

CHIEF WATER TREATMENT PLANT OPERATOR TYPE IA PLANT

DISTINGUISHING FEATURES OF THE CLASS: This is an important supervisory and technical position involving responsibility for the safe and efficient operation and maintenance of a Type IA Water Treatment Plant containing facilities for filtration with pretreatment or a chemical softening process. The incumbent has responsible charge of the complete and actual operation of a Type IA Water Treatment Plant (designated capacity of over 2.5 million gallons per day). General direction is received from the appointing authority but wide leeway is allowed for planning work methods and dealing with emergency conditions. Supervision is exercised over operators, trainees, or other personnel assigned to the treatment plant. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Supervises the operation of the plant to assure the most efficient and economical use of equipment, supplies and manpower;

Makes daily inspection of plant and plant machinery;

Makes or supervises necessary tests for control of plant operation;

Issues instructions for the regulation of chlorinators and chemical feeders;

Schedules and supervises the cleaning and washing of filters;

Supervises and instructs operators, trainees, and other subordinate employees;

Conducts periodic examinations of plant equipment and directs necessary repairs and maintenance;

Conducts special studies for improvement of water quality and plant operations;

Requisitions materials and maintains inventory of supplies, chemicals and equipment;

Maintains records and prepares periodic reports on the operation of the plant;

Functions as operator in responsible charge, designated by the system owner to be the certified water treatment operator who makes decisions regarding the daily operational activities of the public water system, water treatment facility and distribution system that will directly impact the quality and/or quantity of drinking water;

May supervise the programming, operation and maintenance of a computerized SCADA system to monitor and operate plants, booster stations, storage and distribution facilities;

Uses computer applications such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the practices used and equipment required in the operation and maintenance of a Type 1A 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; 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; ability to read, write, understand and communicate in English sufficiently to perform the essential functions of the position; ability to effectively use computer applications such as spreadsheets, word processing, calendar, e-mail and database software; alertness and dependability; physical condition commensurate with the duties of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Possession of a current Water Treatment Plant Operator Grade IA certificate issued by the New York State Department of Health under the provisions of Subpart 5-4 of the New York State Sanitary Code and two (2) years of supervisory experience in the operation, maintenance, design or repair of water works facilities.

SPECIAL REQUIREMENT: Possession of a current Water Treatment Plant Operator IA Certificate issued by the New York State Department of Health under the provisions of Subpart 5-4 of the New York State Sanitary Code at time of appointment. The appointing authority is responsible for verifying that the certification is renewed every three years throughout employment.