JOB TITLE: ELECTRICIAN

The Springfield Water and Sewer Commission (SWSC) is seeking a highly motivated and innovative candidate to work as a **MAINTENANCE ELECTRICIAN**. This is a non-exempt position involving various tasks and inspections of a technical nature to insure the proper repair and maintenance of Commission equipment and properties.

About SWSC: SWSC was established in 1996 as an independently operated and managed regional water and wastewater utility. SWSC employs approximately 250 people in roles ranging from engineering, laboratory, construction, union labor, customer service, and professional services, all of which serve 250,000 retail and wholesale customers in the lower Pioneer Valley through a regional water and wastewater infrastructure system. Governing oversight is provided by a three-member Board of Commissioners, appointed and approved by the Mayor of Springfield and City Council, with an executive director managing day-to-day operations. SWSC is not affiliated with any department of the City of Springfield and maintains its own budget, personnel, assets, policies, and procedures.

Mission Statement: SWSC's mission is to provide an adequate, uninterrupted, high-quality supply of water to our customers, to collect and treat wastewater, and return clean water to the environment. www.waterandsewer.org

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Installs power supply wiring and conduit for newly installed machines and equipment such as conveyors, and programmable controllers.
- Connects power supply wires to machines and equipment, and connects cables and wires between machines and equipment.
- Diagnoses malfunctioning apparatus such as transformers, motors, and lighting fixtures and replaces damaged or broken wires and cables.
- Tests malfunctioning machinery and discusses malfunction with other maintenance workers, such as Maintenance Machine Repairer, to diagnose malfunction.
- Replaces faulty electrical components of machine such as relays, switches, and motors, and positions sensing devices.
- Diagnoses and repairs or replaces faulty electronic components, such as printed circuit boards.
- Replaces electric motor bearings and rewires motors.
- Cleans, adjusts, maintains, repairs, tests and calibrates electrical, electronic, hydraulic, pneumatic and mechanical measuring, gauging, indicating, recording, transmitting, and sensing devices, timers, and control instruments and related devices.
- Pushes buttons and presses keys on controllers, teach pendant, and programmable controller to program automated machinery, to operate automated machinery, to test for malfunctions, and to verify repairs.
- Plans layout of wiring and installs wiring, conduit, and electrical apparatus in buildings.
- Assigned to any of the Springfield Water and Sewer Commission properties or elsewhere when necessary.

EDUCATION AND EXPERIENCE:

- Must possess and maintain a Journeyman Electricians license.
- Must possess and maintain a current Massachusetts Driver's license.
- Must have a minimum of 5 years as an electrician in high voltage electrical work.
- Graduation from high school/GED combined with training from an industrial or technical school/college.
- Considerable knowledge of the principles on which electric, electronic, communication, pneumatic, hydraulic, mechanical, and other types of instruments and automatic control devices operate, the functions of their component parts, and their use in process control loops.
- Working knowledge of occupational hazards and standard safety practices and procedures of the trade, including familiarity with recognized safety manuals.
- Must be able to diagnose electrical/instrumentation malfunctions and have the ability to read and interpret plans, diagrams, blueprints or manufacturers' instruction manuals to diagnose malfunctions.

This is a non-exempt position with a starting pay rate of $28.50 per hour.

Qualified candidates should send their resume and cover letter to:
Stephanie.douglass@waterandsewer.org. No phone calls, please.

EOE/AA