

Springfield Water and Sewer Commission

Treatment Plant Operator in Training – West Parish Filters, Westfield, MA

NATURE OF WORK IN THIS CLASS:

This is a non-exempt position involving skilled work in operating water treatment processes, reservoir, dams, machinery and equipment. Work involves responsibility for operating specialized systems, machinery and equipment in the treatment of water. Work is performed in accordance with standard, well-defined operating procedures under general supervision of an operator of higher grade who reviews work through inspections and monitoring of plant operations. Supervision is exercised over other employees.

Employee may be required to work various shifts, Holidays and weekends to support 24/7 operations. Employees shall be required to work in emergency situations.

ESSENTIAL DUTIES AND RESPONSIBILITIES include but not limited to the following:

- Operates assigned water treatment and processing systems, machinery, instruments and equipment to control the flow, processing, and treatment of water.
- Operates, flocculation mechanisms, conditioning equipment, and chlorinators.
- Operates, but not limited to pumping stations, conveyors, pumps, blowers, heating boilers and systems, compressors, chemical feed, tanks, channels and related auxiliary and appurtenant machinery and equipment.
- Monitors gauges, meters and control panels; observes variations in operating conditions; interprets meters, gauge readings and test results in relation to processing requirements.
- Operates valves and gates either manually or by remote control; starts, stops pumps, engines, generators and related equipment to control, adjust and correct flow and treatment processes; carries out pumping schedules to obtain proper velocities, elevations and operating results.
- Maintains clean and orderly condition of assigned equipment, facilities, and station.
- Maintains shift log for equipment operated; records gauge and meter readings, observations and activities, using modern equipment and technology.
- Performs preventative repairs and maintenance on various equipment.
- Performs general repair and maintenance on various equipment.
- Assists in repair and maintenance of all equipment.
- Operates chlorinators and appurtenances in accordance with chlorine demand; connects, disconnects liquid chlorine cylinders to system; takes appropriate safety precautions to prevent and control chlorine leaks.
- Regularly inspects operation and condition of assigned equipment; detects, reports faulty operation, failures, disorders, interruptions, breakdowns or unusual conditions to the shift operator; assists in restoring normal operation of equipment. Assists in troubleshooting equipment and/or systems. Must be able to monitor and assist Watchman in the security system cameras. Follow all safety protocols. Perform sample collections, analyzes water samples. Assist in the delivery and unloading of chemicals. Perform related duties through the computer work station, SCADA system.
- Performs related work as required.

∴

KNOWLEDGE, ABILITIES AND SKILLS:

- Must be able to do mathematical calculations.
- Must be able to read, write, speak and understand English sufficiently to perform the duties of

Springfield Water and Sewer Commission

this position.

- Must possess skill in computer programs such as Microsoft Word and Excel
- Considerable knowledge of the principles, procedures, practices, methods and techniques of operating water treatment machinery and equipment.
- Working knowledge of occupational hazards and standard safety practices and procedures of water treatment plants.
- Working knowledge of American Water Works Association manuals of practice, including safety manuals, pertinent to the class.
- Must be able to safely operate a variety of specialized water treatment machinery.
- Must be able to understand and follow written and oral instructions, including plans and sketches.
- Must be able to read meters, gauges and recorders, to make indicated adjustments, and to prepare operating reports.
- Must be able to detect and correct malfunctions of assigned water treatment machinery and equipment.
- Must be able to establish and maintain effective working relationships with staff and supervisors.
- Must read and understand MSDS sheets for chemicals. Must read and understand Massachusetts water regulations and Springfield Water and Sewer Commission standard operating procedures (SOP's).

CERTIFICATES, LICENSES, REGISTRATIONS:

- **Must possess and maintain a Grade 2T Operator in Training (OIT) certificate of water treatment plant operator for the facility as issued by the Massachusetts Board of Certification of Operators of Water Treatment Facilities.** Within one (1) year must possess and maintain a Grade 3T Operator in Training (OIT) certificate of water treatment plant operator as issued by the Massachusetts Board of Certification of Operators of Water Treatment Facilities.
- Must possess and maintain a current Massachusetts Driver's License.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

- The employee must regularly lift and carry small packages of up to 20 pounds. The employee must be able to lift and carry boxes of supplies, materials and equipment weighing up to 50 pounds necessary to perform job functions.
- Must be able to negotiate slopes and rugged terrain, climb ladders, work in confined space including below ground pits.

EXPERIENCE AND TRAINING:

- Experience in the operation of water treatment machinery or equipment; or considerable experience in the operation of closely related industrial process, or similar equipment and machinery.
- Graduation from a standard high school or vocational school supplemented by college level or technical school courses in water treatment or closely related fields.
- Must be computer trained.

Springfield Water and Sewer Commission

- Must complete a minimum of one year on-the-job training. After successfully completing training the OIT will be promoted to an operator. Operator in Training will be evaluated quarterly during the training period

Please submit a cover letter describing your interest and qualifications for the position and a resume highlighting relevant work experience.

The Springfield Water and Sewer Commission is an AA/EOE.