

CHIEF WATER TREATMENT PLANT OPERATOR TYPE IB PLANT

GENERAL STATEMENT OF DUTIES: Has responsible charge of the complete and actual operation of a Type IB Water Treatment Plant (designated capacity of over 2.5 million gallons per day); does related work as required.

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 IB Water Treatment Plant containing facilities for the application of chemicals to the water, such as, but not limited to chlorine or chlorine compounds, chlorine dioxide, chlorine ammonia, fluoride compounds, or the process of de-chlorination. 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.

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;

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

Makes or supervises necessary tests for control of plant operation;

Issues instructions for the regulation of chlorinators and chemical feeders;

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

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

Maintains inventory of supplies, chemicals and equipment;

Requisitions materials;

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

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

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the practices used and equipment required in the operation and maintenance of Type IB Water Treatment Plant containing facilities for the application of chemicals to the water, such as, but not limited to chlorine or chlorine compounds, chlorine-dioxide, chlorine ammonia, fluoride compounds, or the process of de-chlorination; 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; alertness and dependability; physical condition commensurate with the duties of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Possession of a current 1-B certificate issued under the provisions of the New York State Sanitary Code.