



Sr. Engineer, Mine (42205)
Location: Cigar Lake, SK

About Us

Cigar Lake, located in northern Saskatchewan, is the world's highest-grade uranium mine. The uranium produced at Cigar Lake is used for nuclear fuel products, which utilities around the world rely on to generate safe, reliable, emissions-free nuclear power. Cameco is one of the largest global providers of the uranium fuel needed to power a secure energy future.

The Role

As part of the Cigar Lake team, you will contribute your mine engineering expertise with a strong focus on underground ventilation system design, optimization, and performance monitoring to support safe and efficient mining of a challenging orebody. This role is critical in ensuring that ventilation systems are effectively designed, implemented, and maintained to meet regulatory and operational requirements.

In this role, you will:

- Maintain a focus on safe conditions, leading ventilation design, planning, and optimization for underground development and production areas.
- Own and maintain the ventilation model, ensuring it reflects current and planned mine conditions.
- Review and analyze ventilation performance data and implement corrective actions as required, ensuring compliance with regulatory requirements and site procedures related to ventilation, monitoring, and system audits.
- Lead ventilation-related risk assessments and support incident response (e.g. ventilation failures, re-entry planning).
- Support the overall mine engineering function by ensuring alignment between mine ventilation design and operational conditions, while maintaining consideration for short- and long-term mine plans.
- Contribute to ground control strategies and integration with development sequencing.
- Collaborate with operations, maintenance, and technical services departments to resolve complex underground challenges.

Required:

- Bachelor's degree in an engineering discipline (mine, geological, geotechnical, mechanical, or similar), with significant experience in underground mine ventilation design and operation;
- seven to 12 years of progressive underground mining experience, with significant experience in mine ventilation design and operation;
- eligibility for registration with the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS);
- Professional Engineer (P. Eng.) designation;
- proficiency with ventilation modelling software, preferably VentSim;
- demonstrated ability to interpret and act on ventilation monitoring data;
- experience integrating ventilation requirements into mine planning and scheduling, particularly Vulcan and Deswik;
- demonstrated leadership experience working with technical teams and complex projects;
- equivalent combination of education and work experience considered; and
- work a rotational schedule and commute to site by aircraft.

Recommended:

- experience with Ground Control and/or Geotechnical Modelling;
- experience in high-grade mines with geotechnically complex underground mining environments;
- familiarity with regulatory requirements and ventilation auditing processes in Saskatchewan or similar jurisdictions; and
- experience supporting emergency response planning related to ventilation systems.

Conditions of Employment:

- pre-employment substance test.

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.

This position is eligible for the employee referral bonus.

Req ID #: 42205

Posted: 4 June 2026

Posting end date: 25 June 2026

Salary Range: \$148,070 - \$185,090

Safety Sensitive Site

Preference will be given to Residents of Saskatchewan's North (RSN).

The Cigar Lake operation is located in northern Saskatchewan and operates on a two week on/two week off rotational schedule. Employees commute to the site by aircraft from designated locations in Saskatchewan.

To explore this career opportunity, please visit

<https://career17.sapsf.com/sfcareer/jobreqcareer?jobId=42205&company=Cameco>