

WATER TREATMENT PLANT OPERATOR
TYPE A PLANT

DISTINGUISHING FEATURES OF THE CLASS: The incumbent has responsibility during an assigned shift for the actual operation of a water treatment plant. This is routine but important work involving responsibility during a shift for the efficient operation and maintenance of a Type A Water Treatment Plant containing facilities for filtration with pretreatment or a chemical softening process. The work is performed under general supervision of an operator qualified to be in charge of the operation of the plant. Supervision may be exercised over subordinate employees in the performance of their assigned duties.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

- Operates pumps, valves, motors and related machinery and equipment;
- Performs maintenance work and makes minor repairs to machinery and equipment;
- Records readings of meters, gauges and scales;
- Supervises and participates in the regulation and adjustment of the chemical dosages and chlorinators and chemical feed machines to meet the specifications set by the laboratory personnel;
- Supervises and participates in the washing of filter beds, screens and settling basins;
- Takes samples of water for testing;
- Makes necessary tests for control of plant operations;
- Assists in the instruction of trainees;
- Supervises the work of laborers and other subordinate employees;
- Keeps a log of plant operations and related records;
- May perform custodial duties in connection with maintenance of buildings and grounds;
- Enters and retrieves information in an automated information system;
- Performs related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

- Good knowledge of the practices used and the equipment required in the operation and maintenance of a Type A Water Treatment Plant containing facilities for filtration with pretreatment or a chemical softening process;
- Working knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification;
- Working knowledge of personal computers and office equipment;
- Skill in the operation and repair of pumps, valves and related mechanical and electrical equipment;
- Ability to make routine laboratory and field tests for control of plant operation;
- Ability to read, understand and record data from gauges, scales and meters;
- Ability to understand and carry out oral and written instructions;
- Ability to deal effectively with others;
- Ability to lift a minimum of 50 pounds

- Mechanical aptitude;
- Alertness;
- Dependability;
- Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

- I. Type A plant whose designated capacity exceeds 2.5 million gallons per day:

Graduation from high school or possession of a high school equivalency diploma, successful completion of appropriate level water treatment operator courses approved by the New York State Health Department, and not less than two (2) years of satisfactory experience in the actual operation of a water treatment plant with facilities for filtration with pretreatment or for chemical softening or any similar process.

- II. Type A plant whose designated capacity is 2.5 million gallons or less per day:

Graduation from high school or possession of a high school equivalency diploma, successful completion of appropriate level water treatment operator courses approved by the New York State Health Department, and not less than five (5) years of satisfactory experience in the actual operation of a water treatment plant with facilities for filtration and pretreatment or for chemical softening or any similar process.

SPECIAL REQUIREMENTS FOR ACCEPTANCE OF APPLICATION:

- I. Type A plant whose designated capacity exceeds 2.5 million gallons per day:

Eligibility for a Grade II-A certificate issued under the provisions of the New York State Sanitary Code. Possession of certificate at time of appointment.

- II. Type A plant whose designated capacity is 2.5 million gallons or less per day:

Eligibility for a Grade II-A certificate issued under the provisions of the New York State Sanitary Code. Possession of certificate at time of appointment.

NOTE:

Position may require Saturday, Sunday, and holiday hours and/or work assignments during the day, evening and night.

Revised: 4/16/80
7/16/80
2/27/02
6/26/02
3/25/15
1/6/16