

Plant Electrician

Job Description:

PRIMARY PURPOSE:

Perform skilled journey-level work in the construction, maintenance and repair of electrical and electronic equipment, apparatus and fixtures used at power generation plants.

RESPONSIBILITIES/ ACCOUNTABILITIES:

May be responsible to perform a combination of the following duties based upon job assignment:

- Inspect, maintain repair and overhaul electromechanical and solid state electrical equipment, using a variety of electrical test equipment, meters, powered and non-powered tools and equipment.
- Install new electrical and electronic equipment and electrical wiring according to the National Electrical Code and company electrical standards.
- Maintain and repair electrical and electronic systems for Project facilities and equipment.
- Perform high voltage switching and operate generators in support of operations.
- Work safely and cooperatively with co-workers and the public.
- Cut and remove trees, branched and brush in close proximity to energized power lines.
- Lead a work party in performing maintenance or repair work.
- Other related incidental work as needed.
- Comply with and practice proper equipment clearance procedures.
- Perform all work in compliance with applicable codes, standards, safety and environment regulations.
- Responsible for station lockout/tagout procedures as mandated by company policy.

General Qualifications

SKILLS/ COMPETENCIES:

- Methods, equipment and materials used in the electrical trade.
- General knowledge of health, safety and environmental regulations.
- Applicable laws, codes, regulations, policies and procedures.
- Basic First Aid procedures.
- Principles of electronic theory as applied to electrical and electronic circuits, wiring and electrical equipment used in power generation

- Theory of operation and use of Programmable Logic Control (PLC) units and other computer based equipment.
- Proficient written and verbal communication skills.
- Analyze situations accurately and adopt an effective course of action.
- Work from blueprints, shop drawings and sketches.
- Work independently with little direction.
- Establish and maintain cooperative and effective working relationships with others.
- Install, including programming, and troubleshooting PLC based equipment.

DEGREES/ CERTIFICATES/ LICENSE/ EXPERIENCE:

Required:

- High School diploma or equivalent.
- Completion of a recognized vocational education program in electrical or industrial electrical or industrial training –OR- completion of a recognized Electrical Apprenticeship Program and three out of the last five years' journey-level experience as an electrician in the industrial maintenance field
- Possession and maintenance of valid drivers' license.
- First Aid, CPR and forklift certification required prior to the completion of probation with maintenance thereafter.

PHYSICAL REQUIREMENTS/WORKING CONDITIONS:

- Requires climbing, standing, bending and lifting heavy objects in awkward and confined spaces using proper lifting and rigging techniques.
- Subject to exposure to fumes, dust and high levels of vibration.
- Subject to exposure to high noise levels required ear protection.
- Subject to working near moving parts of heavy machinery and high voltage equipment where the use of appropriate protective/safety equipment is required.
- Subject to working at heights and in adverse weather conditions.
- Work includes indoor and outdoor environment.
- May be subject to after duty call-outs.