



Now Hiring

Electrician

Summary

This position assists in performing instrumentation, industrial computer, and electrical maintenance and construction as directed. This position reports directly to the Electrician Foreperson.

Principal Working Relationships

- Supervisor: Electrical Supervisor, Instrumentation Supervisor
- Others: Instrumentation, Industrial Computer, Electrical Techs, Factory Management, Operations personnel

Essential Job Duties

- The Electrician II assists Instrument Techs, Industrial Computer Techs, and Electrical Techs in their jobs.
- The Electrician II must strive to obtain the necessary qualifications needed to obtain the position of Instrument Tech, Industrial Computer Tech, or Electrical Tech.
- The Electrician II will do some maintenance and construction jobs on their own as their knowledge, skills, and experience progress.
- Keep work areas clean.
- Complete reports as required.
- Develop the process, electrical, instrumentation, and programming skills of self and others through training.
- Use people, time, equipment, and material in the most efficient manner.
- Report mechanical, electrical, instrumentation, environmental, food safety, feed safety, and operational problems, and unsafe conditions to supervisor.
- Other duties as required by the business.
- Adhere to all company policies and all safety, food safety, feed safety, and sanitation rules and programs

Qualifications

- Two year degree or diploma in an electrical or instrumentation field from an approved trade or technical school is desired
- Leadership and judgment qualities required.
- Process related experience and basic sugar processing knowledge desired.
- Should be motivated, willing, enthusiastic, and promotable.
- Good attendance, safety, disciplinary, and overall employment records.
- Organized with excellent time management skills
- Ability to communicate effectively with employees at all levels

Competencies and skill set required to do the job well

- Blueprint Reading
- Electrical Theory
- Power Supplies
- Basic Measurement Instrumentation
- Force, Weight, and Motion Measurement
- Level Measurement
- Final Control Elements
- Elements of Mechanics
- Electrical Measurements
- Energy Conservation
- Motor and Generator Maintenance
- Electrical Protective Devices
- Math
- Bearings
- Motor and generator maintenance
- Electrical Controls
- Electronic Theory
- Pneumatics
- Process Control
- Pressure Measurement

- Flow Measurement
- Temperature Measurement
- Safety Calibration and Testing
- Basic Sugar Processing
- Lubrication
- Electrical Troubleshooting
- AC and DC Circuitry
- Rigging
- Transformers
- Heating and Cooling Systems
- Electrical Construction
- Variable frequency drives (VFD's)
- Programmable logic controllers (PLC's)
- Electrical classified areas
- An Electrician II must be able to successfully demonstrate the methods involved in the wiring and maintenance of Minn-Dak's electrical systems and equipment. This includes all Control Technician III capabilities plus the following:
 - ▶ Know Minn-Dak's controls
 - ▶ Know Minn-Dak voltages and location of MCC's and panel boards
 - ▶ Know how to trouble shoot and repair VFD's at the board and semi conductor level
 - ▶ Know how to get into Minn-Dak PLC program to trouble shoot field devices
 - ▶ Fill in for rotating shift

Physical Demands and Expectations

- Lift
- Bend
- Walk
- Climb stairs

Application Process:

All interested and qualified individuals are encouraged to provide a resume, and cover letter. Please email to jobs@mdf.coop or mail to:

Minn-Dak Farmers Cooperative

Attn: Zane • 7525 Red River Road • Wahpeton, ND 58075
701.671.7777