

## WATER TREATMENT PLANT OPERATOR - IIB

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, is responsible during an assigned shift for the actual operation and maintenance of a Type IIB water treatment plant and its distribution system. A Type IIB Water Treatment Plant has facilities for the application of chemicals to the water, such as, chlorine or chlorine compounds, caustic soda, orthophosphate, fluoride compounds, or the process of dechlorination. The work is performed under general supervision of a chief operator or superintendent qualified to be in charge of the operation of the plant. In addition, incumbents of this class perform journeyman level maintenance, repair, and installation work on water treatment plant equipment including the layout of jobs sufficiently complex to require advance planning. Work may be completed with little or no check during progress or on completion. Supervision may be exercised over lower level employees in the performance of their assigned duties. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Operates pumps, motors and related machinery;

Performs maintenance work and repairs mechanical units associated with a type IIB Water Treatment Plant such as pumps, tanks, analyzers, meters, monitors, pipes, hydrants, etc.;

Records readings of meters, gauges, and scales;

Takes water samples (raw and finished);

Conducts tests to monitor water quality including color, hardness, turbidity, coliform densities, etc., as per the code;

Conducts lab tests of water quality parameters for shift surveillance;

Regulates and adjusts chlorinators and other chemical feed equipment;

Backwashes filters as required;

Keeps daily log of plant performance;

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

May use computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of the methods used in the operation and maintenance of water treatment facilities; familiarity with the New York State Sanitary Code guidelines pertaining to Type B Water Treatment Facilities; ability to repair, operate and maintain appurtenant equipment; ability to read, understand and carry out oral and written directions; basic skills in laboratory tests for water quality; ability to read, understand and record data from gauges, scales, and meters; ability to effectively use computer applications such as spreadsheets, word processing, calendar, email and database software in performing work assignments; mechanical aptitude; alertness and dependability; ability to get along well with others; good judgment; resourcefulness; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Possession of a high school or equivalency diploma, grade IIB or higher certification as a Water Treatment Plant Operator issued by the New York State Department of Health under Part 5 of the State Sanitary Code (pre- or post experience), and four years of experience where the primary function of the position was in the operation, maintenance and repair of mechanical or electrical equipment, one of which must have been in a water treatment facility, and two of which must have been without close supervision.

SPECIAL REQUIREMENTS: (1) Appointees must maintain the certification listed above during the course of employment. (2) Must possess a valid driver's license to operate a motor vehicle in the state of New York. (3) Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.

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Job Group: VII