

WASTEWATER OPERATOR I

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. The work is performed under the general supervision of the Assistant Director or their 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 (e.g., shift log);

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

Identifies operational issues and implements corrective measures according to established procedures (e.g., adjusts target for sludge wasting);

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

Performs routine cleaning, lubrication, adjustments, inspections 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 (e.g., chemical, physical and biological) in order to pace chemical dosages for process and control units;

Prepares chemical solutions, monitors supplies and recommends reorder;

Performs routine lab testing and prepares reports per procedure;

Conducts physical tasks such as cleaning equipment, facilities and grounds, while ensuring proper waste disposal in compliance with safety and environmental regulations;

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

Performs other general facility maintenance tasks (e.g., replace and/or install light bulbs, clean carpets, water cleanup due to flooding, paint, etc.) and repairs (e.g., damaged glass, windows, doors, partitions, ceilings or floor tiles, door locks, 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 and maintenance and simple repair of pumps, valves and related mechanical 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.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma and a minimum of six (6) months experience in the operation and maintenance of a wastewater treatment plant or related environment.

(over)

SPECIAL REQUIREMENTS:

1. 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.
2. Possession of a valid driver's license appropriate for the kind and size of vehicles to be operated.

R.C.D.P. (03.26.2018) 12.06.2024
Competitive

09.24.2024 New York State Civil Service approved Non-competitive title in the NY HELPS Program.