



JOB DESCRIPTION



POSITION:	<i>ELECTRICIAN</i>		
FLSA:	Non-Exempt	LOCATION:	DWT-Detroit
REPORTS TO:	Maintenance Supervisor	DIVISION/DEPARTMENT:	Operations/Maintenance

POSITION SUMMARY:

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, to ensure life safety systems at DWT are operating optimally; maintain all electrical panels on the property and within the ventilation building to keep equipment in working order and to keep facility fully functioning on a 24/7 basis.

CORE DUTIES/RESPONSIBILITIES:

- Plans details of working procedure by determining replacement needs or new material required and develops a logical approach to correct the problem
- Analyzes, corrects, repairs electrical problems, and over-hauls electrical equipment/controls
- Analyzes circuits, wiring diagrams and drawings to install, repair, calibrate, service or replace electronic devices and systems
- Receives wiring diagrams, specifications and instructions from supervision covering emergency and scheduled repairs, installation and electrical inspection work needed
- Performs work requiring a thorough knowledge of electrical theory and principles, statutory codes, properties of materials and principles of operating electrical equipment
- Starts up and shuts down equipment in accordance with company safety procedures for machine activation and shutdown and in line with MI/OSHA requirements including LOTO
- Services electronic equipment by checking, testing, and replacing faulty components, circuits, printed circuit boards, and similar electronic devices
- Installs, repairs, and maintains communication cables and power distribution cables
- Fabricates parts if not commercially available, using machines and hand tools common to the trade, and splices cable pieces as necessary
- Determines need for, analyzes and makes running adjustments, repairs, and overhauls
- Advises and cautions operators and mechanics about potential electrical problems and inherent dangers involved
- Notifies supervision of potentially dangerous electrical equipment noted and corrective action taken
- Performs minor maintenance of heating and refrigeration systems, boiler systems, and furnaces
- Works collaboratively with other skilled trades personnel (mechanics/technicians) in maintaining and repairing machinery, plumbing, physical structures, and electrical wiring and components, etc.
- Maintains safe working environment by complying with Company policies, rules, and regulations
- Performs all maintenance tasks needed on Detroit property as assigned by supervision
- All other duties as assigned



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REQUIREMENTS/QUALIFICATIONS:

- Michigan Electrical Journeyman's License, and Licensed to work in the City of Detroit
- Satisfactory completion of formal apprenticeship training period
- 2 years' experience as an Electrician in an industrial setting
- High School Diploma or equivalent
- 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
- Valid MI motor vehicle driver's license (with CDL preferred)
- Ability to use a portable communications radio
- Ability to work in tight space confined near moving traffic (tunnel)
- General knowledge of plumbing, electrical, construction, HVAC, machine operation, and electronic and computer-controlled equipment
- General knowledge of various types of equipment used in the building trades (hand, power & air (pneumatic) tools, jackhammer, mixer, self-propelled snow blowers, mechanized push sweeper, chain falls and jacks)
- Ability to troubleshoot electrical/mechanical problems on ventilation and other equipment
- Ability to perform general labor functions and to work in mechanically oriented situations
- General knowledge of plumbing, electrical, construction and air conditioning equipment
- Ability to work in an environment that is subject to dust, dirt, and grease conditions
- Ability to work in tight space confined near moving traffic (Tunnel), as needed
- Ability to operate forklift/front-end loader, bucket-lift truck, as needed
- Ability to operate cable hoist and automotive lift hoist, as needed
- Ability to climb (ladders, steps, etc.)
- Ability to lift minimum of 65 lbs.
- Ability to use a portable communications radio
- Ability to work autonomously, with little or no supervision
- Must be fully vaccinated for COVID-19