

DEPARTMENT: ALL APPLICABLE
CLASSIFICATION: COMPETITIVE
APPROVED: JULY 25, 2016

CHIEF WATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS: This is an important supervisory and technical position involving responsibility for overseeing the safe and efficient operation and maintenance of a Type A Water Treatment Plant, whose designated capacity exceeds 2.5 million gallons per day, containing facilities for filtration with pretreatment or a chemical softening process. General direction is received from a superior but wide leeway is allowed for planning work methods and dealing with emergency conditions. Supervision is exercised over the work of operators, trainees and other subordinate personnel. Does related work as required.

TYPICAL WORK ACTIVITIES:

1. Supervises the operation of the plant to ensure the most efficient and economic use of equipment, supplies and manpower;
2. Completes daily inspection of plant and plant machinery to ensure compliance with safety orders and to detect existing or potentially unsafe or hazardous operating procedures, equipment or conditions and recommends corrective measures when needed;
3. Investigates, diagnoses, and recommends correction of abnormalities occurring in any of the treatment or disposal processes to ensure that treated water meets local, state, and federal guidelines;
4. Develops and implements a health and safety program in accordance with Public Health Law 502;
5. Conducts or supervises necessary tests for control of plant operation;
6. Issues instructions for the regulation of chlorinators and chemical feeders;
7. Schedules and supervises the cleaning and washing of filters;
8. Supervises and instructs operators, trainees and other subordinate employees;
9. Directs the training of operating personnel and when assigned, resolves personnel problems and grievances;
10. Enforces working rules in accordance with established practices and procedures;
11. Conducts periodic examinations of plant equipment and directs necessary repairs and maintenance;
12. Conducts special studies for improvement of water quality and plant operations;
13. Maintains inventory of supplies, chemicals and equipment;
14. Requisitions materials;
15. Maintains records and prepares periodic reports on the operation of the plant;
16. Reviews and inspects plant records and technical data and/or reviews operating reports and graphic charts;
17. Ensures the plant is in compliance with all safety rules as stated in the Code of Federal Rules and Regulations;
18. Reviews scientific literature to keep informed of new procedures, methods, materials, and finding in the field of environmental engineering and water treatment.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Thorough knowledge of the practices used and 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; good knowledge of the operations of a modern water treatment plant; good knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification; skill in the application of mechanical aptitude principles; ability and knowledge to read and interpret gauges, scales and meters related to water operations; ability to supervise 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 plan and supervise the work of subordinates; mechanical aptitude; alertness and dependability; physical condition suitable to the demands of the position.

MINIMUM QUALIFICATIONS:

SUGGESTED PROMOTIONAL QUALIFICATIONS: Five (5) years of permanent competitive status as a Senior Water Treatment Plant Operator, Water Treatment Plant Operator, or Supervisor of Water Maintenance immediately preceding the date of written examination.

OPEN COMPETITIVE QUALIFICATIONS: Candidates must meet one (1) of the following combinations of education and experience.

Education	Experience
Graduation from a regionally accredited or New York State registered approved college or university with a Bachelors Degree in engineering, natural science or a related field; and	Two (2) years of operational experience in the operation of a Type A Water Treatment Plant whose designated capacity exceeds 2.5 MGD with chemical conditioning, filtration and chlorination;
Graduation from a regionally accredited or New York State registered approved college or university with an Associates Degree in applied science with at least one semester course in water treatment plant operations; and	Four (4) years of operational experience in the operation of a Type A Water Treatment Plant whose designated capacity exceeds 2.5 MGD with chemical conditioning, filtration and chlorination;
Graduation from a regionally accredited or New York State registered approved college or university with an Associates Degree in applied science; and	Six (6) years of operational experience in the operation of a Type A Water Treatment Plant whose designated capacity exceeds 2.5 MGD with chemical conditioning, filtration and chlorination;
Graduation from high school or possession of an equivalency diploma. and	Ten (10) years of a combination of operational experience in a Type A Water Treatment Plant whose designated capacity exceeds 2.5 MGD with chemical conditioning, filtration and chlorination and/or in a Grade 4 Wastewater Treatment Plant with a minimum of one (1) year experience in a Type A Water Treatment Plant.

SPECIAL REQUIREMENTS:

1. Possession of a Grade IA Water Treatment Plant Operator's License at time of appointment and throughout employment.
2. All candidates must undergo and pass a physical/fit test required under 29 CFR 1910 of the Occupational Safety and Health Administration Labor Code of Federal Regulations.