



## **Job Description – Electrician Lawler-Wood Y-12, LLC**

### **PRIMARY FUNCTION:**

Under the supervision of officials responsible for the coordination and accomplishment of facility maintenance and operation work, perform the duties required of an electrician in a safe and efficient manner, following recognized industry standards for such work.

The following describes the major functions of the job but is not intended to be all-inclusive:

### **JOB DUTIES AND RESPONSIBILITIES:**

Repairs, installs, replaces and tests electrical circuits, equipment and appliances using necessary hand tools and testing instruments:

1. Inspects and tests electrical lighting, signal, communication and power circuits and equipment.
2. Isolates defects in wiring, switches, breakers, motors, starters and other electrical equipment using testing instruments; adds additional circuitry as needed.
3. Examines and tests elements of electrical systems to locate obvious faults, such as blown fuses, short circuits, broken wires, loose connections and worn motor brushes.
4. Replaces faulty switches, sockets, plugs, fuses, insulators and other elements of electrical systems, fixes and appliances.
5. Renews circuits either by isolating and cutting out defective wiring and replacing it with new wiring or by splicing ends of broken wires.
6. Replaces defective equipment parts such as gears, bushings and bearings and other related electrical parts.
7. As required, estimate materials needed and record time and materials expended on each work order.
8. Provide work direction when Laborer/Mechanic Helper is assigned to assist.
9. Install repair and maintain voice/data cabling and all terminations.
10. Observe and report, through the work order system, any and all defects, deterioration and wear and tear on the facilities.
11. Drawings and equipment manual will be utilized as needed.
12. Perform all other duties as assigned, which may include work in assistance of others.

### **JOB QUALIFICATIONS:**

Skill in specific job duties must be acquired during probationary period. Reasonable physical abilities are required to perform job duties.

Must qualify to obtain or possess and maintain an active DOE level “Q” clearance.

Must have completed an approved Electrical Apprenticeship Program or equivalent training and experience with an additional five (5) years experience or have a minimum of seven (7) years on-the-job training in industrial electrical maintenance.

Two (2) years experience Voice/Data Cabling installation, trouble shooting and repair.

## **EDUCATION:**

High School Graduate or GED

## **REQUIREMENTS:**

- Must pass all Y-12 on-site training in a timely manner (e.g., GET).
- Must possess and maintain a valid Tennessee Drivers License.
- Must pass a Pre-Employment Drug Screen and Random Testing.
- Pass Pre-Employment Physical.
- Must have the ability to read and understand written instruction and procedures.
- Must be able to read and understand wiring diagrams and equipment manuals.
- Must have the ability to climb steps and ladders, bend, stoop, push pull and lift up-to fifty (50) pounds on a routine basis.
- Must be able to work outside in hot or cold conditions.
- Must have the ability to wear all prescribed safety equipment including a respirator.
- Must be willing to work overtime as required.
- Must be willing to work alternate shift arrangements as may be required.