

## **WATER TREATMENT PLANT OPERATOR - TYPE A PLANT**

Code No.: 4-14-039  
COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This position is responsible for the efficient operation and maintenance of a Type I-A Water Treatment Plant\* containing facilities for filtration with pre-treatment or a chemical treatment process. Work requires regular inspection of various areas within the treatment plant and offsite locations including remote facilities, booster pumping stations, tanks and reservoirs. Employees are required to ascend ladders or stairs and enter confined or restricted spaces including subgrade facilities as well as maneuver or work in tight quarters around machinery and work a variety of work schedules including rotating shifts at multiple locations. This position differs from that of a Senior Water Treatment Plant Operator-Type A Plant in level and complexity of assignments. The employee reports directly to, and works under the general supervision of a Chief Water Treatment Plant Operator Type A Plant or other higher-level staff member. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (All need not be performed in a given position. Other related activities may be performed although not listed.)

Operates a personal computer based Supervisory Control and Data Acquisition (SCADA) system to monitor and control transmission, storage, and disinfecting components of the distribution system and plant, including but not limited to, pumps, valves, disinfecting equipment, pressure regulators, storage and treatment facilities, chemical feed systems, water quality measuring devices and related components;

Records readings of meters, gauges, and scales, enters data in computer for monthly reports;

Maintains plant security and inspects related equipment at various locations in the plants, performs an inspection of the treatment plants and pump stations, a minimum of once per shift;

Regulates, calibrates, and adjusts chlorinators, and other chemical feeders;

Handles chemical storage containers and operates chemical transfer and feed equipment;

Washes filters and settling basins;

Conducts tours of treatment plant for outside groups;

Assists in answering the phone and two-way radio during normal business hours and outside normal business hours;

Collects samples of water for testing;

Performs necessary tests for control of plant operations;

Assists in water laboratory routines to determine water quality;

Assists with the instruction of Water Treatment Plant Operator Trainees;

Keeps a log of plant operations and related records;

Calculates and records, using a computer program, all flows, filter washers and chemical feeds;

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

Assists with the operation of the distribution system through use of the SCADA system.

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

Good knowledge of the practices used and the equipment required in the operation and maintenance of a Type I-A Water Treatment Plant containing facilities for filtration with pre-treatment; 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 utilize applicable computer based programs and applications; ability to read, understand and record data from gauges, scales, and meters; ability to understand and carry out oral and written instructions; mechanical aptitude; good judgment; physical condition commensurate with the demands of the position including medical requirements for use of respirator and self-contained breathing apparatus.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma plus EITHER:

(A) One (1) year paid full-time or its part-time equivalent experience in the operation of a Type I-A Water Treatment Plant\*; OR,

(B) Possession of a Grade II-A Water Treatment Plant\* Operator's license issued by the New York State Department of Health under the provisions of the New York State Sanitary Code.

\*this position works at a water treatment plant with facilities for filtration designed to treat over 2.5 million gallons per day (MGD) and is classified as a Type I-A Plant.

**SPECIAL REQUIREMENTS:** Possession of a Grade II-A Treatment Plant Operator's license issued by the New York State Department of Health under the provisions of the New York State Sanitary Code at the time of appointment.

If you are appointed, you will be required to have a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

**REVISED:** April 15, 1993  
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