

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT
MECHANIC/ LANDFILL GAS TECHNICIAN

DEFINITION

Skilled manual and technical work in the maintenance and repair of a variety of light and heavy equipment and in the oversight and maintenance of landfill gas collection and leachate systems; inspects equipment for proper operating condition 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.
- Communicates often with the vendors of the power plant regarding the state and repair of the landfill gas collection system.
- Assists in the maintenance of the leachate collection system. Work includes repairs, diagnostics, daily monitoring, and fabrication and installation of the collection system.
- Performs complex repair and maintenance work to ensure availability of vehicles and equipment; inspects equipment prior to operation to ensure that all controls and safety devices are functioning properly.
- Performs a variety of preventive maintenance work, such as lubrication and replacing oil filters and other similar activities.
- Maintains electronic and paper records of repair orders to equipment and vehicles.
- Performs auto body work and related welding and metal working functions; replaces motors, clutches, transmissions, rear ends, etc.; performs mechanical repairs to all heavy equipment.
- Performs welding and prefabricate parts, as needed, for dump trucks, loaders, tractors, compactor, sweeper, excavators, front end loaders, snow plows, and other equipment.
- Repairs and maintains small equipment such as mowers, chain saws, trimmers, and snow blowers.
- Performs routine maintenance and repairs to garage and office buildings.
- Stocks replacement parts for essentials items used in daily maintenance of equipment.
- 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. Operating vehicles and equipment on the outer slopes of the landfill is required.

- Performs other related duties, 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; and one year work experience in an automotive repair shop; or an equivalent combination of education and experience. Experience repairing both gasoline and diesel engines, and experience with gas and electric welding are 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 40 Hour Hazwoper Certification within one year of hire

KNOWLEDGE, ABILITY, AND SKILLS

Knowledge: Knowledge of the principles, procedures, methods, and techniques involved in the repair and maintenance of vehicles and equipment. Knowledge of landfill gas and landfill leachate collection systems. Working knowledge of welding, body work and refinishing. Knowledge of the repair of electrical and hydraulic systems. Thorough knowledge of safe repair practices. Familiarity with parts suppliers and sources; familiarity with the general costs of parts, equipment, and services.

Abilities: Ability to diagnose problems and repair motor vehicles and equipment. Ability to operate light, heavy, and special motor equipment. Ability to read repair manuals for each type of apparatus. Ability to use standard and specialized motor mechanic's tools, including fleet maintenance software. Ability to perform welding operations. Ability to maintain detailed electronic records. 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.

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

WORK ENVIRONMENT

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.