2024 Fourth Quarter Compliance Monitoring
&
Operational Performance Report

Reporting Period
October 1, 2024 to December 31, 2024

Blind River Refinery
Operating License
FFL-3632.0/2032

328 Eldorado Road
Blind River, Ontario
P0R 1B0

Submitted to:
The Canadian Nuclear Safety Commission
P.O. Box 1046, Station B
280 Slater Street
Ottawa, Ontario
K1P 5S9

Submitted on February 25, 2025

Executive Summary

Cameco Corporation (Cameco) is a major supplier of uranium processing services required to produce nuclear fuel for the generation of safe, clean and reliable electricity around the world. Cameco's Fuel Services Division (FSD) is comprised of the Blind River Refinery (BRR), the Port Hope Conversion Facility (PHCF), Cameco Fuel Manufacturing Inc. (CFM) and a divisional head office located in Port Hope Ontario.

BRR operates a Class IB nuclear facility in Blind River, Ontario under a Canadian Nuclear Safety Commission (CNSC) operating license and employs approximately 165 workers. Cameco is committed to the safe, clean and reliable operations of all of its facilities and continually strives to improve safety performance and processes to ensure the safety of both its employees and local residents. BRR maintains the required programs, plans and procedures in the areas of health and safety, radiation protection, environment, emergency response, fire protection, waste management, and training.

As a result of these programs, plans and procedures, BRR's operations maintain radiation exposures to workers and the public well below the regulatory dose limits. Environmental emissions are also being controlled to levels that are a fraction of the regulatory limits.

There were no radiation protection or environmental protection action level exceedances in the fourth quarter of 2024.

Contents

1.0 Fourth Quarter Overview

1.1 Facility Operation

Cameco continues to strive for operational excellence at all its facilities through consistent application of management systems to ensure that they operate in a safe, clean and reliable manner. Corporate policies and programs, including that for Safety, Health, Environment and Quality (SHEQ) provide guidance and direction for all site-based programs and procedures that define the Blind River Refinery's Quality Management System. Cameco continually strives to improve safety performance and processes to ensure the safety of both its employees, and residents.

There were no significant changes to Structure, Systems and Components (SSC) or processes in the fourth quarter.

There were no radiation protection or environmental protection action level exceedances in the fourth quarter of 2024.

1.2 Physical Design/Facility Modification

At BRR changes to the physical design of equipment, processes and the facility with the potential to impact safety are evaluated using an internal design control process from project planning through to completion of the project. This review identifies potential impacts to the environment as well as to health and safety of personnel.

There were no modifications affecting the safety analysis of BRR made in the fourth quarter that required written approval of the Commission or a person authorized by the Commission.

2.0 Radiation Protection

This safety and control area covers the implementation of a radiation protection program, in accordance with the Radiation Protection Regulations. This program must ensure that contamination and radiation doses are monitored and controlled.

Whole Body Dose

Table 1 shows the whole-body dose summary results from the fourth quarter for three work groups: employees in operations; employees in administration and/or support roles and contractors who have been designated nuclear energy workers (NEWs). All employees are also NEWs.

Employees are on either a monthly or quarterly dosimeter badge change frequency. The highest doses are from the operations work group, consisting of production and maintenance personnel. The CNSC action level for whole body dose is 2.0 mSv in a month for employees on a monthly dosimetry service badge change frequency, and 0.7 mSv in a quarter for employees on a quarterly dosimetry service badge change frequency. There were no results above either whole body dose action levels in the quarter.

Table 1

2024 Fourth Quarter Whole Body Dose				
Work Group	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
NEW Contractors	78	0.03	0.00	0.15
Administration/Support	61	0.06	0.00	0.27
Operations	98	0.36	0.00	2.10
All	237	0.17	0.00	2.10

Table 2 shows the average, minimum, and maximum quarterly individual external whole-body exposures for the last five quarters. The average and maximum doses in the fourth quarter were within the range of the previous four quarters.

Table 2

Whole Body Dose by Quarter				
Quarter	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
Q4 2023	179	0.20	0.00	1.57
Q1 2024	220	0.19	0.00	2.40
Q2 2024	301	0.16	0.00	1.88
Q3 2024	280	0.15	0.00	1.40
Q4 2024	237	0.17	0.00	2.10

Skin Dose

Table 3 shows the quarterly skin dose summary results for three work groups: employees in operations; employees in administration and/or support roles and contractors who have been made NEWs. The highest doses are from the operations work group, consisting of production and maintenance personnel.

Employees are on either a monthly or quarterly dosimeter badge change frequency. The CNSC action level for skin dose is 15.0 mSv in a month for employees on a monthly dosimetry service badge change frequency, and 6.0 mSv in a quarter for employees on a quarterly badge change frequency.

There were no radiation protection action level exceedances for skin dose in the fourth quarter of 2024.

Table 3

2024 Fourth Quarter Skin Dose				
Work Group	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
NEW Contractors	78	0.07	0.00	0.58
Administration/Support	61	0.10	0.00	0.73
Operations	98	1.58	0.00	6.53
ALL	237	0.70	0.00	6.53

Table 4 shows the employee average and maximum quarterly individual skin exposure results for the last five quarters. The average skin doses in the fourth quarter were within the range of the previous four quarters. The reported maximum skin dose was similar to the previous quarter.

Table 4

Skin Dose Results by Quarter				
Work Group	**Number of Individuals**	**Average (mSv)**	**Minimum (mSv)**	**Maximum (mSv)**
Q4 2023	179	1.24	0.00	13.29
Q1 2024	220	0.99	0.00	15.19
Q2 2024	301	0.75	0.00	21.27
Q3 2024	280	0.59	0.00	6.57
Q4 2024	237	0.70	0.00	6.53

Extremity Dose

Process operators working in the DRaff area and designated maintenance workers have historically been issued ring dosimeters. These dosimeters are only required to be worn when working in the DRaff area of the refinery. Table 5 shows the average and maximum ring dosimeter result for employees over the last five quarters. The reported maximum skin dose was similar to the last quarter and much less than the previously reported quarters.

Table 5

Quarterly Extremity Dose				
Work Group	**Number of Individuals**	**Average (mSv)**	**Minimum (mSv)**	**Maximum (mSv)**
Q4 2023	48	1.00	0.00	11.46
Q1 2024	49	1.10	0.00	8.09
Q2 2024	49	1.30	0.00	16.34
Q3 2024	50	0.80	0.00	5.06
Q4 2024	53	0.80	0.00	5.30

Eye Dose

Table 6 shows the quarterly eye dose summary results for three work groups: employees in operations; employees in administration and/or support roles and contractors who have been made NEWs. The highest exposure is from the operations group related to work in the Raffinate/Draff area.

Table 6

Fourth Quarter 2024 Eye Dose Results				
Work Group	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
NEW Contractors	78	0.05	0.00	0.34
Administrative Support	61	0.08	0.00	0.43
Operations	98	0.82	0.00	3.03
All	237	0.38	0.00	3.03

Table 7 shows the employee average, minimum and maximum quarterly individual external eye exposures for the last five quarters. Eye dose is reviewed monthly and compared to the monthly action level of 6 mSv per month and individual cumulative quarterly dose is compared to the quarterly action level of 12 mSv per quarter. The maximum quarterly dose is a production operator whose cumulative quarterly dose was 3.03 mSv. Direct Read Dosimeters are being used

in the Raffinate/Draff area to manage potential eye dose. The maximum eye dose for the fourth quarter is similar to the maximum eye dose from the previous quarter.

Table 7

Eye Dose Results by Quarter				
Monitoring Period	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
Q4 2023	179	0.57	0.00	5.63
Q1 2024	220	0.47	0.00	6.93
Q2 2024	301	0.37	0.00	9.50
Q3 2024	280	0.32	0.00	3.46
Q4 2024	237	0.38	0.00	3.03

Urinalysis

Table 8 shows the distribution of urine results for the fourth quarter of 2024. A total of 2233 urine samples were analyzed for uranium during the quarter. As shown in Table 8, approximately 99% of routine urine analysis results were less than 5 µg U/L in the quarter.

There were four results above the routine weekly screening level of 6.3 µg U/L and no results above the routine monthly screening level of 4.4 µg U/L. There were two samples that measured > 25 to ≤ 50 ug U/L, samples were pre-shift submissions by NEW contractors who submit daily samples that did not exceed the screening level of 30 ug U/L. The other twenty-nine results measured above 5 µg U/L, were attributed to employee and contractor daily, weekly, pre-shift and post-shift submissions none of the submissions exceeded the internal screening levels (routine weekly of 6.3 ug U/L, routine monthly of 4.4 ug U/L, pre-shift of 30 µg U/L and post-shift of 63 µg U/L).

No urine analysis action levels were exceeded in the fourth quarter of 2024.

Table 8

2024 Fourth Quarter Urinalysis Results	
Distribution of Results	**Number of Results**
Number of Samples ≤ 5 µg U/L	2202
Number of Samples >5 to ≤ 25 µg U/L	29
Number of Samples >25 to ≤ 50 µg U/L	2
Number of Samples ≥ 50 µg U/L	0
Number of Samples Analyzed	2233
Action Level 63 µg U/L (Routine Bi-Weekly Sample) Action Level 44 µg U/L (Routine Monthly Sample)	

Internal Dose (Urine)

Table 9 shows the internal urine analysis doses for the last five quarters. The average and maximum internal urine analysis doses in the quarter were 0.06 mSv and 0.66 mSv. These doses are within the range of the previous four quarters.

Table 9

Internal Urine Dose by Quarter				
Year	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
Q4 2023	141	0.08	0.00	0.50
Q1 2024	152	0.07	0.00	0.70
Q2 2024	155	0.07	0.00	0.65
Q3 2024	222	0.05	0.00	0.65
Q4 2024	223	0.06	0.00	0.66

Lung Dose

The lung count trailer was on-site during this period completing routine lung counts for all groups.

Contamination Control

An extensive contamination control program is in place at the refinery. The refinery is divided into three Zones for contamination control purposes. Zone 1 areas are designated as clean areas, with no dispersible radioactive material allowed, while Zone 3 areas are production areas. Zone 2 areas are locations where small amounts of radioactive material may be present. Routine contamination monitoring is done in Zone 1 and 2 areas, with a focus on employee lunchrooms, change rooms and hallways. Table 10 summarizes quarterly alpha monitoring results from Zone 1 and Zone 2 areas. Monitoring results include both swipe samples and direct contact surface measurements. Additional monitoring locations have been added to support increased contractor activities in 2024.

Table 10

Fourth Quarter Alpha Contamination Monitoring Results		
Area	**Total Number of Measurements**	**Number of Readings Above IAL**
Zone 1	316	0
Zone 2	11,081	13
Internal Administrative Level (IAL) for swipes is 0.15 Bq/cm^2 and for direct contact readings is 0.37 Bq/cm^2.		

In-plant Air

Routine air sampling is performed by collecting airborne particulate on air sampling filters and quantifying the airborne concentration of uranium. A summary of in-plant air sampling results in the fourth quarter of 2024 is provided in Tables 11 and 12.

Table 11

2024 Fourth Quarter Uranium In-plant Air Sampling Results				
Location	**# of**	**Average**	**Maximum**	**# of Samples above RL**
UO3 Lab	3	0.2	0.3	0
Calcination	546	5.8	43.9	0
Main Aisle	3	2.6	7.4	0
MAINT. SHOP	3	0.5	1.0	0
Gravimetric Feeder	91	8.4	100.8	2
Digestion	94	1.2	15.5	0
Solvent Extraction	3	0.2	0.3	0
Sump Treatment	91	1.3	7.2	0
Equipment Decontamination	103	1.0	6.9	0
Aisle to Powerhouse	3	0.3	0.5	0
Boildown	12	0.2	0.3	0
Control Room	1	0.2	0.2	0
Denitration	553	8.2	630.5	6
U CONC Lab	3	0.2	0.3	0
DRaff/Raffinate	910	0.3	10.3	0
S&FP Warehouse	638	2.5	48.7	0

The maximum in-plant air sample of 630 µg U/m^3 which was recorded in the denitration area on October 30, 2024 was due to a plugged down-line. The area was declared a dust mask area, and the urine request form was distributed.

Table 12 is a summary of thorium-230 (Th) in-air sampling results collected from the Draff area quarterly.

Table 12

Thorium-in-Air Sampling Results				
Plant Area	**# of Samples**	**Average Th-230 (Bq/m^3)**	**Maximum Th-230 (Bq/m^3)**	**# of Samples above RL**
2023 Q4	501	0.045	1.946	35
2024 Q1	448	0.014	0.248	6
2024 Q2	400	0.006	0.270	3
2024 Q3	363	0.002	0.244	1
2024 Q4	430	0.016	1.261	12
Respirator Level (RL) is 0.15 Bq/m^3 Th-230				

The maximum in-plant air sample of 1.26 Th-230 Bq/m^3 was recorded on December 28, 2024, this was due to the fact that two driers were running to control raffinate inventory levels. The area was restricted, posted as a dust mask area, and workers were wearing respirators.

3.0 Conventional Health and Safety

This safety and control area covers BRR's program to manage non-radiological workplace safety hazards and to protect personnel and equipment. Table 13 below lists the safety statistics for the refinery for the quarter and year-to-date.

Table 13

2024 Safety Statistics					
Quarter/Parameter	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**	**YTD**
First Aid Injuries	6	11	6	4	27
Medical Diagnostic Procedures	2	0	1	0	3
Medical Treatment Injuries	1	0	1	1	3
Lost Time Injuries	0	0	0	0	0
Lost Time Injury Frequency	0	0	0	0	0
Lost Time Injury Severity	0	0	0	0	0

The Total Recordable Injury Rate (TRIR) YTD is 1.76.

Health and Safety Activities

Facility Health and Safety Committee meetings were conducted as scheduled. Safety meetings and scheduled training proceeded. Annual health and safety training objectives are being worked on successfully.

4.0 Environmental Protection

This safety and control area covers the programs that monitor and control all releases of nuclear and hazardous substances into the environment, as well as their effects on the environment, as the result of licensed activities.

Public Dose

The derived release limit (DRL) for a given radionuclide is defined as the release rate that would cause an individual of the most highly exposed group to receive and be committed to a dose equal to the regulatory annual dose limit due to release of the radionuclide to air or surface water during normal operation of a nuclear facility over the period of a calendar year. An updated, more conservative DRL report for the refinery was accepted by CNSC staff in 2019 and implemented at the start of 2020.

The DRL for the facility is based on three components: dose to the public from air emissions, dose from water discharges and dose from gamma radiation. For the refinery, dose to the public from air and water emissions is a very small fraction of the public dose limit (<0.001 mSv).

Therefore, the gamma component represents virtually all the estimated public dose.

The critical receptor is the hi-vol station at the golf course. An environmental dosimeter is placed at the hi-vol station and changed out on a quarterly basis.

Public dose information for the last five quarters at the critical receptor is shown in Table 14.

Table 14

Public Dose by Quarter (mSv)					
DRL Component	**Q4 2023**	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**
Air	<0.001	<0.001	<0.001	<0.001	<0.001
Water	<0.001	<0.001	<0.001	<0.001	<0.001
Gamma	0.002	0.002	0.002	0.002	0.002
Total Quarterly Dose	0.002	0.002	0.002	0.002	0.002

Gamma Monitoring

Environmental dosimeters are placed along each of the four-perimeter fence lines; north, south, east and west. The dosimeters are collected and replaced in the field monthly. Fence line results for each month in the quarter are shown in Table 15. Dose rates along the east, west and south fencelines will regularly fluctuate due to changes in onsite inventory (quantity and yard location).

Table 15

2024 Fourth Quarter Measured Fence Line Gamma Levels (µSv/h)			
Fence Line	**October**	**November**	**December**
East	0.77	0.68	0.52
*North	0.00	0.04	0.02
South	0.80	0.94	0.81
West	0.85	0.97	0.88

*North fence CNSC Action Level 0.25 µSv/h (Monthly)

Air Emissions

The refinery has two process stacks and an incinerator stack that are routinely monitored for uranium and particulate emissions. The absorber stack also has an on-line NOx analyzer. Each process area also has its own separate ventilation system. Uranium emissions from each of the individual process area ventilation systems are determined through calculation. The release limits changed with the new license issued February 2022.

Stack uranium emissions by quarter are shown in Table 16. Maximum emission rates were within the range of the previous four quarters for uranium and particulate emissions. Average uranium emissions were within the range of the previous four quarters. Average particulate emissions were elevated in the later part of the year due to a plugged drain. This drain line has been placed on the supervisor's rounds to prevent future occurrence.

Table 16

Daily Stack Emissions by Quarter									
Source	**Parameter**	**Limit**	**Action Level**	**Value**	**Q4 2023**	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**
DCEV	Uranium (g U/h)	93a	1.1[b]	Quarterly Average	0.09	0.07	0.07	0.08	0.08
				Quarterly Maximum	0.42	0.14	0.44	0.33	0.16
Absorber	Uranium (g U/h)	21a	0.65[b]	Quarterly Average	0.01	0.01	0.01	0.01	0.01
				Quarterly Maximum	0.16	0.02	0.12	0.06	0.06
	Nitrogen Oxides (kg NO2/h)	19b	12[b]	Daily Average	3.6	3.4	2.8	1.9	3.6
				Daily Maximum	7.7	4.6	9.3	5.5	4.7
Incinerator	Uranium (g U/h)	29a	N/A	Quarterly Average	0.01	0.01	-	0.01	0.01
				Quarterly Maximum	0.01	0.01	-	0.01	0.01
All stacks	Particulate (g/h)	15,000[b]	N/A	Daily Average	9	7	8	12	13
				Daily Maximum	41	20	27	54	34

Results less than the detection limit is denoted as "<".
[a] Limit based on annual averaging period.
[b] Limit based on daily result.

Liquid Discharges

The refinery has one liquid effluent discharge location into Lake Huron. All liquid effluent is sampled and analyzed prior to discharge to ensure all federal and provincial regulatory discharge parameter limits are met. The release limits changed with the new license issued February 2022.

An effluent treatment circuit and supplementary pollution control equipment are installed in the UO_3 plant to control and reduce emissions to water. The concentrations of key parameters in liquid effluent emissions are shown in Table 17. Liquid effluent parameters remain within the range of the previous four quarters.

Table 17

Liquid Effluent Discharges									
Parameter	**Units of Measure**	**CNSC Licence Limit**	**Action Level**	**Value**	**Q4 2023**	**Q1 2024**	**Q2 2024**	**Q3 2024**	**Q4 2024**
Uranium	mg/l	1.7[1]	0.2	Average	0.01	0.02	0.02	0.02	0.01
				Max.	0.03	0.03	0.04	0.10	0.02
Nitrate	mg/l as N	N/A	120	Average	7.4	8.9	3.9	5.0	8.6
				Max.	36.7	12.6	6.1	17.8	17.1
Radium – 226	Bq/l	N/A	0.1	Average	0.01	0.01	0.01	0.01	0.01
				Max.	0.01	0.01	0.01	0.01	0.01
pH		N/A	N/A	Daily Min.	7.1	7.3	7.5	7.4	7.7
		N/A	N/A	Daily Max.	8.0	7.8	8.2	8.2	8.2

[1] Limit based on monthly average of weekly composite samples

Ambient Air Monitoring

In addition to onsite monitoring of emissions, the refinery also has a comprehensive ambient air monitoring program. Table 18 shows the quarterly average uranium-in-air concentrations at each of the five hi-vol locations and the maximum individual result for each location by quarter. The results are within the range of the previous 4 quarters. The refinery continues to see increased vehicular traffic onsite over previous years to support increased receipts of concentrate, shipments of UO_3 and shipments of waste to a permitted landfill. The South-East Yard hi-vol location had a decrease in U in air after extensive paving in the area in 2023.

Table 18

Uranium-in-Air Concentration (µg U/m^3) at Hi-Vol Stations by Quarter						
Quarter	**Result**	**Golf Course**	**SE Yard**	**East Yard**	**Hydro Yard**	**Town of Blind River**
Q4 2023	Average	0.0004	0.0007	0.0021	0.0002	0.0001
	Maximum	0.0015	0.0012	0.0041	0.0003	0.0002
Q1 2024	Average	0.0002	0.0004	0.0009	0.0001	0.0001
	Maximum	0.0004	0.0006	0.0014	0.0001	0.0001
Q2 2024	Average	0.0003	0.0012	0.0016	0.0002	0.0001
	Maximum	0.0007	0.0057	0.0028	0.0002	0.0002
Q3 2024	Average	0.0003	0.0012	0.0025	0.0002	0.0001
	Maximum	0.0010	0.0039	0.0088	0.0002	0.0002
Q4 2024	Average	0.0002	0.0005	0.0009	0.0001	0.0001
	Maximum	0.0002	0.0006	0.0011	0.0002	0.0002

5.0 Public Information Program

During the fourth quarter of 2024, BRR continued to meet the requirements of CNSC REGDOC 3.2.1, Public Information and Disclosure programs.

Public Engagement

During the fourth quarter Cameco provided sponsorship for several community initiatives including the City of Elliot Lake arena refurbishment project.

In October Cameco participated in the Town of Blind River's Fall Fair. This event was free to the public and geared to all ages. It provided an opportunity to engage with the community, allowing subject matter experts to share information about the Refinery. Large poster-sized boards provided information on topics such as the benefits of nuclear energy and Cameco's Public Information Program (PIP). Takeaways included information about operations as well as recruitment information.

Cameco continued its monthly community spotlight sponsorship with Elliot Lake Today, an online newspaper which features local not-for-profits.

Representatives of the North Shore Health Network Foundation toured the Refinery during the quarter.

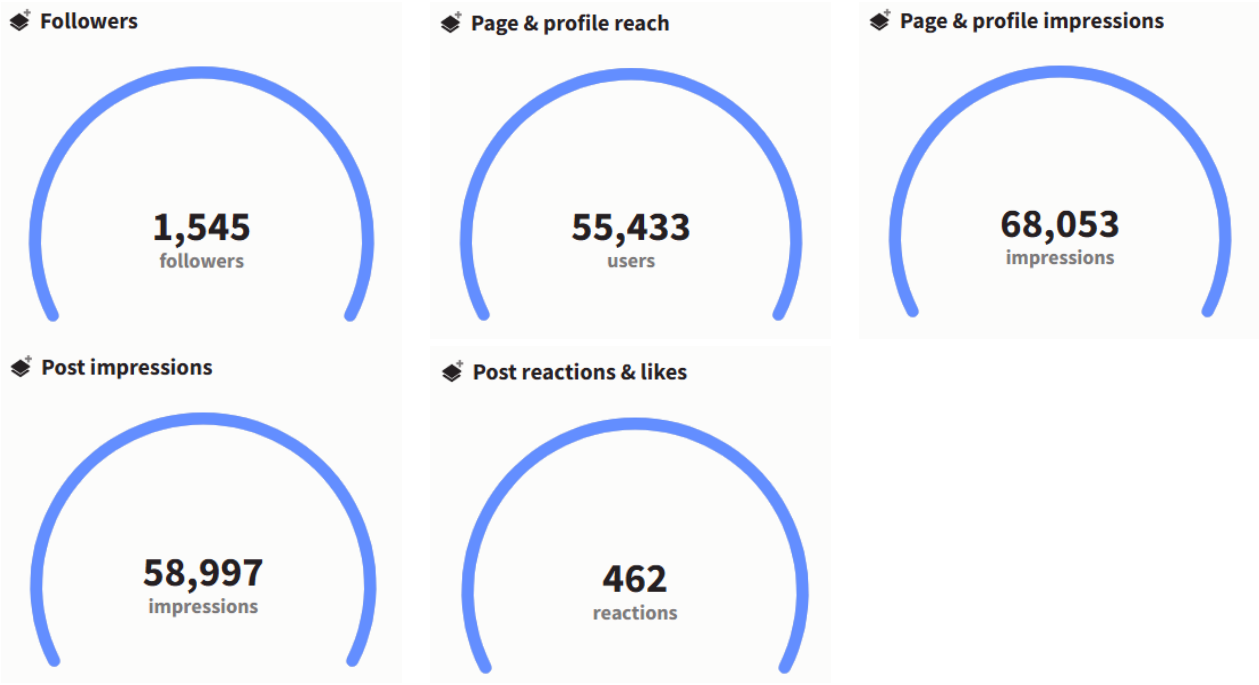
Public Disclosure

There was one public disclosure during the fourth quarter: Environment & Safety | Cameco

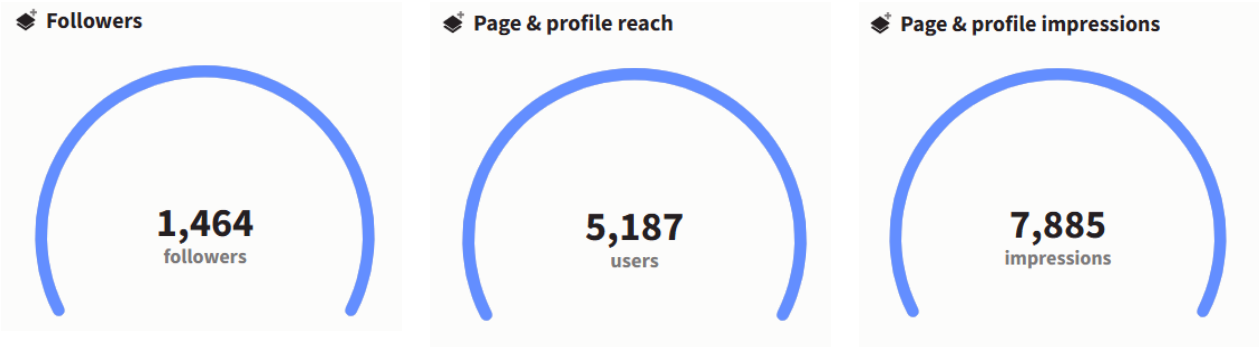
Posting Date	November 29, 2024
Incident Date	November 28, 2024
Incident	ERT Activation
Details	On November 28, a pull station was activated at the Blind River Refinery when a small fire was observed inside of a 5-gallon plastic pail in the plant. The fire was extinguished using a nearby fire extinguisher. Due to the speedy response and action of the emergency response team there was no health or safety risk posed to the workers or the environment.
Corrective Action	The fire was extinguished and cleaned up. The Canadian Nuclear Safety Commission was notified.
Cameco Environmental Effect Rating	1

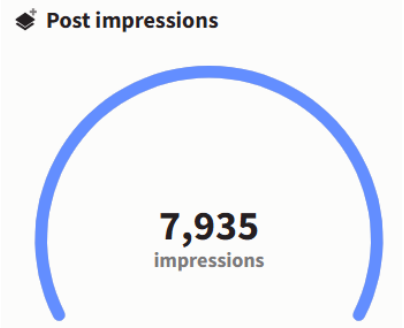
Social Media

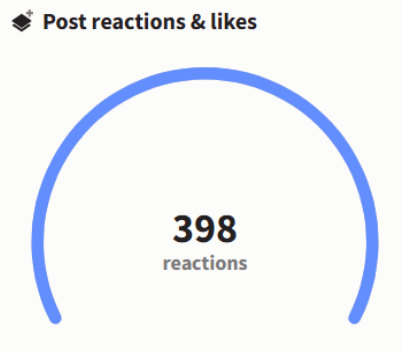
Facebook: *October 1 to December 31, 2024*



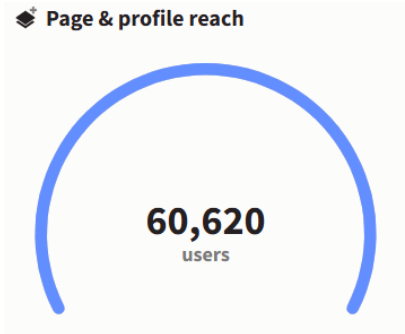
Other platforms (Instagram, X & You Tube): *October 1 to December 31, 2024*

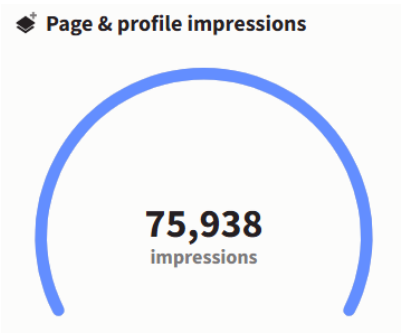


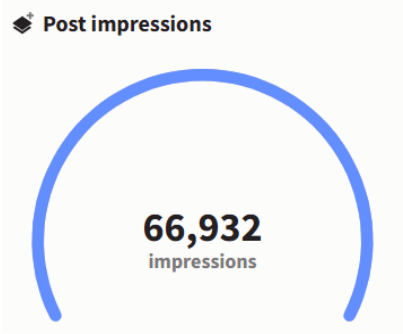




All Platforms: *October 1 to December 31, 2024*







Top Performing Posts

Top posts

Our Cameco Fund for Mental Health application is now open and accepting funding requests. For a third year, the Cameco Fund for Mental Health has opened its grant application with $18,000 to support mental health

49 likes and reactions

We're at the Alderville First Nation Job Fair today until 3 p.m. If you're interested in Energizing Your Career - check out our current career opportunities at www.cameco.com/careers.

38 likes and reactions

This morning, Elliot Lake Deputy Mayor Charles Flintoff accepted a $10,000 donation toward repair of the Rogers Arena (formerly Centennial Arena) from Cameco. Presenting the donation was Terry Davis, general

37 likes and reactions

Top posts

This morning, Elliot Lake Deputy Mayor Charles Flintoff accepted a $10,000 donation toward repair of the Rogers Arena (formerly Centennial Arena) from Cameco. Presenting the donation was Terry Davis, general

33 likes

Last Tuesday, members of Cameco spent the day with Curve Lake First Nation. Cameco was invited for a Community visit and tour, including a guided boat tour of Buckhorn Lake.

31 likes

Thank you to our employees in Blind River, Port Hope and Cobourg for their ongoing support of Cameco's employee giving campaign. The company matched all employee donations, producing an Ontario total of $133,989 – abou

27 likes

Top tweets

Cameco energizes a clean-air world by providing fuel to generate zero-carbon nuclear power, while also reducing our own greenhouse gas emissions. In Ontario, Cameco's Fuel Services Division has embraced a dozen climate

24.24% engagement rate

Congratulations to the 2024 grant recipients of our Cameco Fund for Mental Health! A total of $138,000 and 19 grants were awarded to support mental health initiatives in Ontario. Read more: Blind River:

8.2% engagement rate

We remember.
https://twitter.com/CamecoOntario/status/1855943601
9769994/video/1

7.89% engagement rate

Summary

Cameco Ontario's 101 posts (combined across Facebook, Instagram, X and YouTube):

- Facebook: 35 posts
- Instagram: 34 posts
- X: 32 posts

These posts covered information such as:

- Community engagement activities, including:
  - Blind River's Fall Fair
  - Presentation to Conseil scolaire catholique du Nouvel-Ontario
- Community investment activities, including:
  - Cameco Fund for Mental Health, including a call for applications and announcement of successful grant recipients in Northumberland County and Blind River
  - Donation to support the repair of Rogers Arena in Elliot Lake, Ontario
  - Cameco's employee giving program
- Key findings from Cameco's 2023 Sustainability Report
- Career opportunities

Website

The Q3 2024 Compliance Report:

- BRR-2024-Q3-compliance-report.pdf

News release announcing Cameco Fund for Mental Health application open:

- Cameco Announces $18,000 to Support Mental Health Initiatives in the Blind River Area | Cameco Fuel Services

News release announcing Cameco Fund for Mental Health grant recipients:

- Cameco Fund for Mental Health 2024 awards grants to seven Blind River area organizations | Cameco Fuel Services

Media Analysis

Media coverage regarding the Blind River Refinery in Q4.

Cameco supports arena repair in Elliot Lake - Elliot Lake News

Communications Products

News release announcing Cameco Fund for Mental Health application open:

- Cameco Announces $18,000 to Support Mental Health Initiatives in the Blind River Area | Cameco Fuel Services

News release announcing Cameco Fund for Mental Health grant recipients:

- Cameco Fund for Mental Health 2024 awards grants to seven Blind River area organizations | Cameco Fuel Services

6.0 Indigenous Engagement

Cameco is committed to providing information to interested Indigenous communities. The Mississauga First Nation (MFN) is Cameco's closest neighbour and Cameco continues to have regular communication with MFN through established protocols such as the notification of live fire practices and community support. Cameco also continues to work with MFN to formalize the relationship.

On October 8, email communication was sent to MFN with information regarding Cameco's Fund for Mental Health and how to apply.

On November 29, the Q3 compliance report was sent to MFN and Serpent River First Nation via email.

On December 19, Cameco sent a letter to the Museum of History in Gatineau QC in support of MFN's artifact repatriation efforts.

7.0 Other Matters of Regulatory Interest

There were no other matters of regulatory interest in the quarter.

8.0 Concluding Remarks

Cameco is committed to the safe, clean and reliable operations of all of its facilities and continually strives to improve safety performance and processes to ensure the safety of both its employees and the people in neighboring communities.

Individual radiation exposures were maintained well below all applicable regulatory dose limits, as a result of the effective programs, plans and procedures in place. In addition, environmental emissions continued to be controlled to levels that are a fraction of the regulatory limits, and public radiation exposures are also well below the regulatory limits.

Cameco's relationship with our neighboring communities remains strong and we are committed to maintaining these strong relationships.