



CT Section AWWA Classified : Water Pollution Control Plant Operator I

Check out this classified ad, [Water Pollution Control Plant Operator I](#)

Water Pollution Control Plant Operator I

PAY RANGE: \$29.95-35.97

LOCATION: WPC-Hartford

NOTICE OF VACANCY: 28-21 / 35--21

APPLY: <https://themdc.applicantpro.com/jobs/2081427.html>

JOB SUMMARY

This very responsible position is specialized in all unit processes of water pollution control plant operations, maintenance and process control and oversight. Responsibilities include unit processes such as preliminary treatment, primary treatment, secondary treatment, chlorine/Ultraviolet disinfection solids processing, solids receiving, thickening (both gravity and dissolved air floatation), dewatering, wet weather, heat recovery /electrical production and all associated equipment.

Work involves responsibility for safe and efficient operations of aforementioned assigned processes. This position has responsibility for implementing operational changes and recommending process control adjustments in all areas of the facilities in accordance with established procedures. The position requires the ability to work varying overtime assignments,

including stand-by assignments and nights, week-ends and holidays (Satellite Plants, On Call as assigned)

ESSENTIAL FUNCTIONS

The following duties are illustrative of the classification and may not include all of the duties under the classification.

- Inspects and operates all treatment plant equipment to ensure proper functioning, makes adjustments to operating equipment, reports the need for major or specialized repairs to equipment, machinery and electrical and control systems, assists specialized trades personnel in making major and/or highly technical repairs to equipment, machinery and systems. Performs preventative, predictive and corrective maintenance and assists maintenance in performing repairs.
- Gathers information for input into the Supervisory Control and Data Acquisition System (SCADA), Hach WIMS and other data and computerized control systems.
- Operates all wastewater treatment equipment, machinery and facilities by using manual, electronic and computer control systems to regulate and control processes.
- Assists in training and development by demonstrating effective operating procedure and technique and may help disseminate training material.
- Monitors gauges, meters, charts, graphs and operates pumps, valves, electric motors, adjusting related equipment to operational needs.
- Interprets data and trends and applies standard operating procedures to recommend appropriate process control decisions
- Receives chemical shipments; monitors unloading process and records into inventory; checks chemical alarms and feed systems for leaks. Determines proper dosages of polymer, coagulants and odor control chemicals and implements operational changes to treatment processes based upon testing and knowledge of current system conditions and standard operating procedures.
- Collects wastewater samples and performs laboratory tests associated with process and permit requirements; cleans tanks and maintain buildings and grounds.
- Understands and operates all processes including incineration, waste heat recovery and electrical generation, chemical and ultraviolet disinfection, including cleaning and replacing ultraviolet lamps.
- Monitors collection system for real time control strategy and conveyance tunnel operation (pending). Operates plant wet weather treatment systems to optimize plant and collection system.
- Performs work in a safe manner and observes all safety procedures, including the use of personal protective equipment. Performs work or lower classifications, as necessary.
- Uses all tools, equipment and materials responsibly, performs inspections. Responds to emergencies as directed at any time of day or night.
- Observes and accurately reports plant process and equipment problems. Completes job or shift report forms, as assigned. Performs basic mathematical, statistical, geometric and algebraic calculations common to treatment quantification and laboratory analysis.

Operates personal computers with the ability to apply and use various processing software programs.

SUPERVISION RECEIVED

Works under the general direction of a plant or shift supervisor or crew leader.

MINIMUM QUALIFICATIONS

A high school diploma or the equivalent plus one year of experience in water pollution control plant operations.

Must have a valid Connecticut Class 1 Water Pollution Control Plant Operator's Certificate and maintain such certification in good standing. Effective working experience with Windows Office Software. Experience in SAP and Hach WIMS is desirable. Ability to work with SCADA systems for effective process monitoring.

Must possess a valid driver's license.

****Must have a CT Class II Water Pollution Control Plant Operator's Certificate with 3 years of experience in water pollution control plant operations to be moved to pay grade LT-08 (\$31.38-\$37.68). Post high school education may be substituted for up to one and one half years (50%) of the experience required (using 45 CEU's as being equivalent to one year of full-time post high school education).****

KNOWLEDGE, SKILLS, AND ABILITIES

- Considerable contemporary knowledge of principles and practices of all wastewater treatment processes for both liquid (BNR and wet weather) and solids treatment, odor control, incineration, waste heat recovery/electrical production, including specific chemical and biological processes and sampling and testing applied in wastewater treatment.
- Considerable knowledge skill and ability in applying safety procedures in all wastewater treatment operations, plant, grounds and equipment maintenance, including waste heat recovery and electrical generation production.

- Considerable knowledge in using and applying the terminology, symbols and standard abbreviations used in wastewater treatment and the reading of technical drawings.
- Considerable knowledge and skill to work independently, exercising sound judgment. Considerable ability in following oral and written instructions and procedures. Considerable oral and written communicative skills, including the effective completion of written forms and records, the timely and accurate preparation of reports, the electronic entry of data and information and the communication through electronic mail.
- Effective knowledge of Federal, State and Local legal and regulatory requirement related to the operation of wastewater treatment processes, including NPDES and air permits.
- Effective knowledge and ability in utilizing computer systems for data entry and process optimization. Capability to maintain data and information and to retrieve operational and equipment information.
- Effective ability with the use of small hand tools. Considerable ability to establish and maintain effective working relationships with coworkers.

ADA COMPLIANCE

Physical Ability: Tasks require the ability to exert heavy physical effort that involves lifting, carrying, pushing and/or pulling of objects and materials of significant weight (greater than 50 pounds).

Sensory Requirements: Some tasks require the ability to perceive and discriminate visual and/or auditory cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Essential functions are performed primarily outdoors, frequently exposed to any or all of the following: various weather conditions, high or deep dangerous places, working near moving mechanical parts, risk of electric shock, vibration, fumes, airborne particles, chemicals, etc.

The Metropolitan District Commission is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the Commission will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.