

WATER TREATMENT PLANT OPERATOR Type A Plant

GENERAL STATEMENT OF DUTIES: Has responsibility during an assigned shift for the actual operation of a water treatment plant; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: This is routine but important work involving responsibility during a shift for the efficient operation and maintenance of a Type A water treatment plant containing facilities for filtration with pretreatment or a chemical softening process. The work is performed under general supervision of an operator 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.

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;
- Washes filter beds and settling basins;
- 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 log of plant operations and related records;
- Performs custodial duties in connection with maintenance of buildings and grounds.

REQUIRED KNOWLEDGES, SKILLS AND ABILITIES: Good knowledge of the practices used and the equipment required in the operation and maintenance of a Type A water treatment plant containing facilities for filtration with pretreatment or a chemical softening process; working knowledge of the principles and applications 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 make routine laboratory and field tests for control of plant operation; ability to read, understand and record data from gauges, scales, and meters; ability to understand and carry out oral and written instructions; mechanical aptitude; alertness and dependability; good physical condition.

ACCEPTABLE EXPERIENCE AND TRAINING:

Type A Plant whose designated capacity exceeds 2.5 million gallons per day:

Graduation from high school or possession of a New York State high school equivalency diploma; completion of an appropriate course of instruction approved by the Public Health Council; not less than one year of satisfactory experience in the actual operation of a water treatment plant with facilities for filtration with pretreatment or for chemical softening or any similar process.

Type A Plant whose designated capacity is 2.5 million gallons or less per day:

Graduation from high school or possession of a New York State high school equivalency diploma; completion of an appropriate course of instruction approved by the Commissioner of the Department of Environmental Conservation; and not less than six months of satisfactory experience in the actual operation of a water treatment plant with facilities for filtration with pretreatment or for chemical softening or any similar process.

Water Treatment Plant Operator, Type A Plant - cont'd.

Special Requirement for Acceptance of Applications

Type A Plant whose designated capacity exceeds 2.5 million gallons per day:

Eligibility for a Grade IIA certificate issued under the provisions of the New York State Sanitary Code.

Type A Plant whose designated capacity is 2.5 million gallons or less per day:

Eligibility for a Grade IIIA certificate issued under the provisions of the New York State Sanitary Code.

Revised April 1, 1963

Competitive Class (Full time)

Non-Competitive Class (Part time)