

WATER TREATMENT PLANT OPERATOR

System Classification: IIA

Distinguishing Features of the Class: The work involves responsibility on an assigned shift for the efficient and effective operation and maintenance of a water treatment plant containing facilities for filtration with pretreatment or a chemical softening process. The incumbent operates a variety of plant equipment and machinery and performs laboratory tests and other analyses relative to water filtration and treatment processes. The incumbent also performs basic maintenance and repair of plant equipment and machinery. The work is performed under the general supervision of a higher-level operator in accordance with established policy with leeway allowed for the exercise of independent judgment in planning and carrying out the details of the work. Does related work as required.

Typical Work Activities:

- Operates pumps, valves, motors, compressors and related plant equipment and machinery;
- Reads meters and gauges to obtain data on plant processes, records data and adjusts plant processes for efficiency and effectiveness;
- Maintains and performs basic repairs to pumps, valves, motors, compressors and related plant equipment;
- Performs a variety of laboratory tests and other analyses including testing for pH, turbidity, iron and total suspended solids;
- Backwashes filters and lines with water and compressed air and washes filter beds and settling basins;
- Mixes chemicals and fills water treatment tanks and monitors, regulates and adjusts chemical feed equipment to ensure the addition of proper dosages;
- Receives after hours emergency phone calls relative to plant activities and makes necessary operating adjustments to plant processes;
- Reports orally and in writing to a senior operator as required;
- Performs a variety of custodial duties relative to the maintenance of the plant and grounds.

Full Performance Knowledges, Skills, Abilities and Personal Characteristics:

- Good knowledge of the principles and practices involved in operating and maintaining a Water Treatment Plant;
- Working knowledge of the materials, tools, equipment, terminology and chemicals involved in operating and maintaining a water treatment plant;
- Working knowledge of federal, state and local laws and regulations applicable to a water treatment plant;
- Working knowledge of laboratory principles and practices, equipment, materials and chemicals as they relate to water treatment testing;
- Working knowledge of the principles, practices and equipment involved in operating and maintaining a water transmission and distribution system;
- Working knowledge of the physical sciences as they relate to water purification;
- Ability to analyze and organize data and prepare records and reports;
- Ability to make routine laboratory and field tests for control of plant operations;
- Ability to understand and follow oral and written instructions;
- Mechanical aptitude;
- Physical condition commensurate with the demands of the position.

Water Treatment Plant Operator
System Classification: IIA – continued

Minimum Qualifications:

Graduation from high school or possession of a high school equivalency diploma and one (1) year of operating experience at a water treatment plant with facilities for filtration.

SPECIAL REQUIREMENT:

Possession of a current Type IIA Water Treatment Plant Operator certificate issued by the New York State Department of Health at the time of appointment.

(Chapter I State Sanitary Code Subpart 5-4, Classification and Certification of Community and Nontransient Noncommunity Water System Operators, Statutory Authority: Public Health Law §225)

03/25/1980

08/03/2004

08/11/2004

03/25/2009

CLASS: COMPETITIVE