

## WATER TREATMENT PLANT OPERATOR IIB

**DISTINGUISHING FEATURES OF THE CLASS:** Under general supervision of a chief operator designated to be in responsible charge of the operation of the plant, the incumbent of this position performs routine but important work during an assigned shift to ensure the efficient operation and maintenance of a non-filtration Water Treatment Plant. In accordance with the New York State Department of Health Sanitary Code, this position functions as the assistant operator in a IB Water Treatment Plant, with 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 dechlorination. In accordance with the sanitary codes issued by the New York State Department of Health, this position functions as the assistant operator in a IB facility. Supervision may be exercised over subordinate employees in the performance of their assigned duties. Does related duties as required.

### **EXAMPLES OF WORK:** (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;

Regulates and adjusts chlorinates;

Tests for chlorine residual, pH levels, fluoride and orthophosphate levels;

Takes samples of water for testing;

Makes necessary tests for control of plant operation;

Assists in the instruction of trainees;

Supervises the work of laborers and other subordinate employees;

Keeps a daily log of plant operations and related records such as chemical usage and amount of water pumped into distribution;

Performs custodial duties in connection with maintenance of buildings and grounds;

Uses a computerized SCADA (Supervisory Control and Data Acquisition) 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: Good knowledge of the practices used and equipment required in the operation and maintenance of a Type B Plant with facilities for the application of chemicals to water, such as, but not limited to chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of dechlorination; working knowledge of the principles and application of physics, chemistry and bacteriology as they relate to water purification; skill in the operation and repair of pumps, valves, and related mechanical and electrical equipment; ability to read, understand and record data from gauges, scales, and meters; ability to make routine laboratory and field tests for control of plant operation; ability to understand and carry out oral and written instructions; ability to read, write, speak, 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; mechanical aptitude; alertness and dependability; physical condition commensurate with the duties of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Graduation from high school or possession of a New York State equivalency diploma and one (1) year of operating experience† in a Type B water treatment plant.

SPECIAL REQUIREMENT: Possession of a current Grade IIB 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 and kept current throughout employment.

†DEFINITION: As defined in Subpart 5-4.1 of the New York State Sanitary Code, operating experience means the time spent working at a water treatment plant in the satisfactory performance of operational duties or working on a distribution system in the satisfactory performance of operational and maintenance duties. Water plant design experience does not qualify as operating experience.