



Job Title:	I&E Technician	FLSA Status:	Non-Exempt
Department/Group:	Support	Job Code:	
Salary Range:	\$22/hr.- \$32/hr., DOE	EEO Category/Group:	Technician
Pay Grade:		Workers Comp Code:	
Direct Report:		Travel Required:	More than 75%

Purpose:

The I&E Technician would provide instrumentation, electrical, and automation support and maintenance for our water sourcing, well testing, and treatment facilities to insure reliable, safe, and efficient operations.

Role/Responsibilities:

- Maintenance, calibration and troubleshooting of field instrumentation devices for process equipment including
 - Flow devices
 - Pressure devices
 - Temperature devices
 - Direct and inferential level measurement devices
 - Analytical equipment and instrumentation
- Installation, calibration, inspection, and troubleshooting of instruments and electrical equipment, in accordance with NFPA 70, NFPA 70E, ISA and Company Standards.
- Identify, interpret and effectively use drawings and documentation related to electrical and process controls including Electrical One-line diagrams, Elementary diagrams, wiring schematics, control schematics, P&ID's, Cause and Effect diagrams, Instrument Loop diagrams, Interconnect diagrams, etc.
- Interpret and troubleshoot PLC and DCS logic including ladder logic, function block, and structured text routines.
- Work safely on AC distribution systems from 12k volts to 120 volts.
- Troubleshoot, repair motor control circuits and equipment including VFD's, motors and motor control circuits.
- Develop written job plans for electrical and instrumentation projects.
- Develop written procedures for instrumentation and electrical equipment maintenance and inspection.
- Plan and direct procurement of repair parts and material for electrical and instrument systems for project and maintenance purposes.
- Be able to discuss and apply NFPA 70E to any electrical work scope both in theory and in everyday practice on the job.
- Support Plant Operations to minimize production impacts and enhance reliability.
- Maintain high standards of workmanship and professionalism while working as a member of a team or when working alone.
- Maintain the highest level of safety standards set forth by the company, and comply with all HSE policies and procedures
Other duties may be assigned

Qualifications:

- **Education, Experience and Skills Required:**
- HS Diploma
- Electrical Apprentice license is preferred.
- Certifications from trade schools and/or professional organizations are preferred.
- College coursework in electrical engineering and/or degree a plus.

- Minimum 2 years working experience in the process instrumentation and electrical trades, preferably in field applicable environments.
- Must be capable and willing to work overtime as required and participate in an On-Call rotation for 24/7/365 coverage of facilities.
- Must be able to respond to call outs within 30 minutes of notification.
- Prefer 1-3 years in Oilfield Industry
- Prefer technical/mechanical expertise
- Proficiency in English
- Able to use Microsoft Office, particularly Outlook (e-mail) and Excel (spreadsheets)
- Valid Driver's License
- Excellent communication skills
- Must have organizational and time-management skills

Physical Requirements:

- Ability to lift 50 pounds
- Involves sitting inside climate-controlled treatment unit for several hours each day
- Involves working from heights or tight spaces
- Moderate amounts of time spent outside in potentially extreme (hot and/or cold) weather
- Able to operate equipment and vehicles

Reviewed By:	Patrick Watrin	Date:	8/5/2020
Approved By:		Date:	
Last Updated By:	Patrick Watrin	Date/Time:	8/5/2020