Geologist/Engineer, Ground Freezing (42751)
Location: ***McArthur River***

The Role

Reporting to the senior geologist, ground freezing and chief engineer, you will be responsible for leading a large-scale underground freeze drilling program from design of collar and hole to hole completion and as built. You will also participate in the design of the ground freeze distribution, provide technical input to the ground freezing system maintenance and modeling of ground freezing progression in accordance with Cameco safety policies and regulatory commitments.

In this role, you will:

- Collaborate with site and corporate stakeholders to design freeze structures based upon provided development and production criteria.
- Coordinate with site's long-range planners to develop detailed drilling, construction and activation schedules to meet established life of asset timelines for development and production.
- Produce thermal models of freeze structures to optimize freeze and development designs.
- Provide technical oversight and support for freeze drilling, construction and activation programs to ensure quality control and adherence to Cameco's specifications.
- Prepare technical submissions related to the commissioning and decommissioning of freeze structures to provide to regulatory agencies.
- Monitor ground temperatures, maintain temperature records, and initiate change notifications to proactively manage anomalous trends to ensure operational continuity and minimize thaw.
- Monitor freeze plant performance metrics and recommend operational strategies to meet ground loading requirements.
- Forecast freeze plant loading requirements to predict capacity demands.
- Maintain strong relationships with clients, team members and various site departments.
- Be committed to developing a strong safety and environment culture, promoting it through Cameco's safety, health, environment, and quality (SHEQ) management systems.

Required:

- bachelor's degree in geological, geotechnical or mine engineering or geology;
- a minimum of five years of experience in the mining industry, particularly in underground drilling, hole completions or project lead roles;
- equivalent combination of education and work experience considered;
- professional Engineer (P. Eng) or professional Geoscientist (P. Geo) designation;
- a strong understanding of underground drilling environment and techniques including drilling additives and cements, and drilling in adverse geological conditions;
- demonstrated leadership experience managing technical teams and complex projects;
- excellent communication, interpersonal, and analytical skills; and
- work a rotational schedule and commute to site by aircraft.

Recommended:

- experience with SAP, or similar software;
- proficient in Microsoft Office/MS365 software;
- ability to design in VULCAN or Deswik 3D modelling Software; and

- familiarity with schematics and technical specifications related to process fluid distribution in various environments.

Conditions of Employment:

- pre-employment substance test; and
- driver's license.

Cameco is proud to offer a competitive total reward package which includes:

- competitive compensation program with base and variable pay;
- flexible health, drug, dental, and vision plan with a health spending and personal spending account;
- fixed benefits including employee and dependant life, AD&D, disability benefits and paid vacation leave;
- Employee and Family Assistance Programs;
- RRSP and RPP matching program;
- career development opportunities; and
- relocation costs.

Cameco is an employment equity employer and aims to achieve gender parity, and as such, preference will be given to qualified members of equity groups. We are strengthened by the diverse backgrounds of experiences and encourage applicants with various levels of expertise to apply, as equivalent combination of education and work experience are considered.

To explore this career opportunity, please visit
https://career17.sapsf.com/sfcareer/jobreqcareer?jobId=42751&company=Cameco

Deadline for applications is December 29, 2026. Please quote competition number 42751.