

SENIOR UTILITY MAINTENANCE MECHANIC

General Statement of Duties

Performs responsible technical and skilled work in the operation, maintenance, and repair replacement of machinery and equipment in the sewer pumping stations, water and sewer line, hydrants, and related appurtenances.

Distinguishing Features of the Class

An employee in this class performs journey level mechanical work in the operation, maintenance, and repair of large and specialized equipment and machinery in sewer pumping stations and/or in the operation of heavy construction equipment requiring skill and care around parked cars, underground lines, and overhead wires. Work involves responsibility for maintaining and repairing a variety of pumps and motors and other equipment. Work requires a knowledge of trade skills in mechanical and plumbing areas. The employee is subject to hazards associated with wastewater and mechanical operations including working in both inside and outside environments, in extreme hot and cold weather, and exposure to various hazards such as loud noises, vibrations, moving mechanical parts, electrical current, exposure to chemicals fumes, odors, dusts, mists, gases, poor ventilation, and oils. The employee may be required to wear a respirator. Work around raw sewage is also subject to the final OSHA standards on blood borne pathogens. The employee is also subject to emergency call-back and holiday and weekend work. Work is performed under regular supervision. Work is evaluated in terms of effectiveness in returning equipment to proper operating conditions within given time schedules, and overall effectiveness of system performance. This position has been deemed Safety Sensitive.

Duties and Responsibilities

Essential Duties and Tasks

Maintains and repairs pumps, motors, and hydraulic systems, and other apparatus and equipment; performs daily inspections; maintains records of pump hours of operations and of maintenance and repair activities.

Plans and participates in regular preventive maintenance inspections such as checking and lubricating bearings, gear boxes, checking and replacing filters, cleaning out wet wells, packing pumps, mowing, and other preventive maintenance activities.

Troubleshoots, diagnoses, and repairs parts or equipment due to failure; re-builds rotating assemblies and air release valves; cleans out check valves; re-builds and changes out pumps.

Constructs, maintains and repairs water and sewer lines; makes water and sewer taps.

Trouble-shoots, rebuilds and overhauls defective parts and machinery, instrumentation and equipment; dismantles and overhauls various equipment; cleans, replaces and repairs gauges, engines, and other equipment; installs new pumps, capacitors, and electrical wiring.

Operates the sewer jet to clean out stoppages.

Operates heavy construction equipment such as track hoes, back hoes, motor graders, and loaders to dig in areas around parked cars, overhead and underground lines; operates bush hogs to clear utility right of way areas and mow around water and sewer pumping stations and storage tanks.

Makes water and sewer taps; repairs water and sewer lines, hydrants and meters; locates utility lines for other contractors and utility companies.

Participates in the maintenance and repair of streets, storm water systems, construction of catch basins, maintenance and repair of sidewalks, and related tasks.

Maintains and repairs vehicles and construction equipment.

Additional Job Duties

Performs related duties as required.

Recruitment and Selection Guidelines

Knowledge, Skills, and Abilities

Considerable knowledge of the installation, repair, and maintenance of the mechanical, plumbing, and hydraulic components of pumping stations.

Considerable knowledge of the occupational hazards and necessary safety precautions of the work.

Working knowledge of the application of information technology to pump stations monitoring.

Working knowledge of the customer service policies of the organization.

Knowledge of pump and motor parts and ability to diagnose and replace parts on pumps, motors, vehicles and equipment.

Knowledge of electrical wiring.

Ability to detect malfunctioning of pumps and motors by observation, sound, and chart readings, and to take proper remedial action.

Ability to read and follow schematic drawings, blueprints, and written and oral instructions.

Ability to establish and maintain effective working relationships with co-workers and supervisor.

Ability to prepare and maintain accurate records and prepare reports.

Ability to operate a variety of heavy construction equipment with required skill.

Physical Requirements

Must be able to physically perform the basic life operational functions of climbing, balancing, stooping, kneeling, crouching, reaching, walking, pushing, pulling, lifting, fingering, grasping, feeling, hearing, and repetitive motions.

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 and small parts, using measurement devices, perform assembly and fabrication of parts, prepare maintenance records and operate a computer terminal.

Desirable Education and Experience

Graduation from high school supplemented by courses in mechanical or plumbing trades, and considerable utility maintenance experience including pump repair and /or water and sewer line maintenance and repair; or an equivalent combination of education and experience.

Special Requirements

Possession of a valid North Carolina commercial driver=s license.

Possession of Collection System Operator Grade I or Distribution System Operator Grade C certification.