

WATER AND WASTEWATER TREATMENT PLANT OPERATOR

GENERAL STATEMENT OF DUTIES: Has responsibility for the actual operation of a water treatment plant and a wastewater treatment plant; does related work as required.

DISTINGUISHING FEATURES OF THE CLASS: This is routine but important work involving responsibility for the efficient operation and maintenance of a water treatment plant and a wastewater treatment plant. This position also involves responsibility for taking readings and maintaining related records at the municipal electric plant. The work is performed under the general supervision of the Public Utilities Superintendent. Supervision may be exercised over the subordinate employees in the performance of their assigned duties.

EXAMPLES OF WORK: (Illustrative only)

- Operates pumps, valves, motors and related machinery and equipment;
- Makes minor repairs to machinery and equipment;
- Records readings of meters, gauges and scales;
- Takes samples of water and wastewater for testing;
- Regulates and adjusts chlorinators for the water and wastewater plants;
- Cleans sludge beds and assists in the disposal of dried sludge;
- Cleans and releases plugged and broken sewer lines;
- Keeps a log of plant operations and related records;
- Performs custodial duties in connection with maintenance of buildings and grounds;
- Takes readings at electric plant and records in log book;
- Maintains a variety of records.

REQUIRED KNOWLEDGES, SKILLS AND ABILITIES: Good knowledge of the practices used and the equipment required in the operation and maintenance of a water treatment plant with facilities for the application to the water of chemicals having a direct health significance such as chlorine or chlorine compounds, fluoride compounds or the process of de-chlorination or any similar process and in wastewater treatment plant with facilities for plain settling or the use of an Imhoff tank or the use of a stabilization or oxidation pond; working knowledge of the principles and applications of physics, chemistry and bacteriology as they relate to water purification and to wastewater treatment and disposal; 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; ability to understand and carry out oral and written directions; mechanical aptitude; alertness and dependability; good physical condition.

ACCEPTABLE EXPERIENCE AND TRAINING:

Water - Type B Plant whose designated capacity is 1.0 to 4.0 million gallons per day or Type B Plant whose designated capacity is less than 1.0 million gallons per day:

Graduation from high school or possession of a New York State high school equivalency diploma; satisfactory completion of an appropriate course of instruction approved by the Commissioner of the Department of Environmental Conservation; not less than three months of satisfactory experience in the actual operation of a water treatment plant with facilities for the application to the water of chemicals having direct health significance such as chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds or the process of de-chlorination, or any similar process; and the ability to conduct the routine laboratory and field tests required for the control of the operation of a water treatment plant with such facility.

Water and Wastewater Treatment Plant Operator – cont'd

Special Requirements for Acceptance of Applications:

Type B Plant whose designated capacity is 1.0 to 4.0 million gallons per day or Type B Plant whose designated capacity is less than 1.0 million gallons per day:

Eligibility for a Grade III-B certificate issued under the provisions of the New York State Sanitary Code. Possession of the certificate at the time of appointment.

Sewage - Type C Plant whose designated capacity exceeds 0.05 million gallons per day:

Graduation from high school or possession of a New York State high school equivalency diploma; satisfactory completion of an appropriate course of instruction approved by the Commissioner of the Department of Environmental Conservation; not less than two months of satisfactory experience in the actual operation of a wastewater treatment plant with facilities for plain settling, or the use of an Imhoff tank, or the use of a stabilization or oxidation pond, or the use of any similar facility; and the ability to conduct the routine laboratory and field tests required for the control of the operation of a wastewater treatment plant with such facilities.

Special Requirements for Acceptance of Applications:

Type C Plant whose designated capacity exceeds 0.05 million gallons per day:

Eligibility for a Grade III-C certificate issued under the provisions of the New York State Sanitary Code. Possession of the certificate at the time of appointment.

Competitive Class