



Cameco

*Energizing a clean-air world*

## Safety and Health Management Program - Public Summary



### Introduction

The Cameco Corporation (Cameco) McArthur River Operation (McArthur River) is located approximately 630 kilometers north of Saskatoon, Saskatchewan. McArthur River holds a Uranium Mine Licence (Licence) from the Canadian Nuclear Safety Commission (CNSC) to prepare a site for, construct, operate, modify and decommission a nuclear facility for mining uranium ore, as well as an Approval to Operate Pollutant Control Facilities (Approval to Operate) from the Saskatchewan Ministry of Environment (SMOE).

The CNSC maintains Safety Control Areas (SCAs) through which they assess, evaluate, review and verify the compliance of their licensees. The Conventional Health and Safety SCA requires operators of licensed nuclear facilities to prepare a Safety and Health Management Program (SHMP) to manage workplace safety hazards, protect personnel and equipment, promote a safe and healthy workplace and minimize workplace health and safety incidents.

The McArthur River SHMP provides a summary of the safety and health requirements at McArthur River. Cameco developed the McArthur River SHMP with consideration for applicable regulatory requirements, industry standards, Cameco requirements and Cameco's Safety, Health, Environment and Quality (SHEQ) Policy. Cameco's SHEQ Policy recognizes the safety and health of its workers and the public, protection of the environment and quality of its processes as the highest corporate priorities during all stages of its activities. The McArthur River SHMP applies to all personnel working at McArthur River. The McArthur River SHMP requires acceptance by the CNSC prior to being revised and finalized.

### Safety and Health Management

The McArthur River SHMP discusses safety and health measures employed at McArthur River. At a high level, the safety and health activities are as follows:

- Personal Protective Equipment (PPE):
  - Basic PPE is worn by workers in required areas and Cameco provides specialized PPE as needed.
- Safety Meetings:
  - Supervisors conduct regular toolbox or job assignment meetings with workers; and
  - Department safety meetings are also completed regularly.
- 5-Point Safety System:
  - A 5-point Safety System is used to guide workers to check their workplace and equipment and to ensure that they are prepared and able to perform their duties safely.
- Safety Training
  - Safety training is provided to McArthur River personnel. This safety training provides personnel with the skills and knowledge to safely perform their roles.

- Job Task Observations (JTOs):
  - JTOs are utilized to review job tasks and assess and confirm compliance to McArthur River work practices and procedures; and
  - JTOs are performed on a routine basis and provide opportunities for mentorship and improvement of processes; especially processes deemed high risk.
- Job Hazard Analysis (JHAs):
  - JHAs are used to assess safety and health hazards for new or non-routine jobs that are not controlled by other means; and
  - In addition to JHAs, Field Level Risk Assessments (FLRAs) are used to provide a more robust means of identifying risks and controls associated with a specific task.
- Employee Supervision:
  - Supervisors interact with their employees daily in the workplace to ensure health and safety concerns or hazards are addressed.
- Safe Work Permits:
  - Cameco has a process for issuing work permits for higher risk routine activities to ensure that required controls have been reviewed and are in place.
- Occupational Health Committee (OHC):
  - The OHC at McArthur River is responsible for reviewing past health and safety incidents, conducting safety inspections, reviewing safety programs and recommending health and safety improvements; and
  - The OHC is made up of a diverse group of employees from various departments.
- Workplace Hazardous Materials Information System (WHMIS):
  - Applicable containers are labeled with the appropriate WHMIS labels to identify their content and the hazards associated with the product within the container.
- First Aid and Medical Care:
  - Cameco has a medical professional available at McArthur River for assessment and treatment of injuries and illnesses; and
  - McArthur River trains and maintains an emergency response team that is available to respond to emergencies both on surface and underground.

## Safety and Health Monitoring and Measurement

Cameco completes safety and health monitoring and management activities to confirm that these activities are meeting Cameco expectations and regulatory requirements. Safety and health management activities conducted at McArthur River include:

- Safety and health performance expectations;
- Safety inspections;
- Safety and health audits;
- Safety culture assessments;
- Safety and health incident investigations; and
- External safety performance reporting.

Cameco conducts a management review annually to assess the overall performance of the McArthur River health and safety system. Monitoring and measurement of the overall facility performance is also regularly conducted at McArthur River. The CNSC completes a Regulatory Oversight Report (ROR) for McArthur River every year. The ROR provides an annual review of safety control areas and regulatory

compliance at McArthur River. This review is also the subject of a formal CNSC proceeding that has intervenor funding available.

### Conclusion

The SHMP that is currently implemented at McArthur River, which has been approved by the CNSC, ensures that health and safety at McArthur River is managed effectively.