

WASTEWATER OPERATIONS & MAINTENANCE TECHNICIAN II

DISTINGUISHING FEATURES OF THE CLASS: This is skilled work of a responsible nature involving the safe and efficient operation, maintenance, preventative maintenance and minor repair of an advanced wastewater treatment plant. Employees will be required to work during emergencies, both standby and weekends, on a regular rotational basis with varied hours. This title is distinguished from that of the Wastewater Operations & Maintenance Technician I due to the electrical nature of certain responsibilities. The work is performed under the general supervision of the Assistant Director or designee. Does related work as required.

TYPICAL WORK ACTIVITIES:

Operates equipment through instrumentation panels, computer terminals and programmable logic control units following process control procedures;

Monitors, observes and reports operating conditions and data (i.e. shift log);

Promptly reports any operational problems with machines or equipment to supervisor;

Diagnoses basic operational problems and takes corrective action per procedure (i.e. adjusts target for sludge wasting);

Performs electrical safety checks throughout the facility on instruments, tools, furniture, fixtures, wiring, etc., to ensure safe conditions;

Performs routine instrument calibration for portable meters (i.e. dissolved oxygen, pH, H₂S, percent oxygen, lower explosive limit, etc.);

Performs routine cleaning, lubrication, adjustment, inspection and minor repairs to machines and related equipment which may include pumps, centrifuges, generators, valves, blowers, chemical feed, odor control, disinfection equipment, etc.;

Reports and documents results of work performed and enters into the appropriate database;

Collects wastewater, sludge, residuals and/or gas samples according to schedule;

Performs field tests (i.e. chemical, physical and biological) in order to pace chemical dosages for process and control units;

Prepares chemical solutions, monitors supplies and recommends reorder;

Dismantles equipment, electrical, and electronic instruments to gain access to and repairs defective parts using hand tools, power tools and precision measuring and testing devices;

Reassembles and tests equipment to ensure a safe and efficient operating condition is restored;

Performs routine lab testing and prepares reports per procedure;

Performs manual labor including cleaning equipment, facilities and grounds as required, and properly disposes of waste according to safety and environmental policies;

Operates vehicles, mobile equipment and material handling equipment for operational and maintenance purposes (i.e. forklift, pickup truck with or without plow, etc.);

Performs other general facility maintenance tasks and repairs (e.g. replace and/or install light bulbs, damaged glass, windows, doors, partitions, ceiling or floor tile, door locks, carpet, paint, water cleanup due to flood or other water-related emergencies, etc.).

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Working knowledge of the materials, practices, tools and terminology required in the operation and maintenance of an advanced wastewater treatment plant and associated buildings; working knowledge of the operation, maintenance and simple repair of pumps, valves and related mechanical and electrical equipment; ability to accurately read, interpret and record data from meters, gauges, scales, panels, etc.; ability to prepare records and reports; ability to perform basic mathematical calculations; ability to understand and carry out oral and written instructions; ability to establish and maintain cooperative relationships with others.

(over)

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma and a minimum of six months experience in the operation and maintenance of a wastewater treatment plant or related environment and one (1) year of experience in the maintenance and repair work of electronic equipment.

NOTE: Graduation from a vocational training program in Electrical Maintenance Technology may be substituted for the required electrical experience.

SPECIAL REQUIREMENTS:

1. Possession of a valid driver's license appropriate for the kind and size of vehicles to be operated; and
2. Must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety; and
3. Possession of a valid Grade 1A (or higher) Wastewater Treatment Plant Certificate issued by the New York State Department of Environmental Conservation within one (1) year of employment. Certificate qualifications shall consist of education, training, and practical experience as defined in Part 650 of the Department of Environmental Conservation Regulations.