

WATER TREATMENT PLANT OPERATOR TRAINEE

System Classification: IIA

Distinguishing Features of the Class: The work involves the incumbent's responsibility for learning the duties and routine in the operation and maintenance of a water treatment plant containing facilities for filtration with pretreatment or a chemical softening process. The incumbent learns a variety of plant equipment and machinery and learns to perform laboratory tests and other analyses relative to water filtration and treatment processes. The incumbent also learns to perform basic maintenance and repair of plant equipment and machinery. The work is performed under the supervision of a qualified operator in accordance with established policy. Does related work as required.

Typical Work Activities:

- Performs study and reading assignments, observes demonstrations and otherwise learns the techniques of operation and maintenance of a water treatment plant;
- Learns and assists in the operation of pumps, valves, motors, compressors and related plant equipment and machinery;
- Learns and assists in the reading of meters and gauges to obtain data on plant processes, records data;
- Learns and assists in the adjustment of plant processes for efficiency and effectiveness;
- Learns and assists in the maintenance and performance of basic repairs to pumps, valves, motors, compressors and related plant equipment;
- Learns and assists in the performing of a variety of laboratory tests and other analyses including testing for pH, turbidity, iron and total suspended solids;
- Learns and assists in the backwashing of filters and lines with water and compressed air;
- Learns and assists in the washing of filter beds and settling basins;
- Learns and assists in the mixing of chemicals and fills water treatment tanks and monitors, regulates and adjusts chemical feed equipment to ensure the addition of proper dosages;
- Learns and assists in the performance of a variety of custodial duties relative to the maintenance of the plant and grounds;
- Performs increasingly responsible duties as assigned in the operations and maintenance of a water treatment plant.

Full Performance Knowledges, Skills, Abilities and Personal Characteristics:

- Familiarity with elementary principles of chemistry and general science;
- Ability to learn principles and practices involved in operating and maintaining a Water Treatment Plant;
- Ability to learn the materials, tools, equipment, terminology and chemicals involved in operating and maintaining a water treatment plant;
- Ability to learn federal, state and local laws and regulations applicable to a water treatment plant;
- Ability to learn laboratory principles and practices, equipment, materials and chemicals as they relate to water treatment testing;
- Ability to learn the principles, practices and equipment involved in operating and maintaining a water transmission and distribution system;
- 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;

Water Treatment Plant Operator Trainee**System Classification: IIA – continued**

- Ability to get along well with others;
- Working knowledge of electricity;
- Industrious;
- Dependable;
- Mechanical aptitude;
- Physical condition commensurate with the demands of the position.

Minimum Qualifications:

Graduation from high school or possession of a high school equivalency diploma **and**;

Obtaining a Type IIA Water Treatment Plant Operator certificate issued by the New York State Department of Health within seventy-eight (78) weeks of appointment as Trainee.

SPECIAL REQUIREMENT:

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

(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)

02/28/1990

03/25/2009

05/20/2015

CLASS: COMPETITIVE