

## **PUMP STATION EQUIPMENT MECHANIC HELPER**

### **General Statement of Duties**

Performs semi-skilled technical work in the operation, maintenance, repair, installation, and replacement of machinery and equipment in the wastewater collection system and pumping stations.

### **Distinguishing Features of the Class**

The incumbent assists the mechanic in performing mechanical tasks in the operation, installation, maintenance, and repair of large and specialized equipment and machinery in the sewage pumping and water and wastewater treatment/collection/distribution systems. Work involves the responsibility for maintaining and assisting with the repair of lift stations, motors, chemical pumps, and other related system equipment. Work requires some knowledge of trade skills in mechanical and plumbing areas.

Work around raw sewage is also subject to the OSHA bloodborne pathogen rules and regulations. This position is considered a safety sensitive role. Work is performed under supervision of a Pump Station Equipment Mechanic and is evaluated in terms of effectiveness in returning equipment to proper operating conditions within given time schedules and overall effectiveness of system performance.

### **Duties and Responsibilities**

#### **Essential Duties and Tasks**

- Assists Mechanic in maintaining pumps, motors, electrical and hydraulic systems, and other apparatus and equipment.
- Participates in regular preventive maintenance inspections such as checking and lubricating bearings, gear boxes, checking and replacing filters, and other preventive maintenance activities.
- Assists with troubleshooting and repairing parts or equipment due to failure.
- Assists with cleaning, replacing and repairing gauges, grit collectors, grinders, pumps, diffusers, engines, filters, blowers, and other equipment/facilities.
- Maintains and services electrical generators for emergency power sources during outages.
- Helps unload and store chemicals.

#### **Additional Job Duties**

Assists with other wastewater or water system maintenance duties as requested.  
Performs related duties as required.

### **Recruitment and Selection Guidelines**

#### **Knowledge, Skills, and Abilities**

- Working knowledge of the occupational hazards and necessary safety precautions of the work.
- Working knowledge of the tools, parts, and methods associated with maintaining equipment.
- Some knowledge of the installation, repair, and maintenance of the mechanical, hydraulic, and electrical components of wastewater treatment plants and pumping stations.
- Some knowledge of state laws regulating water and wastewater treatment/collection/distribution and the standard procedures necessary to meet permitted

requirements.

- Skill in the use and care of tools of the trade.
- Ability to detect malfunctioning of pumps and motors by observation, sound, and chart readings, and work Mechanic to correct.
- Ability to read and follow written and oral instructions.
- Ability to establish and maintain effective working relationships with employees and supervisors.
- Ability to prepare and maintain simple records.

### **Physical Requirements**

- Must be able to physically perform the basic life operational functions of climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, grasping, talking, and hearing.
- Must be able to perform heavy work exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly.
- Must possess the visual acuity to operate machines and equipment including close inspection of moving parts, measurement devices, and assembly of equipment and parts.

### **Desirable Education and Experience**

Ability to read and write and experience in the electrical, mechanical or plumbing trades including pumping and electrical systems maintenance or repair; or an equivalent combination of education and experience. Graduation from high school and/or capable of receiving a GED within a one-year period. Possess or the ability to obtain within a specified time frame certification in Wastewater Collections.

### **Special Requirement**

Possession of a valid North Carolina driver's license.