

## 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);

Accepts deliveries of chemicals such as chlorine, caustic soda, and orthophosphate, etc. as authorized by and in accordance with Westchester County Department of Health regulations and possession of Grade IIB or higher certification as a Water Treatment Plant Operator;

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.

FULL PERFORMANCE 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, e-mail and database software in performing work assignments; ability to read, write, speak, understand and communicate in English sufficiently to perform the essential functions of the position; mechanical aptitude; alertness; 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: Possess a current Certificate as a 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 and have one year of experience in water treatment plant operations and one of the following:

- Three years of work experience in the operation, maintenance or repair of mechanical equipment such as heating and ventilation systems or in any of the trades such as (but not limited to) plumbing, electrical, pipe or steam fitting, masonry, or carpentry; or
- Sixty college credits; or
- Trade school graduation followed by one year of experience in the trade; or
- Two years of active military service; or
- An equivalent combination of the above

SPECIAL REQUIREMENTS: (1) Appointees must maintain the certification listed above during the course of employment. (2) Must possess and maintain 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.