

SENIOR WATER TREATMENT PLANT OPERATOR-TYPE A PLANT

Code No. 6-23-002

Competitive

DISTINGUISHING FEATURES OF THE CLASS: This position is responsible for the efficient operation of a Type A Water Treatment Plant transmission system and auxiliary treatment facilities that distribute potable water to residential, commercial, and industrial establishments. Employees may operate equipment to treat and process raw water. Work may require inspection of various areas within the treatment plant and offsite locations including booster pumping stations, storage tanks and remote treatment facilities. Employees are required to climb ladders or stairs and enter confined or restricted spaces including subgrade facilities and maneuver or work in tight quarters around machinery. This position differs from that of a Water Treatment Plant Operator-Type A Plant by an increased level and complexity of assignments. The employee reports directly to, and works under the general supervision of, a senior 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 devices, pressure regulators, storage and treatment facilities, chemical feed systems, water quality measuring devices and related components;

Maintains logs, journals and records of designated transmission system parameters;

Performs routine inspection and minor troubleshooting and/or maintenance of related equipment and components;

Works closely with Water Treatment Plant Operator to maintain balance of water production and distribution;

Assists and fills in for plant operator as needed;

Performs water laboratory routines to determine water quality;

Maintains all security systems;

Instructs Water Treatment Plant Operator Trainees in the performance of duties;

Serves as phone and radio operator;

Contacts appropriate personnel for emergency repairs and maintains necessary logs and records.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Good knowledge of current practices, technology, and equipment used in the operation of water treatment facilities and transmission systems; 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 treatment parameters and water quality; 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; alertness and dependability; integrity; good judgment; physical condition commensurate with the demands of the position including medical requirements for use of a respirator and self-contained breathing apparatus.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of an equivalency diploma, plus two (2) years of paid full-time or its part-time equivalent experience in the operation of a Type A water treatment plant*

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

*water treatment plant with facilities for filtration designed to treat 2.5 million gallons per day (MGD) or less is classified as a II-A water treatment plant.

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

REVISED: Formerly Water Treatment Plant Foreman – Type A Plant

REVISED: July 6, 2000

REVISED AND TITLE CHANGE: December 9, 2010

Formerly Water Systems Operator

ADDITIONAL INFORMATION:

The position requires working rotating shifts including weekends.