

**Position:** Journeyman Electrician

**Department:** Maintenance

**Location:** Detroit Property/Windsor Property

**Core Duties:**

- Reporting to the Director of Plant & IT Technology.
- Performs skilled electrical work in the installation, maintenance and repair of all electrical wiring, apparatus, systems, fixtures, motors, and other equipment in accordance with specifications and codes.

**Duties:**

1. Plans/details of working procedure by determining replacement needs or new material required and develops a logical approach to correct the problem.
2. Analyzes and corrects electrical problems, repair and over-haul electrical equipment and controls.
3. Analyzes circuits, wiring diagrams and drawings to install, repair, calibrate, service or replace electronic devices and systems.
4. Receives wiring diagrams, specifications and instructions from supervision covering emergency and scheduled repairs, installation and electrical inspection work to be performed.
5. Performs work requiring a thorough knowledge of electrical theory and principles, statutory codes, properties of materials and principles of operation of electrical equipment.
6. Starts up and shuts down equipment in accordance with company safety procedures for machine activation and shutdown and in line with OSHA/MOL (Ministry of Labor) requirements.
7. Services electronic equipment by checking, testing, and replacing faulty components, circuits, printed circuit boards, and similar electronic devices.
8. Installs, repairs and maintains communication cables, power distribution cables, then splices pieces as required.
9. Fabricates parts if not commercially available, using machines and hand tools common to the trade.
10. Determines need for, analyzes and makes necessary running adjustments, repairs and overhauls.
11. Advises and cautions operators and mechanics about potential electrical problems and inherent dangers involved.
12. Notifies supervision of potentially dangerous electrical equipment noted and corrective action taken.
13. Performs minor maintenance of heating and refrigeration systems, boiler systems and furnaces.

- Qualifications:**
- Michigan Electrical Journeyman's License.
  - Satisfactory completion of formal apprenticeship training period.
  - Valid driver's license.
  - Ability to climb overhead structures, to work beneath machines and in close quarters performing analysis and repair work.
  - High degree of precision working with minimum tolerances required. High degree of attention and care required to prevent injury to others when responsible for the flow of electrical power.
  - Exposed to high voltage of electricity.
  - Experience with electronic and computer controlled equipment.

- Revised:**
- 01-28-2015