

JOB DESCRIPTION

Title:	Engineering Associate II (Electrician/Instrumentation)
Department:	Engineering & Maintenance
Reports to:	Engineering & Maintenance Supervisor
Status:	Regular, Full-time, Permanent
Location:	Building 1503, Delta, BC
Prepared by:	Reagan Cherry
Prepared date:	August 2023

Summary:

The maintenance and engineering department oversees all building facilities and it's operations along with all plant equipment across the mechanical, electrical, control and automation and instrumentation, by following all cGMP policies and procedures to ensure the continuous and efficient operations of the facility and all equipment.

Primary Responsibilities (others may be assigned, as required):

- Work closely with the technical staff to ensure safe and reliable operation of process instrumentation and control systems
- Perform hands-on maintenance & repairs on industrial machinery
- Read and interpret drawings, schematics and electrical code specifications to determine layout of industrial electrical equipment and systems in non-classified and classified manufacturing areas (ie. Class I, Div.I & II)
- Install, test, and/or repair electrical wiring, receptacles, switch boxes, conduits, lighting fixtures and other electrical components as required in classified and non-classified areas
- Test electrical and electronic equipment and components for continuity, current, voltage and resistance with an ability to troubleshoot and determine the root cause when failures occur
- Install, maintain, troubleshoot, calibrate and repair industrial, electrical and electronic equipment supporting the production processes and facilities. This will include completing maintenance documentation and equipment logbooks as per Phyton procedures
- Assist with coordination of projects related to facilities/engineering expansion and improvement
- Provide guidance for essential parts to be kept in inventory and advise when required parts are not available
- Be available on call for response to plant emergencies and off shift requirements as needed

Competencies Required to Thrive at Phyton Biotech

- **Job/Technical Knowledge** • **Organization/Planning/Priority Management**
 - **Communication & Influence on Others** • **Self Awareness/Feedback**
- **Teamwork/Relationships/Customer Focus** • **Initiative & Drive** • **Strategic View**
Embodying Phyton Core Values

Approval Authorizations (GMP):

- Authorized to approve commission protocols and reports
- Authorized to approve risk assessments

Required Experience, Skills, & Abilities:

- Minimum 5 years' experience in industrial electrical maintenance with hands on experience working with classified electrical systems (i.e. Class I, Div. I & II)
- Red Seal (BCTQ) Certificate in Electrical (Electrical certification from other sources will be considered)
- Additional trade or tickets would be an asset (instrumentation mechanic, millwright, controls technology)
- Ability to troubleshoot existing equipment/system problems as they occur and provide immediate and long-term repairs
- PLC experience an asset. Computer system validation experience would also be an asset, but on the job training will be given to qualified candidates
- Working knowledge of process instrumentation (pressure, temperature, flow, pH, gas monitors, etc.), including proper use and working knowledge of test and measurement equipment (signal generators, HART calibrator, other instrument calibration equipment)
- Ability to understand and use P&ID diagrams, isometrics, schematics, panel layouts and other engineering documentation
- Fluent in English and proficient at documenting work activities in English per Phyton's procedures
- Ability to read and interpret electrical & mechanical drawings and provide technical assistance for the installation of new circuits, panels and related electronic and electrical systems
- Must be able to lift and move a minimum of 40lbs without assistance
- Ability to create and edit simple AutoCAD drawings preferred but not required
- Must be proficient using Microsoft Office suite of programs
- Detail-oriented with an eye for quality, accuracy and completing work on time in a safe and efficient manner
- Collaborative, but comfortable working autonomously with strong interpersonal and team skills

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