



Position: Electrician
Reports to: Maintenance Supervisor
FLSA: Non-Exempt

Position Summary:

This position follows established practices and procedures of the department and works independently, within the confines of safe practices, under the direct supervision of the Maintenance Supervisor or his/her designee to perform a variety of tasks related to the maintenance and repair activities of plant equipment and facilities. The problem solving of this position centers on the ability to repair and maintain plant electrical systems and apparatuses so that it will continue to operate safely and efficiently.

Functions and Responsibilities:

- Perform routine preventive maintenance on plant equipment and facilities as directed
- Perform corrective and emergency maintenance repairs as required on electrical equipment
- Perform inspections, equipment tests, trouble shooting, and monitoring of plant electrical systems and apparatuses
- Install conduit and cable runs, including the pulling and termination of cables in accordance with drawings or sketches
- Installs new and/or replaces motors, transformers, breakers and other electrical components and systems as designated
- Maintain electrical maintenance tools and equipment in a clean and safe condition
- Maintain records and reports as required for maintenance control
- Must be flexible with daily/weekly scheduled hours worked to perform emergency and routine work at night and weekends
- Must communicate with, direct and oversee electrical contractors, including developing and refining project scopes
- Available for call-ins
- Other duties as assigned

Desired Education/Experience:

- High school diploma or trade school equivalent
- 5 years' accumulative experience in electrical repair and maintenance of power plant facilities or similar industry
- Master Electrician's license
- Possess a valid Maine Class C Vehicle Operator's License and be insurable by ecomaine

Knowledge, Skills, and Abilities:

- Able to give, take, and follow oral and written instruction
- Able to communicate clearly with the public, vendors, buyers, and ecomaine staff and supervisors

Continued...

- Able to establish and maintain effective working relations as necessitated by work assignments
- Able to lead and participate in semi-skilled tasks that may involve considerable physical exertion for periods of time and under varying conditions
- Able to work as a team with a high degree of productivity
- Able to lead and participate in highly skilled maintenance tasks
- Able to make quick and accurate decisions
- Able to solve problems
- Knowledgeable in plant equipment operation and requirements as pertains to position
- Able to maintain records and reports of activities as required
- Able to perform and follow an effective Job Safety Analysis prior to each job being performed
- Able to read, understand, and apply safety rules and regulations
- Working knowledge of Microsoft Office applications (Word, Excel, Power Point, Outlook)
- Able to detect and evaluate electrical problems and provide for appropriate corrective measures
- Broad knowledge of industrial electrical applications as they relate to power plant functions
- Complete knowledge of all plant low, medium and high voltage electrical systems
- Knowledgeable in high and low voltage plant generating equipment, protective relays, transformers, motor controls, arc-flash, and NFPA70E standards
- Knowledgeable in medium and low voltage motor controls, switchgear, electric circuits and protective relays
- Knowledgeable in reading and understanding drawings and specifications as they relate to repair and operations of plant electrical equipment and instrumentation
- Proficient in the use of precision testing instruments
- Able to use hand tools & power equipment in the performance of maintenance activities
- Proficient in trouble shooting malfunctioning equipment in all phases of plant/facility equipment

Working Conditions/Physical Demands:

- Please see the **ecomaine** Return to Work Policy