such as considerable noise, odors, chemical fumes, dust, smoke, heat, cold, oil, dirt or grease. Work may be continually performed outdoors, regardless of weather conditions. May be required to be on call for 24 hours or being under prolonged pressure during emergency situations.

## **PHYSICAL, MOTOR, AND VISUAL SKILLS**

### **Physical Skills**

Work requires moderate to strenuous frequent physical strength and effort daily, such as, lifting heavy objects, carrying the object(s) and stacking them or placing them in a vehicle or storage area. In addition, pulling, pushing, standing or walking for the full work day may also be involved.

### **Motor Skills**

Duties involve assignments requiring application of hand and eye coordination with finger dexterity and motor coordination.

### **Visual Skills**

Visual demands require routinely reading documents for general understanding and analytical purposes.