A Cameco Safety Moment

"my personal commitment to safety..."
The Blind River Refinery

Overview

• Operating since 1983
• World’s largest commercial uranium refinery
• Situated at the confluence of the Mississaugi River and Lake Huron
• CNSC licensed site – 28 acres
• 608 acre-controlled zone
• 481-acre lease option
• Located 1 km from nearest neighbour
Uranium ore concentrates are shipped here from mines around the world including Canada, Australia and the U.S.

The facility includes a processing plant, water treatment plant, power plant and analytical labs.
The Blind River Refinery

Overview

- 100% Cameco Ownership
- 140 Employees
- Licensed to 2022 by the Canadian Nuclear Safety Commission
- Licence Capacity 18m kgU of UO3
Our Licence
Current Licensing Period

• Regulated by the Canadian Nuclear Safety Commission (CNSC)
• Current licence is valid until February 22, 2022
• In full compliance with our current licence and all applicable regulations
• Strong safety and compliance record throughout the current licence period
Our Licence
Renewing our Licence for a 10-Year Period

Applied to the CNSC in September 2020 to renew our operating licence for a 10-year period

No changes being requested in licence application
Our Licence
Understanding the Process

- APPLICATION SUBMITTED BY LICENSEE
- CNSC STAFF CONDUCT TECHNICAL REVIEW
- CNSC ANNOUNCES PUBLIC HEARING DATES AND DATES TO REQUEST TO INTERVENE
- CNSC ANNOUNCES DETAILS OF PARTICIPANT FUNDING PROGRAM
- DEADLINE FOR INTERVENTIONS

PUBLIC HEARING – WEBCAST LIVE
RECORD OF DECISION
Interventions
Participating in the Licence Renewal Process

CNSC’s Public Commission Hearings provide an important opportunity for interested parties to share relevant information and/or expertise that may be useful to the Commission in making their decision.

Intervention process is owned by the CNSC.

It is for everyone. You don’t have to be a scientist or have a technical background.

We will provide more information to you once the CNSC has announced dates and information about the intervention process for the BRR licence renewal.

• Submission deadline expected in October for November hearing.
Our Performance
Protection of people and the environment is our top priority

• Long history of safe and responsible operations
• Committed to safeguarding the health and safety of our employees, contractors and members of the public – this means we:
  • Continuously improve
  • Comply with all health and safety regulations
  • Maintain all required programs, plans and procedures
• Highly engaged workforce
• Compliant with all CNSC regulations and additional regulatory bodies including:
  • Environment and Climate Change Canada
  • Employment and Social Development Canada
  • Ontario Ministry of the Environment, Conservation & Parks
Our Performance

The CNSC regulates 14 Safety & Control Areas:

- Management System
- Human Performance Management
- Operating Performance
- Safety Analysis
- Physical Design
- Fitness for Service
- Radiation Protection
- Conventional Health & Safety
- Environmental Protection
- Emergency Management & Fire Protection
- Waste Management
- Security
- Safeguards and Non-Proliferation
- Packaging and Transport

Consistently maintained strong operational and safety performance in all 14 SCAs throughout the licensing period

BRR’s Facility Licensing Manual provides an overview of how we meet these requirements, and our performance is publicly available in our quarterly and annual compliance reports

- Blind River Refinery - Business - Cameco Fuel Services (Licensing Manual)
- Media Library - Media - Cameco Fuel Services (Compliance Reports)
Our Performance

Robust and mature environmental protection program includes:

• air and water emission monitoring
• surface and groundwater monitoring
• high-volume air sampling (at BRR and in town of Blind River)

All emissions are just a fraction of the regulatory limits

No environmental incidents during the current licence period
Our Performance

Data

Release Limit for Each Process Stack is 100 g/h

Annual Stack Uranium Emissions

Uranium kg

Stack Uranium Emissions


0.5 0.5 0.4 0.5 0.5 0.6

Annual Liquid Effluent Uranium Emissions

Water Quality = Less than 0.1 ppm U


2.6 1.2 1.9 1.9 2.7 2.8
Our Performance

Data

Average Uranium Concentration in Groundwater

Canadian Drinking Water Guideline for uranium is 20 ug/L.

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In the Community

We are proud to be an active and responsible member of the Blind River community

We are committed to making a difference

We are committed to providing timely, accurate information to stakeholders, Indigenous groups and members of the public

Public Opinion Polling every three years – coming in March 2021

- 2018 results revealed that 97% of respondents are supportive of Cameco’s continued operations in Blind River
We make information about of operations and activities available several ways:

- Meetings/presentations
- Tours (currently suspended due to COVID-19)
- Social Media
- Camecofuel.com

Public Disclosure Protocol


Environmental Incident Reporting

- Environment & Safety - Refining: Blind River - Fuel Services - Businesses - Cameco
In the Community
Making a Difference

• Support dozens of local organizations every year including schools, food banks, hospitals and various local projects.
• Our employees give back through the Annual Giving Campaign

All photos were taken prior to the COVID-19 pandemic
Thank you!

• Questions?

Contact Information

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