



**Position:** Mill Electrician / Instrumentation  
**Location:** Matheson, Ontario (Black Fox Mine Mill Site)  
**Job Category:** Full Time – Permanent

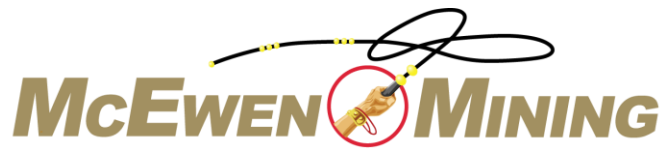
The Mill Electrician will report to the Mill Electrical Leader and will work closely with the Maintenance Department to advise technical, maintenance and operations departments on electrical matters to ensure safe, reliable and efficient operation and ensure compliance to provincial and federal codes and standards.

**Primary Responsibilities Include:**

- Responsible for the electrical infrastructure and overseeing the preventative and predictive efforts to ensure that our mine Mill meet operating cost and availability targets.
- Plan, direct, organize and supervise all electrical staff activities.
- Schedule, prioritize and manage all preventative maintenance for all electrical equipment and installations at the mill site.
- Oversee all instrumentation, PLC's across operation
- Prepare for power distribution.
- Conduct audits of systems, equipment and maintenance programs on a regular basis.
- Maintain all documentation, drawings and plans for equipment, power distributions, etc. up to date as changes are made.
- Liaison with mill operations to identify and correct reliability and productivity issues and/or participate in root cause analysis and incident investigations teams.
- Participates in appropriate training and complies within the scope of their responsibilities within the Environmental Management System.
- Works in compliance with McEwen Ontario's safety rules and the internal responsibility system.

**Qualifications and Skills Requirement:**

- Valid Ontario inter-provincial electrical trade qualification.
- Familiarity with reading electrical schematics and prints is necessary.
- 5 - 10 years of experience, preferably in Mill mining or similar environment is an asset.
- Self-starter with a solid technical background and proven troubleshooting skills.
- Minimum 3 years of mining, industrial or heavy commercial maintenance electrical experience.
- Good safety knowledge and understanding with the ability to recognize hazards and situations that may cause problems.
- Demonstrate proper use and care of tools, a working knowledge of rigging and overhead crane.
- Ability to troubleshoot electrical equipment using electrical schematics.
- Ability to splice and terminate up to 4,160 volts cables.
- Ability to properly use Megger (R) type insulation testers on cables, motors, transformers and other electrical equipment.
- Ability to size motor leads, starters and mother protective devices for installation.



- Ability to size cables and protective devices for distribution systems.
- Knowledge of general lockout, high voltage switching, lockout and grounding procedures.
- Ability to properly use a multi-meter.
- Read and interpret drawings, circuit diagrams, blueprints and electrical systems for Mill Equipment as VFD's, Soft Starts, Magnetic Starters and PLC's.
- Installation; splicing and connecting wires; installing switches, circuit breakers and lighting fixture; and testing after installation.
- Install brackets and hangers to support electrical equipment.
- Install, replace and repair lighting fixtures and electrical control and distribution equipment, such as switches, relays and circuit breaker panels.
- Test continuity of circuits using test equipment to ensure compatibility and safety of system, following installation, replacement or repair.
- Conduct preventive maintenance programs on electrical equipment and keep maintenance records.
- Repair and maintain all electrical equipment.
- Maintain lighting, switches and electrical equipment in safe working order.
- Install wiring circuits for extensions and additions to work sites.
- Carry out electrical fitting, and high voltage switching.
- Maintain communications and telecommunications systems for Mill Equipment.
- Ensure safe work practices.

#### **Physical Demands:**

The physical demands described here are representative of those that must be met by an employee to perform successfully the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to:

Type, sit at desk, climb stairs, work in hot and cold outdoor environment.

#### **Work Environment:**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee frequently works with a computer and may sit for extended periods of time. The employee is also expected to walk short distances and climb stairs. The work environment may be loud, damp and hot and/or cold.

#### **Statement of Job Description:**

This job description reflects management's assignment of essential functions and position responsibilities. Nothing in this job description restricts management's rights to assign or reassign duties and responsibilities to this job at any time.