

## WATER TREATMENT PLANT OPERATOR IB

DISTINGUISHING FEATURES OF THE CLASS: The incumbent of this position is responsible, during an assigned shift, for the efficient operation and maintenance of a Type IB or IIB 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. The work is performed under general supervision of a chief operator or other position 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. Does related work 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 chlorinators;

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;

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

May utilize a computerized SCADA (Supervisory Control and Data Acquisition) system to monitor and operate plants, booster stations, storage and distribution facilities;

May requisition materials and maintain inventory of supplies, chemicals and equipment;

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;

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: (Continued) ability to make routine laboratory and field tests for control of plant operation; ability to effectively use computer applications such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments; ability to read, write, speak, understand and communicate in English sufficiently to perform the essential duties of the position, ability to understand and carry out oral and written instructions; 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 high school equivalency diploma and either: (a) possession of a current Grade IB certificate issued by the New York State Department of Health under the provisions of Subpart 5-4 of the New York State Sanitary Code; or (b) a New York State professional engineer's license, or a Bachelor's Degree\* in engineering, natural science or a related field from an accredited or New York State registered college or university, and two (2) years of operating experience† at a minimum of a grade B water treatment plant; or (c) an Associate's Degree\* in applied science, with at least a one semester course in water treatment plant operations, from an accredited or New York State registered college or university and four (4) years of operating experience† at a minimum of a grade B water treatment plant; or (d) an Associate's Degree\* in applied science, from an accredited or New York State registered college or university and six (6) years of operating experience† at a minimum of a grade B water treatment plant; or (e) ten (10) years of operating experience† in a water treatment plan, including or supplemented by two (2) years of operating experience at a minimum of a grade B water treatment plant.

SPECIAL REQUIREMENT: Possession of a current Grade IB 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.

†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.

\*SPECIAL NOTE: Education beyond the secondary level must be from an institution recognized or accredited by the Board of Regents of the New York State Department of Education as a post-secondary, degree-granting institution.

Towns, Villages,  
Cities of Rye & Peekskill,  
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Job Class Code: 0642