



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

**Reporting Period
July 1 - September 30, 2023**

**Blind River Refinery
Operating Licence
FFL-3632.0/2032**

**328 Eldorado Road
Blind River, Ontario
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Submitted to:
The Canadian Nuclear Safety Commission
P.O. Box 1046, Station B
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Ottawa, Ontario
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Submitted on November 23, 2023

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 third quarter of 2023. A lost time injury was recorded on August 3, 2023.

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1.0 Third 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 third quarter of 2023. A lost time injury was recorded on August 3, 2023.

The refinery was shut down for maintenance from the beginning of July until August 9, 2023. Upon restart, the plant operated at reduced rates due to denitration pot availability and issues with the spencer turbine. Production interruptions were experienced following restart due to issues with a newly installed 2nd stage boildown heat exchanger. In addition, there were two separate hydro outages that resulted in production losses. Overall, the plant was down a total of 46 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 third 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 Third Quarter Whole Body Dose				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	52	0.03	0	0.15
Administration/Support	58	0.14	0	0.45
Operations	90	0.33	0	1.49
All	200	0.20	0	1.49

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 third 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)
Q3 2022	163	0.19	0.00	1.34
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

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 third quarter of 2023.

Table 3

2023 Third Quarter Skin Dose				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	52	0.25	0	1.87
Administration/Support	58	0.21	0	1.07
Operations	90	1.56	0.04	6.63
ALL	200	0.83	0	6.63

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 third 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)
Q3 2022	163	0.91	0.00	4.40
Q4 2022	152	1.15	0.00	6.15
Q1 2023	151	1.74	0.00	14.1
Q2 2023	187	1.27	0.00	11.85
Q3 2023	200	0.83	0.00	6.63

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)
Q3 2022	44	0.46	0.00	2.07
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

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/Druff area.

Table 6

Third Quarter 2023 Eye Dose Results				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	52	0.13	0.00	0.87
Administrative Support	58	0.18	0.00	0.69
Operations	90	0.82	0.05	3.41
All	200	0.45	0.00	3.41

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 of 3.41 mSv is a production operator whose cumulative quarterly dose was 3.41 mSv. Direct Read Dosimeter's 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)
Q3 2022	163	0.48	0.00	2.21
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

Urinalysis

Table 8 shows the distribution of urine results for the third quarter of 2023. A total of 1686 urine samples were analyzed for uranium during the quarter. As shown in Table 6, approximately 98% of routine urine analysis results were less than 5 µg U/L in the quarter.

There was one result 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 thirty-two results measured above 5 µg U/L, twenty-one 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 third quarter of 2023.

Table 8

2023 Third Quarter Urinalysis Results	
Distribution of Results	Number of Results
Number of Samples ≤ 5 µg U/L	1653
Number of Samples >5 to ≤ 25 µg U/L	33
Number of Samples >25 to ≤ 50 µg U/L	0
Number of Samples ≥ 50 µg U/L	0
Number of Samples Analyzed	1686
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 0.07 mSv and 0.59 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)
Q3 2022	151	0.05	0.00	0.40
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

Lung Dose

The lung count trailer was not on-site during the period from July 1 to September 30, 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 Third Quarter Alpha Contamination Monitoring Results		
Area	Total Number of Measurements	Number of Readings Above IAL
Zone 1	316	1
Zone 2	4339	7
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 third quarter of 2023 is provided in Tables 11 and 12.

Table 11

2023 Third Quarter Uranium In-plant Air Sampling Results				
	# of	Average	Maximum	# of Samples above RL
Warehouse	632	3.9	78.9	0
UO3 Lab	3	0.2	0.2	0
Calcination	539	3.4	30.3	0
Main Aisle	3	6.1	9.0	0
MAINT. SHOP	3	0.2	0.2	0
Gravimetric Feeder	91	9.5	225.2	2
Digestion	93	4.2	37.9	0
Solvent Extraction	3	0.7	1.7	0
Sump Treatment	90	3.3	20.0	0
Equipment Decontamination	100	1.3	18.6	0
Aisle to Powerhouse	3	0.9	2.2	0
Boildown	178	2.4	144.5	2
Control Room	1	0.2	0.2	0
Denitration	503	12.8	312.9	12
U CONC Lab	3	0.5	1.0	0
DRaff/Raffinate	834	0.7	47.3	0
Respirator Level (RL) is 90 µg U/m ³				

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 Q3	398	0.016	0.533	16
2022 Q4	514	0.043	0.671	44
2023 Q1	627	0.060	1.082	95
2023 Q2	5	0.040	1.569	39
2023 Q3	376	0.014	1.089	11
Respirator Level (RL) is 0.15 Bq/m ³ Th-230				

The maximum in-plant air sample of 312.9 $\mu\text{g U}/\text{m}^3$ which was recorded on September 28, 2023, was the result of a plugged fume line on a denitration bin hood. The area was restricted, posted as a dust mask area, and workers were wearing respirators.

The maximum in-plant air sample of 1.089 Th-230 Bq/m^3 which was recorded on August 26, 2023, was the result of a faulty solenoid causing excessive dusting at the calciner. 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	7		18
Medical Diagnostic Procedures	1	1	2		4
Medical Treatment Injuries	0	1	2		3
Lost Time Injuries	0	0	1		1
Lost Time Injury Frequency	0	0	0.94		0.94
Lost Time Injury Severity	0	0	2.81		2.81

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 3.74.

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	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 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 Third Quarter Measured Fence Line Gamma Levels ($\mu\text{Sv/h}$)			
Fence Line	July	August	September
East	1.35	1.05	1.01
*North	0.08	0.08	0.10
South	0.82	1.03	0.85
West	1.49	1.71	1.47

*North fence CNSC Action Level 0.25 $\mu\text{Sv/h}$ (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 nitrogen oxide emissions. Total particulate emissions were elevated for several days during the restart of the refinery after the summer shutdown. The higher particulate is attributed to higher tank inventories upon startup and increased draw on those tanks to improve fume removal in the area. This resulted in elevated vapour droplets and particulate in the fume removal lines upon startup.

Table 16

Daily Stack Emissions by Quarter									
Source	Parameter	Limit	Action Level	Value	Q3	Q4	Q1	Q2	Q3
					2022	2022	2023	2023	2023
DCEV	Uranium (g U/h)	93 ^a	1.1 ^b	Quarterly Average	0.06	0.09	0.12	0.09	0.15
				Quarterly Maximum	0.20	0.17	0.20	0.16	0.62
Absorber	Uranium (g U/h)	21 ^a	0.65 ^b	Quarterly Average	0.01	0.01	0.02	0.01	0.02
				Quarterly Maximum	0.24	0.08	0.24	0.16	0.10
	Nitrogen Oxides (kg NO ₂ /h)	19 ^b	12 ^b	Daily Average	0.5	3.1	3.8	3.6	2.9
				Daily Maximum	4.8	4.1	4.7	5.0	4.7
Incinerator	Uranium (g U/h)	29 ^a	N/A	Quarterly Average	0.00	0.00	0.01	0.01	0.01
				Quarterly Maximum	0.00	0.00	0.01	0.02	0.01
All stacks	Particulate (g/h)	15,000 ^b	N/A	Daily Average	7	6	9	9	6
				Daily Maximum	23	13	18	22	64

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. Nitrate concentrations in liquid effluent were reduced compared to the same quarter in 2022 due to the chloride removal circuit not operating in Q3 of 2023.

Table 17

Liquid Effluent Discharges									
Parameter	Units of Measure	CNSC Licence Limit	Action Level	Value	Q3 2022	Q4 2022	Q1 2023	Q2 2023	Q3 2023
Uranium	mg/l	1.7 ¹	0.2	Average	0.02	0.02	0.02	0.01	0.01
				Max.	0.04	0.04	0.03	0.03	0.03
Nitrate	mg/l as N	N/A	120	Average	14.5	16.8	6.2	3.5	6.2
				Max.	57.3	45.4	17.5	7.5	12.9
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	6.9	7.3	7.6	7.7	7.7
				Daily Max. ²	8.2	7.8	8.0	8.3	8.6

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
Q3 2022	Average	0.0001	0.0007	0.0023	0.0001	0.0001
	Maximum	0.0004	0.0021	0.0039	0.0002	0.0001
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

5.0 Public Information Program

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

Public Engagement

During the third quarter of 2023 Cameco supported the Blind River Curling Club's annual fundraiser, Blind Riverfest and the Thessalon Community Days.

Cameco also supported the Pickle Ball club with new equipment for the schools program, sponsored the Blind River Beavers (hockey), Huron Pines Golf annual tournaments sponsorship and supported the Blind River Ladies Hockey.

On September 19, Cameco held a community barbeque to celebrate its 35th anniversary and share information about its operations and activities with the community. Leaders and subject matter experts were available to answer questions. Information boards featured information about the Blind River Refinery such as environmental monitoring, benefits of nuclear and the Public Information Program. Over 400 people attended the barbeque.

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

Public Disclosure

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

Posting Date	July 24, 2023
Incident Date	July 21, 2023
Incident	Transportation Incident
Details	<p>On July 21 a tractor and trailer carrying two sea containers of uranium ore concentrate drums collided with a moose on highway 17 near English River, ON. The shipment originated from Cameco's Key Lake operation and is destined for France.</p> <p>There was no damage to the trailer, sea containers or drums.</p> <p>There was no health or safety risk posed to the public, workers or the environment.</p>
Corrective Action	The Ontario Provincial Police were called and attended the scene. After confirming that there was no damage to the trailer, sea containers or the drums, the trailer was safely towed to Thunder Bay, Ontario. Another truck is being sourced to complete the journey. Cameco notified the Canadian Nuclear Safety Commission.
Cameco Environmental Effect Rating	1
Posting Date	August 21, 2023
Incident Date	August 21, 2023
Incident	Non-Occupational Emergency Transport
Details	<p>An ambulance was dispatched to the Blind River Refinery for a non-occupational medical emergency.</p> <p>There was no health or safety risk posed to the public, workers or the environment.</p>
Corrective Action	The worker was transported to hospital.
Cameco Environmental Effect Rating	1

Social Media

Cameco Ontario's Facebook community grew by six new page fans (1,107 total) and had a total of 1,115 page likes at the end of the quarter. Cameco Ontario's 25 posts covered information such as:

- Cameco recognized Canada Day on July 1
- Shared various career opportunities within Cameco
- Shared the Cameco ESG report
- Cameco recognized National Day of Truth & Reconciliation on September 30
- The first ever Cameco Community BBQ in Blind River on September 19
- Cameco's announcement of a \$100,000 gift to Habitat for Humanity Northumberland

By the end of the quarter the Instagram account had grown by 21 new followers for a total of 828 followers. Photos and information featured were similar to the Cameco Facebook page.

Website

The Q2 2023 Compliance Report was posted to the website: [Media Library - Media - Cameco Fuel Services](#)

Information about the community barbeque was posted to the website: [Blind River Community BBQ - Making a Difference - Community - Cameco Fuel Services](#)

Media Analysis

There was no media coverage of the Blind River Refinery during the quarter.

Communications Products

An invitation to the community barbeque was posted on the website and via social media. The invite was also posted on community bulletin boards.

[Blind River Community BBQ - Making a Difference - Community - 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.

Cameco emailed the transportation public disclosure to MNO North Channel.

Cameco sponsored the MFN Pow Wow on July 15/16 and sponsored the SRFN Pow Wow on August 12/13. Cameco also provided educational awards to SRFN. Cameco invited MFN to its 35th Anniversary Celebration barbeque in Blind River on September 19th.

Cameco met in-person with MFN Chief and Council on September 19th to continue joint discussions and moving forward to formalize the relationship.

The 2023 Q2 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.