

PLANT MECHANIC

Position Code: 1450

WC Code: 7520

FLSA Status: Non-Exempt

Pay Grade: 350

Location: Public Services

Approval Date: 2018

General Statement of Duties

Performs responsible work in setting up and scheduling maintenance on all plant equipment and buildings, which includes pump, gear boxes, aerators, mixers, ice machines, HVAC and chemical feed systems.

Distinguishing Features of the Class

An employee in this class performs responsible work in with maintenance and repair of large and specialized equipment and machinery at the water or wastewater treatment plant. Work also involves grounds and building maintenance tasks. Work involves operating backhoes, bobcats, loaders and other heavy equipment, mixing proper proportions of polymers with water for the dewatering process, taking samples, assisting with major repairs and performing other related tasks. The employee is subject to hazards associated with water or 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, working on scaffolding, exposure to chemical 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 standards of OSHA on bloodborne pathogens. Work is performed under regular supervision. Work is evaluated for adherence to instructions, accuracy and timeliness of work.

Duties and Responsibilities

Performs preventive maintenance on equipment and buildings

Performs unscheduled maintenance and breakdowns

Upgrades equipment and processes

Keeps all records and is prepared to operate machinery accordingly

Researches and orders parts

Performs other duties as assigned.

Recruitment and Selection Guidelines

Knowledge, Skills and Abilities

Some knowledge of the installation, repair and maintenance of the mechanical, plumbing and hydraulic components of water and/or wastewater treatment plants and pumping stations.

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

Some of the tools, parts and methods associated with repairing and maintaining equipment.

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 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.

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.

Minimum Education and Experience

High School Diploma or GED and five to seven years of maintenance and electrical experience.