



NASDAQ: ELBM
TSX.V: ELBM

PROCESS ENGINEER (CHEMICAL OR METALLURGICAL)

Location: Cobalt Refinery, Temiskaming Shores, Ontario

Reference No: 2022-024

Position Type: Full-time

Position Status: This position is being advertised to fill an existing vacancy.

Rate of Pay: Salary, commensurate with experience, skills, and qualifications.

ABOUT ELECTRA BATTERY MATERIALS

Electra is a leader in advancing North America's critical minerals supply chain for lithium-ion batteries. The Company's primary focus is constructing North America's only cobalt sulfate refinery, as part of a phased strategy to onshore critical minerals refining and reduce reliance on foreign supply chains. In addition to the Refinery, Electra holds a significant land package in Idaho's Cobalt Belt, including its Iron Creek project and surrounding properties, positioning the Company as a potential cornerstone for North American cobalt and copper production. Electra is also advancing black mass recycling opportunities to recover critical materials from end-of-life batteries, while continuing to evaluate growth opportunities in nickel refining and other downstream battery materials.

RESPONSIBILITIES

Below is a list of primary duties and responsibilities for the Process Engineer position at the Cobalt Refinery:

- Coordinate the chemical and/or metallurgical aspects of process engineering; including design, planning and development;
- Develop, configure and optimize processes throughout the commissioning and production phases;
- Provide technical support and detailed reviews of process design work including calculations, drawings and test work;
- Conduct metallurgical/material balances;
- Research and develop chemical systems and process applications;
- Oversee installation and operation of new systems to ensure equipment is installed and functioning according to specifications;
- May be required to support Metallurgical Lab activities when directed, ie; testing, QA/QC, reports;
- Collaborate closely with technical and production personnel to assess and maintain processes; monitor processing circuits and develop key performance indicators and daily reports;
- May be required to work directly on shift with operations during commissioning and startup phases of the refinery;
- Monitoring performance of the overall metallurgical processes and recoveries;
- Develop and maintain SOP, product design and engineering guidelines and other relevant documentation to support efficient processes and technology implementation;

- Establish quality control guidelines for the production process;
- Identify and interpret test work and other data in process design criteria;
- Conduct chemical and physical analytical studies and production testing;
- Manage troubleshooting, process development, and continuous improvement projects;
- Ensure processes comply with health and safety standards; and,
- Other duties as assigned by management.

QUALIFICATIONS

- A Bachelor's degree in Chemical or Metallurgical Engineering or equivalent with Ontario Professional Engineering (P.Eng.) status is an asset, the company would not discourage recent graduates from applying as an Engineer in Training, also Chemical Technologists may be considered;
- Minimum 3 years' of relevant experience as a Chemical or Metallurgical Engineer required;
- Extensive design, commissioning and operational experience of chemical or metallurgical processes preferred;
- Knowledge of materials analytical methods considered an asset;
- Must be local or willing to relocate to Temiskaming Shores, ON;
- High proficiency of Microsoft Office applications;
- Proven ability to work in a team environment demonstrating excellent communication skills;
- Strong analytical skills with attention to detail and accuracy;
- Superior organizational, problem solving and time management skills; and,
- Excellent written and oral communications.

WHY JOIN ELECTRA BATTERY MATERIALS?

Together, we will power a better path forward. Be a part of a fast-growing team, as we succeed in becoming North America's first integrated battery materials park, providing battery grade materials for the electric vehicle revolution. Our success is contingent on the hard work and dedication of our people. Electra Battery Materials rewards team members through:

- Recognition and results-driven compensation
- Training and development opportunities
- Culture where innovation is rewarded
- Health and wellbeing
- Ongoing communication and two-way feedback

If you are a passionate, committed, and dynamic individual, please submit your resume in confidence to careers@ElectraBMC.com. Please note that only qualified candidates selected for an interview will be contacted.

Electra Battery Materials is an equal opportunity employer. We are committed to providing an environment of mutual respect and we believe that diversity and inclusion among our team members is critical to our success. We are committed to creating an inclusive environment for all employees and decisions to hire or promote will be based on merit, competence, performance, and business requirements.