



City of Rapid City Solid Waste Electrician Position Description

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Job Title: Solid Waste Electrician
Department: Solid Waste
Division: MRF
Reports To: Solid Waste Maintenance Chief
FLSA Status: Non-exempt
Classification: AFSCME

Grade: 15
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Approved By: Dale Tech
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SUMMARY

The Solid Waste Electrician is responsible for maintenance and repair of electrical equipment for all Solid Waste facilities, ensuring proper electrical code and all safety procedures are followed.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Essential Duties and Responsibilities include the following; other duties may be assigned:

1. Maintenance and repair of MRF and Landfill electrical facilities and equipment.
2. Provides predictive and preventive maintenance on all MRF and Landfill electrical equipment, including motors and motor control centers.
3. Calibrate sensors, meters, and other electronic devices.
4. Inspect, clean and perform maintenance on motor controls center, electric motors and related equipment and repairs electronic components of HVAC systems, including repairs to furnaces, boilers and unit heaters.
5. Knowledge of programs and troubleshooting of SCADA system and programmable logic controllers.
6. Provide recommendations and installation of system upgrades to provide more efficient and economical operation of electrical systems.
7. Evaluate purchases, installs and sets up new equipment, modifies existing equipment, and creates and updates supporting schematics, procedures and documentation.
8. Assist maintenance staff as needed with facility maintenance tasks
9. May receive after-hours calls to perform needed repairs to electrical equipment.

MINIMUM QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily individually or with an assigned assistant. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience: High school diploma or general education degree (GED) and one (1) year certificate from an accredited college or technical school and six (6) years directly related experience in electronics technology or electrical wiring.

Communication Skills: Ability to read and interpret documents such as safety rules, operating and maintenance instructions, and procedure manuals. Ability to write routine reports and correspondence. Ability to speak effectively before groups of customers or employees of organization. Ability to effectively and professionally communicate with internal staff and external contacts such as vendors and members of the public.

Mathematical Skills: Ability to work with mathematical concepts such as probability and statistical inference, and fundamentals of plane and solid geometry and trigonometry. Ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations.

Reasoning Ability: Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists. Ability to interpret a variety of instructions furnished in written, oral, diagram, or schedule form.

Computer and Administrative Skills: To perform this job successfully, an individual should have proficient working knowledge of Microsoft Office® products, programmable logic controllers and SCADA systems. Must possess proficient working knowledge of web-based software skills.



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Certificates, Licenses, Registrations: Must possess a valid South Dakota Driver's license or ability to obtain within 30 days from date of hire. Must possess a valid South Dakota Master Electrician License and a Rapid City Electrical Contractors License or ability to successfully obtain within 120 days from date of hire.

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. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is regularly required to use hands to finger, handle, or feel and reach with hands and arms. The employee is frequently required to stand; walk; sit; climb or balance and stoop, kneel, crouch, or crawl. The employee is occasionally required to talk or hear. The employee must frequently lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, depth perception and ability to adjust focus.

Work Environment: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. While performing the duties of this job, the employee is regularly exposed to risk of electrical shock. The employee is frequently exposed to outside weather conditions. The employee is occasionally exposed to moving mechanical parts; high, precarious places and fumes or airborne particles. The noise level in the work environment is usually moderate.

OTHER SKILLS AND ABILITIES

Demonstrated knowledge of provisions of the City and related electrical codes, methods, materials and techniques of electrical trade, of safety precautions and practices. Ability to read and interpret engineering plans and construction drawings, calculations, specifications, and details. Demonstrate compliance with all codes and safety rules pertaining to working with electricity and electrical equipment.

MISC.

May be required to attend/travel to local, regional, and/or national meetings, conference, trainings as needed.