

WATER TREATMENT PLANT OPERATOR

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, incumbents operate, maintain and repair a Type IA (over 2.5 mgd) rapid sand filtration water treatment plant. Incumbents perform skilled work to control physical, chemical and biological water treatment processes. The Operator is fully proficient in the skills and practices of the trade, with full knowledge of the principals, tools and techniques of the trade. Work at this level is performed with considerable independence within the framework of established practices, processes and procedures. An incumbent may work as part of a crew or as lead worker on specific projects, may supervise a number of lower level operating, maintenance and labor employees, or function in responsible charge on an assigned shift. The work of Water Treatment Plant Operators may be completed with little or no check during progress, or on completion. Supervisor may check overall work to ensure that it meets standards. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Takes water samples (raw and finished) and conducts tests to monitor water quality including color, hardness, turbidity, coliform densities, etc., within the mandates of the New York State Sanitary Code;

Conducts lab tests of water quality parameters for shift surveillance and maintains appropriate records;

Records readings of meters, gauges and scales and maintains daily log of plant performance of shift work;

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

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 A Water Treatment Facilities; ability to repair, operate and maintain appurtenant equipment; ability to understand and carry out oral and written directions; ability to conduct laboratory tests for water quality; ability to read, understand and record data from gauges, graphs, charts, tables, scales, and meters; ability to get along well with others; mechanical aptitude; alertness and dependability; good judgment; resourcefulness; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A High School or equivalency diploma and one year of experience in a water treatment plant with a large amount of mechanical equipment and four years of experience in the operation, maintenance and repair of mechanical or electrical equipment.

SPECIAL REQUIREMENTS: (1) Appointees must possess a Grade IIA or 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 must maintain certification during course of employment. (2) Possession of a valid New York State driver's license. (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.