

Electrical/Instrumentation and Control Technician I or II

Open Date: 9/13/2023

OPEN UNTIL FILLED



Department/Location: Office of Chief Ops Officer/Williston, ND

Company: Basin Electric Power Cooperative

Position Purpose:

This position is responsible to execute maintenance tasks safely, efficiently, and effectively. The incumbent is responsible to provide installation, maintenance, troubleshooting, and operation of all plant instrumentation, controls, computer equipment, electrical, and electronic apparatuses of any design voltage on the plant site.

Essential Functions:

- Maintain the electrical and instrumentation hardware and software, preventive maintenance and repair, and calibration of all plant electrical and instrumentation equipment to ensure smooth generation system operation. Systems maintained and calibrated include, but are not limited to, continuous emission controls, combustion controls, electrical generation controls, burner controls, water treatment plant controls, electrical relays, analyzers, process scales, networks, computers, servers, and results laboratory instrumentation.
- Direct activities of other support or contract personnel and other delegated functions in the absence of the Maintenance Supervisor.
- Troubleshoot plant electrical and instrumentation and control systems to return to service in a timely manner.
- Maintain accurate records and reports.
- Proactively support Job Safety Analysis (JSA) and plant policies and procedures pertaining to safety.
- Develop preventative maintenance procedures.
- Maintain all Ammonia training in reference to Homeland Security and the Risk Management Plan
- Perform LOTO clearance verifications when needed.
- Perform and support all planned outages with contractors.
- Ensure that tools and equipment are in sound working condition, and perform any other duties, as assigned.
- Regularly works on energized circuits of up to 4160 volts alternating current (AC) and/or 600 direct current (DC), and near circuits of 345 kilovolt (KV) AC and less.
- Perform ground maintenance.

Qualifications:

Electrical/Instrumentation and Control Technician II:

To perform effectively in this position, the incumbent must have the ability to read, write, and follow instructions, and must possess a working knowledge of electrical drawings, troubleshooting, and repairs at a level acquired through the completion of a two-year electrical, electronic or instrumentation and control program, and two years of related electrical experience as an Electrician or Instrumentation Technician; or an approved electrical apprenticeship and two years of related electrical experience. One year experience as an Electrician or Instrument Technician at an operating industrial or power plant is required. This position requires a high degree of proficiency in both electrical and instrumentation. Experience working on low-voltage and medium-voltage equipment, and with computers, common operating systems, and productivity software is required. Experience in working with Programmable Logic Controllers (PLC's) is preferred. The incumbent will become proficient in both instrumentation and electrical fields through training and experience. The incumbent must have a valid driver's license.

Electrical/Instrumentation and Control Technician I or II Continued

Electrical/Instrumentation and Control Technician I:

To perform effectively in this position, the incumbent must have the ability to read, write, and follow instructions, and must possess a working knowledge of electrical drawings, troubleshooting, and repairs at a level acquired through the completion of a two-year electrical, electronic or instrumentation and control program, and three years of related electrical experience as an Electrician or Instrumentation Technician. Two years' experience as an Electrician or Instrument Technician at an operating industrial or power plant is required. This position requires a high degree of proficiency in both electrical and instrumentation. Experience working on low-voltage and medium-voltage equipment, and with computers, common operating systems, and productivity software is required. Experience in working with Programmable Logic Controllers (PLC's) is preferred. The incumbent will become proficient in both instrumentation and electrical fields through training and experience. The incumbent must have a valid driver's license.

Typical Physical/Mental/Environmental Demands:

This position requires constant standing and walking, frequent sitting; and occasional climbing, bending, reaching, lifting/carrying up to 50 pounds, and pushing/pulling up to 25 pounds. This position also requires the use of tools such as pneumatic and hydraulic calibrators, electrical test equipment, electronic calibrators, oscilloscopes, signal generators, portable analyzers, impact wrenches, drill motors, grinders, drill press, and various hand tools. This position requires good color vision, hand coordination, finger dexterity, good hearing, and the ability to speak. The incumbent must be able to develop plans and goals, present information to others, and work under pressure to meet deadlines. This position frequently works in areas of electrical risks, and occasionally around dirt and dust, chemicals, extreme heat and cold, vibration, noise, poor ventilation, and at heights up to 500 feet, which requires the use of safety equipment, including a harness, in accordance with ANSI Z359 standards. This position must be respirator qualified and able to operate a motor vehicle. Overtime may be required as needed.

Applicants interested in this opening should go to <https://www.basinelectric.com> to apply.

Employees must apply through Inside Basin, by clicking on a position and signing into the Infor Application.
Basin Electric is an Equal Employment Opportunity Employer regarding race, color, religion, sex, sexual orientation, gender identity, national origin, disability, and veterans status.