

TREATMENT PLANT TECHNICIAN

Position Code:

WC Code:

FLSA Status: Non-Exempt

Pay Grade: 347

Location: WTP or WWTP

Approval Date: 2019

General Statement of Duties

Performs responsible work in performing routine maintenance or repair at a water treatment plant or wastewater treatment plant on equipment and buildings, which may include pumps, gear boxes, blowers, aerators, mixers, ice machines, HVAC, piping and chemical feed systems. Operates plant when needed as a relief operator, performing responsible operational and laboratory functions in plant ensuring facilities are operated in strict accordance with regulations.

Distinguishing Features of the Class

An employee in this class performs responsible work in scheduled and unscheduled 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. Operates plant when needed to provide coverage due to vacancies or approved leave of other operators, including standard laboratory duties and tests, monitoring the plant's operation through observation, mechanical readings and the results of standard tests to make necessary adjustments to the process as conditions dictate. Work is performed under regular supervision. Work is evaluated for adherence to operations standards, instructions, accuracy, safety and timeliness of work.

Duties and Responsibilities

Performs preventive maintenance on equipment and buildings

Performs unscheduled maintenance and repairs

Maintains records in computerized asset management system

Researches and orders parts

Operates treatment plant in accordance with Standard Operating Procedures and State or Federal regulatory requirements

Performs other duties as assigned.

Recruitment and Selection Guidelines

Knowledge, Skills and Abilities

Working knowledge of the operating characteristics of water and/or wastewater treatment plants including the hydraulic, chemical, biological and mechanical principles pertinent to operations.

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

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.

Some knowledge of standard laboratory tests and procedures used in water and/or wastewater treatment plants.

Ability to conduct routine laboratory tests.

Skill in the use and care of tools of the trade.

Ability to detect flaws in the operation of mechanical equipment and to determine proper remedial measures.

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.

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 one to two years of experience in the operation and maintenance of machinery and equipment, preferably in a water or wastewater treatment plant; or an equivalent combination of education and experience.

Special Requirements

Requires Grade C Surface Water Treatment Certification or Grade 1 Wastewater Operator Certification, or the ability to obtain within 18 months. Additional certifications are not required for this position.