

ELECTRICIAN

SOUTH ESSEX SEWERAGE DISTRICT

50 Fort Avenue, Salem, MA seeks qualified applicants for the position of Electrician. To obtain the application information and submittal requirements package for this position, contact Anita Runne' at 978-744-4550 ext. 158 or arunne@sesd.com. Comprehensive Benefits Package EOE

ELECTRICIAN

Definition

Skilled technical and mechanical work maintaining and repairing electrical operating and control systems, equipment and fixtures of the wastewater treatment plant, pumping stations, and other facilities; all other related work as required.

Recommended Minimum Qualifications

Education and Experience

High school graduation, or equivalent, and advanced technical training with engineering and electronics highly desirable; six to eight years electrical experience, of which three to four years should be in three-phase, 480-volt or higher, and three to five years in industrial; or an equivalent combination of education and experience.

Special Requirements

Massachusetts Journeyman Electrician's License
Massachusetts Driver's License.

Knowledge, Ability and Skill

Knowledge. Knowledge of electrical systems and control systems related to wastewater treatment machinery, equipment and other facilities. Thorough knowledge of how these systems are repaired and maintained. Knowledge of approved methods, practices, code requirements and safety standards.

Ability. Ability to prepare routine maintenance reports and maintain accurate records. Ability to perform limited supervisory duties. Ability to react promptly and efficiently in emergencies. Ability to interpret technical manuals, specifications, wiring diagrams, schematics and codes; ability to use hand and power tools.

Skill. Excellent communication skills, both oral and written.

Physical Requirements

Moderate to strenuous physical effort generally required to perform work, including bending, walking, climbing, reaching, and standing. Frequently required to move (push, pull, lift or carry) objects weighing up to 80 pounds. Sometimes works in confined areas for extended periods of time. Must be able to access all areas of a multi-level facility. Frequently required to operate hand, power, and various tools, such as drills, saws, hydraulic punches and cutters, standard and special electrical tools and equipment, such as voltmeters, ammeters, and synchrosopes requiring manual dexterity. Excellent eye sight (sharp, close, distance, color, peripheral, and depth vision) and

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hearing well within normal ranges.

Supervision

Works under the general supervision of the Electrical Foreman or the Assistant Superintendent of Maintenance.

Performs responsible technical and mechanical functions requiring the knowledge of proper technical methods.

Job Environment

Work is generally performed under shop and field conditions, with potential exposure to loud noises, heights, toxic or caustic chemicals, fumes or airborne particles, near moving parts, and frequent risk of electrical shock; some work is performed outside, with exposure to variable weather conditions.

Has contact with District staff and some contact with vendors.

Errors in judgment could lead to danger, delay or loss of service, damage to equipment, injury to self and others, and legal ramifications to the District.

Adheres to the District's safety rules, regulations and policies.

Essential Functions

The essential functions or duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is related, or a logical assignment to the position.

Inspects, repairs and maintains electrical, electrical/mechanical, and/or electronic operating and control systems, equipment and fixtures, including power, lighting, heating and cooling systems.

Inspects, repairs and installs new wiring outlets, panels and meters.

Prepares labor and materials estimates.

Assists in keeping maintenance records.

Provides limited supervision to the electrical/instrumentation helper.

Performs high voltage switching and coordinates switching in the absence of the Electrical Foreman.

Cleans work area after repairs.

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