

## **WATER TREATMENT PLANT OPERATOR Type B Plant**

**DISTINGUISHING FEATURES OF THE CLASS:** This is routine but important work involving responsibility during a shift for the safe and efficient operation and maintenance of a Type B water treatment plant with facilities for the application of chemicals to the water, such as, chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of de-chlorination. 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. The incumbent does related work as required.

**TYPICAL WORK ACTIVITIES: (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, if existing;
- 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.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of the practices used and equipment required in the operation and maintenance of a Type B Plant with facilities for the application of chemicals to the water, such as, chlorine or chlorine compounds, chlorine-dioxide, chlorine-ammonia, fluoride compounds, or the process of de-chlorination; working knowledge of the principles and application 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 read, understand and record data from gauges, scales, and meters; ability to make routine laboratory and field tests for control of plant operation; ability to understand and carry out oral and written instructions; mechanical aptitude; alertness and dependability; physical condition commensurate with the demands of the position.

**ACCEPTABLE EXPERIENCE AND TRAINING:**

Type B Plant whose designated capacity exceeds 4.0 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 six 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.

## **Water Treatment Plant Operator Type B Plant – cont'd**

### **ACCEPTABLE EXPERIENCE AND TRAINING – cont'd**

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.

### **Special Requirements for Acceptance of Applications:**

Type B Plant whose designated capacity exceeds 4.0 million gallons per day:

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

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

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

**\* NOTE:** In the Village of Mohawk, Water Treatment Plant Operators may be assigned duties and responsibilities of a lineperson helper, a water meter serviceman and a laborer.

Revised April 1, 1963

Competitive Class

Non-Competitive Class (part-time)