



**2023 Fourth Quarter Compliance Monitoring
&
Operational Performance Report**

**Reporting Period
October 1 to December 31, 2023**

**Blind River Refinery
Operating Licence
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 26, 2024

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 licence and employs approximately 140 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 2023. A lost time injury was recorded on August 3, 2023.

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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 quarter.

There were no radiation protection or environmental protection action level exceedances in the fourth quarter of 2023.

The plant was down for 3 days in early October due to spencer turbine failures and there were 2 days affected by hydro outages. For the quarter, the plant mostly operated at reduced rates due to denitration pot availability. The incinerator operated for 6 days during the quarter.

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 third 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

2023 Fourth Quarter Whole Body Dose				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	39	0.02	0.00	0.13
Administration/Support	53	0.11	0.00	0.34
Operations	87	0.34	0.00	1.57
All	179	0.20	0.00	1.57

Table 2 shows the average, minimum, and maximum quarterly individual external whole-body exposures for the last five quarters. The maximum dose and the average dose 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 2022	152	0.22	0.00	1.89
Q1 2023	151	0.35	0.00	2.06
Q2 2023	187	0.26	0.00	1.95
Q3 2023	200	0.20	0.00	1.49
Q4 2023	179	0.20	0.00	1.57

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 2023.

Table 3

2023 Fourth Quarter Skin Dose				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	39	0.26	0.00	2.62
Administration/Support	53	0.19	0.00	1.03
Operations	87	2.31	0.05	13.29
ALL	179	1.24	0.00	13.29

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

Table 4

Skin Dose Results by Quarter				
Work Group	Number of Individuals	Average (mSv)	Minimum (mSv)	Maximum (mSv)
Q4 2022	152	1.15	0.00	6.15
Q1 2023	151	1.74	0.00	14.17
Q2 2023	187	1.27	0.00	11.8
Q3 2023	200	0.83	0.00	6.63
Q4 2023	179	1.24	0.00	13.29

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.

Table 5

Quarterly Extremity Dose				
Work Group	Number of Individuals	Average (mSv)	Minimum (mSv)	Maximum (mSv)
Q4 2022	49	0.81	0.00	3.65
Q1 2023	50	1.20	0.00	8.72
Q2 2023	48	1.50	0.00	13.88
Q3 2023	47	0.70	0.00	5.31
Q4 2023	48	1.00	0.00	11.46

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 2023 Eye Dose Results				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	39	0.12	0.00	1.15
Administrative Support	53	0.15	0.00	0.56
Operations	87	1.02	0.00	5.63
All	179	0.57	0.00	5.63

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 5.63 mSv. Direct Read Dosimeters are being used in the

Raffinate/Draff area to manage potential eye dose. Average and maximum eye doses are within the range of the previous four quarters.

Table 7

Eye Dose Results by Quarter				
Monitoring Period	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
Q4 2022	159	0.58	0.00	2.88
Q1 2023	151	0.93	0.00	6.01
Q2 2023	187	0.65	0.00	5.94
Q3 2023	200	0.45	0.00	3.41
Q4 2023	179	0.57	0.00	5.63

Urinalysis

Table 8 shows the distribution of urine results for the fourth quarter of 2023. A total of 1376 urine samples were analyzed for uranium during the quarter. As shown in Table 8, approximately 98% of routine urine analysis results were less than 5 µg U/L in the quarter.

There were 5 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. The other twenty-nine results measured above 5 µg U/L, nineteen were attributed to contractor daily submissions and the remaining were attributed to pre and post shift submissions, none of the submissions exceeded the internal screening levels (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 2023.

Table 8

2023 Fourth Quarter Urinalysis Results	
Distribution of Results	Number of Results
Number of Samples ≤ 5 µg U/L	1341
Number of Samples >5 to ≤ 25 µg U/L	34
Number of Samples >25 to ≤ 50 µg U/L	1
Number of Samples ≥ 50 µg U/L	0
Number of Samples Analyzed	1376
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 0.08 mSv and 0.50 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 2022	134	0.08	0.00	0.51
Q1 2023	140	0.09	0.00	0.80
Q2 2023	153	0.07	0.00	0.42
Q3 2023	150	0.07	0.00	0.59
Q4 2023	141	0.08	0.00	0.50

Lung Dose

The lung count trailer was on-site from October 2 to November 14, 2023.

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.

Table 10

2023 Fourth Quarter Alpha Contamination Monitoring Results		
Area	Total Number of Measurements	Number of Readings Above IAL
Zone 1	316	0
Zone 2	3894	11
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 2023 is provided in Tables 11 and 12.

Table 11

2023 Fourth Quarter Uranium In-plant Air Sampling Results				
	# of	Average	Maximum	# of Samples above RL
Warehouse	652	1.2	205	1
UO3 Lab	3	0.2	0.2	0
Calcination	553	5.8	227.4	2
Main Aisle	3	3.7	5.5	0
MAINT. SHOP	3	0.5	1.0	0
Gravimetric Feeder	93	6.9	250.6	1
Digestion	95	4.4	38.3	0
Solvent Extraction	3	1.8	5.0	0
Sump Treatment	90	5.2	15.3	0
Equipment Decontamination	103	3.4	167.4	1
Aisle to Powerhouse	3	0.2	0.2	0
Boildown	39	1.8	25.2	0
Denitration	545	12.1	953.3	8
U CONC Lab	3	0.2	0.2	0
DRaff/Raffinate	915	0.8	13.3	0
Respirator Level (RL) is 90 µg U/m ³				

The maximum in-plant air sample of 953.3 µg U/m³ which was recorded on October 17, 2023, was the result of a plugged denitration pot hood dust collection line. The area was restricted, posted as a dust mask area, and workers were wearing respirators.

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
2022 Q4	514	0.043	0.671	44
2023 Q1	627	0.060	1.082	95
2023 Q2	504	0.040	1.569	39
2023 Q3	3	0.014	1.089	11
2023 Q4	501	0.045	1.946	35
Respirator Level (RL) is 0.15 Bq/m ³ Th-230				

The maximum in-plant air sample of 1.946 Th-230 Bq/m³ which was recorded on October 13, 2023, was the result of a leaking calciner seal. 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

2023 Safety Statistics					
Quarter / Parameter	Q1 2023	Q2 2023	Q3 2023	Q4 2023	YTD
First Aid Injuries	9	3	6	5	23
Medical Diagnostic Procedures	1	1	2	1	5
Medical Treatment Injuries	0	1	2	0	3
Lost Time Injuries	0	0	1	0	1
Lost Time Injury Frequency	0	0	0.94	0	0.69
Lost Time Injury Severity	0	0	2.81	2	2.08

There was a lost time injury on August 3, 2023. While an employee was walking up the stairs, they pulled on the handrail and felt a tweak in the midback. The next morning the pain had worsened. This incident has been accepted by the WSIB as a lost time injury and is currently undergoing the appeal process.

The Total Recordable Injury Rate (TRIR) YTD is 2.78.

Health and Safety Activities

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

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 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023
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

2023 Fourth Quarter Measured Fence Line Gamma Levels (µSv/h)			
Fence Line	October	November	December
East	0.99	0.85	1.09
*North	0.11	0.10	0.09
South	0.91	0.83	0.71
West	0.96	1.04	1.02

*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 NO_x 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 licence issued February 2022.

Stack uranium emissions by quarter are shown in Table 16. Average and maximum emission rates were within the range of the previous four quarters for uranium and particulate emissions. While average nitrogen oxide emissions were within the previous four quarters, the maximum was higher than typically observed. This was due to issues with the main Spencer turbine requiring the use of the emergency Spencer turbine until repairs on the main Spencer turbine were completed. Emissions returned to normal the following day.

Table 16

Daily Stack Emissions by Quarter									
Source	Parameter	Limit	Action Level	Value	Q4	Q1	Q2	Q3	Q4
					2022	2023	2023	2023	2023
DCEV	Uranium (g U/h)	93a	1.1 ^b	Quarterly Average	0.09	0.12	0.09	0.15	0.09
				Quarterly Maximum	0.17	0.20	0.16	0.62	0.42
Absorber	Uranium (g U/h)	21a	0.65 ^b	Quarterly Average	0.01	0.02	0.01	0.02	0.01
				Quarterly Maximum	0.08	0.24	0.16	0.10	0.16
	Nitrogen Oxides (kg NO ₂ /h)	19b	12 ^b	Daily Average	3.1	3.8	3.6	2.9	3.6
				Daily Maximum	4.1	4.7	5.0	4.7	7.7
Incinerator	Uranium (g U/h)	29a	N/A	Quarterly Average	0.00	0.01	0.01	0.01	0.01
				Quarterly Maximum	0.00	0.01	0.02	0.01	0.01
All stacks	Particulate (g/h)	15,000 ^b	N/A	Daily Average	6	9	9	6	9
				Daily Maximum	13	18	22	64	41

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 licence issued February 2022.

An effluent treatment circuit and supplementary pollution control equipment are installed in the UO₃ 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 2022	Q1 2023	Q2 2023	Q3 2023	Q4 2023
Uranium	mg/l	1.7 ¹	0.2	Average	0.02	0.02	0.01	0.01	0.01
				Max.	0.04	0.03	0.03	0.03	0.03
Nitrate	mg/l as N	N/A	120	Average	16.8	6.2	3.5	6.2	7.4
				Max.	45.4	17.5	7.5	12.9	36.7
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. ²	7.3	7.6	7.7	7.7	7.1
				Daily Max. ²	7.8	8.0	8.3	8.6	7.0

¹ Limit based on monthly average of weekly composite samples

² Limit based on daily discharge sample

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 UO₃ and shipments of waste to a permitted landfill.

Table 18

Uranium-in-Air Concentration ($\mu\text{g U/m}^3$) at Hi-Vol Stations by Quarter						
Quarter	Result	Golf Course	SE Yard	East Yard	Hydro Yard	Town of Blind River
Q4 2022	Average	0.0003	0.0004	0.0030	0.0002	0.0001
	Maximum	0.0005	0.0007	0.0069	0.0002	0.0002
Q1 2023	Average	0.0002	0.0009	0.0035	0.0001	0.0001
	Maximum	0.0004	0.0011	0.0058	0.0002	0.0002
Q2 2023	Average	0.0004	0.0009	0.0032	0.0002	0.0002
	Maximum	0.0009	0.0020	0.0054	0.0002	0.0002
Q3 2023	Average	0.0004	0.0009	0.0019	0.0001	0.0001
	Maximum	0.0008	0.0020	0.0039	0.0003	0.0002
Q4 2023	Average	0.0004	0.0007	0.0021	0.0002	0.0001
	Maximum	0.0015	0.0012	0.0041	0.0003	0.0002

5.0 Public Information Program

During the fourth quarter of 2023, BRR continued to meet the requirements of CNSC REGDOC 3.2.1, Public Information and Disclosure programs.

Public Engagement

During the fourth quarter of 2023 Cameco provided sponsorships for the Blind River Santa Claus Parade, the Blind River and Area Christmas Baskets and Blind River Hospital Auxiliary fundraiser.

Cameco also supported the Blind River Cornhole League, Blind River Sportsmen's Hockey League, Elliot Lake Secondary School Music Program, the Hospital Activity Book for kids, Timber Village Museum Community Event and the Royal Canadian Legion Drug Safety Program.

On October 10, 2023, Cameco announced the opening of the application process for the Cameco Fund for Mental Health. A news release was issued to local media, posted on the website and promoted on social media. Recipients of the Cameco Fund for Mental Health were announced on December 12, 2023. A total of five organizations in the Blind River area received grants. A news release was issued to local media, posted on the website and promoted on social media.

Cameco hosted a career day for students from W.C.Eaket Secondary School on November 14, and for students from É.S.C Jeunesse-Nord on November 15. Students were provided with information about the Blind River Refinery's operations and met with leaders and subject matter experts to learn about career opportunities. Students were also provided with a facility tour.

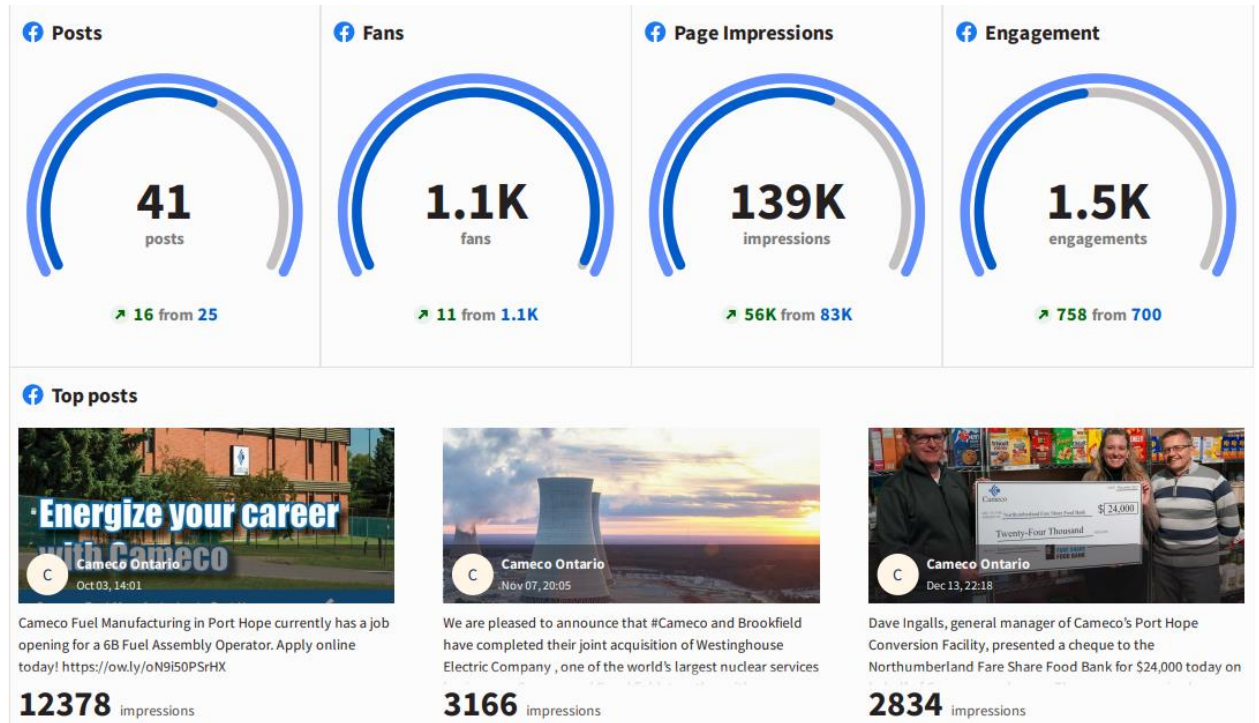
Cameco continued its community spotlight sponsorship with Elliot Lake Today which features local not-for-profits.

Public Disclosure

There were zero public disclosures during the fourth quarter: [Environment & Safety - Refining: Blind River - Fuel Services - Businesses - Cameco](#)

Social Media

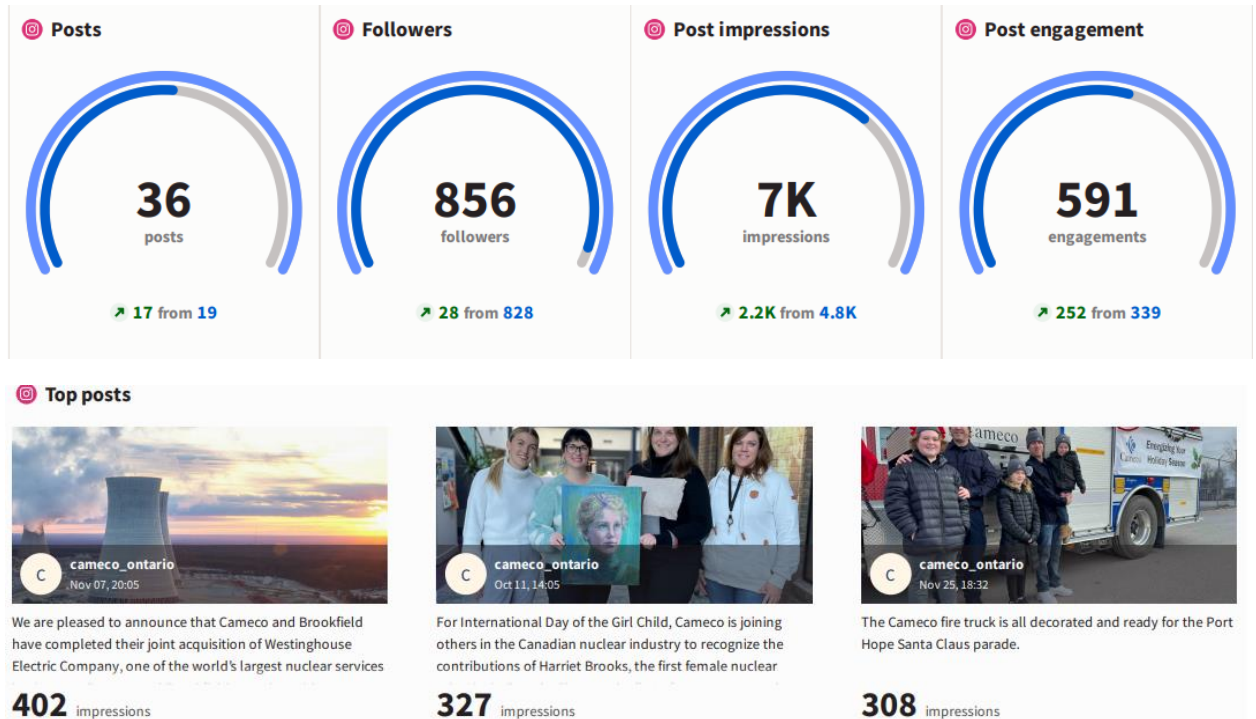
Facebook – October 1, 2023 to December 31, 2023



Cameco Ontario’s 41 posts covered information such as:

- Cameco’s participation at Loyalist College Industry Day and the NAYGN conference
- Recognition of the International Day of the Girl Child
- Cameco Fund for Mental Health application process and grants announcement
- A message from Cameco’s president and CEO
- Celebrating Cameco’s 35th Anniversary
- A message from Cameco’s chief operating officer
- Cameco’s participation at COP28
- Cameco’s sponsorship of Net Zero Nuclear

Instagram – October 1, 2023 to December 31, 2023



Photos and information featured on Instagram were similar to the Cameco Facebook page.

Website

News release announcing the opening of the application process for the Cameco Fund for mental health:

- [Cameco announces \\$19,000 for local mental health initiatives - News Archive - Media - Cameco Fuel Services](#)

News release announcing the Cameco Fund for Mental Health 2023 grant recipients:

- [Cameco Fund for Mental Health 2023 Awards Grants to Five Blind River area Organizations - News Archive - Media - Cameco Fuel Services](#)

The Q3 Compliance Report was posted to the website:

- [Media Library - Media - Cameco Fuel Services](#)

Media Analysis

Cameco received media coverage for the Cameco Fund for mental Health:

- **Cameco donates \$19K to support Blind River mental health projects** – December 14, 2023 – Elliot Lake Today
 - [Cameco donates \\$19K to support Blind River mental health projects - Elliot Lake News \(elliottaketoday.com\)](#)
- **Cameco donates \$19K to support Blind River mental health projects** – December 19, 2023 – My Espanola Now
 - [Cameco donates \\$19K to support Blind River mental health projects - My Espanola Now](#)
- **Cameco Fund for Mental Health 2023 awards grants to five Blind River area organizations** – December 27, 2023 – Elliot Lake Standard
 - [Cameco Fund for Mental Health 2023 awards | Elliot Lake Standard](#)

Cameco was featured as part of its community spotlight sponsorship with Elliot Lake Today:

- **Cameco Anniversary celebrates its history, employees and vision** – November 22, 2023 – Elliot Lake Today
 - [Cameco Anniversary celebrates its history, employees and vision - Elliot Lake News \(elliottaketoday.com\)](#)

The nuclear-news published an article about the preliminary decommissioning plans:

- **Nuclear tomb plan at Blind River criticized** – December 6, 2023 – Nuclear-News
 - [Nuclear tomb plan at Blind River criticized « nuclear-news](#)

Communications Products

News releases regarding the Cameco Fund for Mental Health were posted on the website and issued to local media.

- [Cameco announces \\$19,000 for local mental health initiatives - News Archive - Media - Cameco Fuel Services](#)
- [Cameco Fund for Mental Health 2023 Awards Grants to Five Blind River area Organizations - News Archive - Media - Cameco Fuel Services](#)

6.0 Indigenous Engagement

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 a live fire practice. Cameco also continues to work with MFN to formalize the relationship.

In the past, Serpent River First Nation (SRFN) requested to receive the Blind River Refinery's compliance report. Cameco continues that practice today.

The Métis Nation of Ontario (MNO) North Channel requested to be informed of noteworthy events and transportation incidents. For example, when there is a public disclosure regarding transportation, Cameco continues to uphold its commitment and provides this information.

The Cameco Fund for Mental Health news release with information on how to apply was sent via email to Mississauga First Nation on October 5, 2023. Cameco conducted on-site training and a tour of the Refinery with the Blind River Fire Department and MFN Fire Department on November 8, 2023. Cameco met in-person with MFN Chief and Council on December 21, 2023 to continue joint discussions and moving forward to formalize the relationship.

Cameco sponsored the MFN kids hockey float in the Santa Claus parade. Cameco also provided sponsorship to MFN for National Addiction Awareness week and the 50th anniversary of Little NHL.

The 2023 Q3 Compliance Report was sent to MFN and Serpent River FN.

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 neighbouring 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 neighbouring communities remains strong and we are committed to maintaining these strong relationships.