



**2022 Fourth Quarter Compliance Monitoring
&
Operational Performance Report**

**Reporting Period
October 1 – December 31, 2022**

**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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Submitted on February 24, 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 fourth quarter of 2022.

Contents

1.0	Third Quarter Overview	4
1.1	Facility Operation	4
1.2	Physical Design/Facility Modification	4
2.0	Radiation Protection.....	5
3.0	Conventional Health and Safety	12
4.0	Environmental Protection	13
5.0	Public Information Program.....	17
6.0	Other Matters of Regulatory Interest	20
7.0	Concluding Remarks.....	21

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 2022.

The facility operated during the fourth quarter. There were no significant interruptions to operations in the fourth 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

2022 Fourth Quarter Whole Body Dose				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	13	0.08	0.00	1.89
Administration/Support	52	0.03	0.00	0.28
Operations	87	0.36	0.00	0.47
All	152	0.22	0.00	1.89

Table 2 shows the average, minimum, and maximum quarterly individual external whole-body exposures for the last five quarters. The maximum dose in the fourth quarter was typical for operating periods. The average was 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 2021	164	0.17	0.00	1.26
Q4 2021	150	0.23	0.00	1.74
Q1 2022	142	0.28	0.00	1.80
Q2 2022	151	0.28	0.00	2.63
Q3 2022	163	0.19	0.00	1.34
Q4 2022	152	0.22	0.00	1.89

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 2022.

Table 3

2022 Fourth Quarter Skin Dose				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	13	0.14	0.04	0.49
Administration/Support	52	0.14	0.00	1.52
Operations	87	1.90	0.00	6.15
ALL	152	1.15	0.00	6.15

Table 4 shows the employee average and maximum quarterly individual skin exposure results for the last five quarters. The average and maximum skin dose is 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 2021	150	1.14	0.00	11.9
Q1 2022	142	1.70	0.00	14.44
Q2 2022	151	1.43	0.00	15.0
Q3 2022	163	0.91	0.00	4.40
Q4 2022	152	1.15	0.00	6.15

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 2021	47	1.03	0.00	5.97
Q1 2022	45	1.26	0.00	11.71
Q2 2022	47	0.90	0.00	5.78
Q3 2022	44	0.46	0.00	2.07
Q4 2022	49	0.81	0.00	3.65

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 DRaff area.

Table 6

Fourth Quarter 2022 Eye Dose Results				
Work Group	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
NEW Contractors	13	0.11	0.00	0.48
Administrative Support	52	0.08	0.00	0.63
Operations	87	0.99	0.00	2.88
All	159	0.58	0.00	2.88

Table 7 shows the employee average, minimum and maximum quarterly individual external eye exposures for the four quarters of 2022. 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.

Table 7

Eye Dose Results by Quarter*				
Monitoring Period	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
Q1 2022	142	0.85	0.00	6.67
Q2 2022	151	0.75	0.00	7.96
Q3 2022	163	0.48	0.00	2.21
Q4 2022	159	0.58	0.00	2.88

*Note – Tracking eye dose results is a new requirement and additional quarters will be added to this table in future reports.

Urinalysis

Table 6 show the distribution of urine results for the fourth quarter of 2022. A total of 1036 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. The decrease in percentage is due to increased number of NEW contractors who submitted daily non-routine samples.

All results above 6.3 µg U/L (weekly routine submission) and 4.4 µg U/L (monthly routine submission) were screened by radiation protection staff. There were 14 samples over the screening level for the fourth quarter of 2022. Four were weekly routine samples and ten were non-routine post-shift samples.

No urine analysis action levels were exceeded in the fourth quarter of 2022.

Table 6

2022 Fourth Quarter Urinalysis Results	
Distribution of Results	Number of Results
Number of Samples $\leq 5 \mu\text{g U/L}$	1018
Number of Samples >5 to $\leq 25 \mu\text{g U/L}$	17
Number of Samples >25 to $\leq 50 \mu\text{g U/L}$	1
Number of Samples $\geq 50 \mu\text{g U/L}$	0
Number of Samples Analyzed	1036
Action Level $63 \mu\text{g U/L}$ (Routine Bi-Weekly Sample)	
Action Level $44 \mu\text{g U/L}$ (Routine Monthly Sample)	

Internal Dose (Urine)

Table 7 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 0.51 mSv.

Table 7

Internal Urine Dose by Quarter				
Year	Number of Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)
Q4 2021	138	0.06	0.00	0.56
Q1 2022	138	0.09	0.00	0.71
Q2 2022	146	0.07	0.00	0.85
Q3 2022	151	0.05	0.00	0.40
Q4 2022	134	0.08	0.00	0.51

Lung Dose

The lung count trailer was on site in the fourth quarter to complete the semi-annual lung counting campaign.

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 8 summarizes quarterly alpha monitoring results from Zone 1 and Zone 2 areas. Monitoring results include both swipe samples and direct contact surface measurements.

Table 8

2022 Fourth Quarter Alpha Contamination Monitoring Results		
Area	Total Number of Measurements	Number of Readings Above IAL
Zone 1	387	0
Zone 2	3777	15
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 2022 is provided in Tables 9 and 10.

Table 9

2022 Fourth Quarter Uranium In-plant Air Sampling Results				
	# of	Average	Maximum	# of Samples above RL
Aisle to Powerhouse	3	0.2	0.3	0
Boildown	145	4.0	318.3	3
Calcination	339	2.2	29.4	1
Control Room	0	N/A	N/A	0
Denitration	528	2.4	175.6	0
Digestion	45	6.7	110.6	0
DRaff/Raffinate	854	0.5	38.4	0
Equipment Decontamination	169	0.4	5.2	0
Gravimetric Feeder	42	10.6	169.2	0
Main Aisle	3	0.2	0.3	0
MAINT. SHOP	0	N/A	N/A	0
Solvent Extraction	3	2.0	5.4	0
Sump Treatment	58	1.8	29.1	0
U CONC Lab	3	0.2	0.3	0
UO ₃ Lab	3	0.2	0.3	0
Warehouse	622	1.1	27.9	6
Grand Total	2821	1.7	318.3	10
Respirator Level (RL) is 90 µg U/m ³				

The maximum in-plant air sample of 245 $\mu\text{g U/m}^3$ which was recorded on November 30, 2022, was the result of maintenance work completed in calcination. During the duration of the job, the area was restricted, posted as a dust mask area, and workers were wearing respirators.

Table 10 is a summary of thorium-230 (Th) in-air sampling results collected from the Draff area quarterly.

Table 10

2022 Thorium-in-Air Sampling Results				
Plant Area	# of Samples¹	Average Th-230 (Bq/m³)	Maximum Th-230 (Bq/m³)	# of Samples above RL
2021 Q4	422	0.03	1.67	20
2022 Q1	497	0.05	0.75	60
2022 Q2	452	0.033	1.375	30
2022 Q3	398	0.016	0.533	16
2022 Q4	514	0.043	0.671	44
Respirator Level (RL) is 0.15 Bq/m ³ Th-230				

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 11 below lists the safety statistics for the refinery for the quarter and year-to-date.

Table 11

2022 Safety Statistics					
Quarter / Parameter	Q1 2022	Q2 2022	Q3 2022	Q4 2022	YTD
First Aid Injuries	4	5	5	1	25
Medical Diagnostic Procedures	1	2	1	6	10
Medical Treatment Injuries	0	0	0	0	0
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

There were no lost time injuries in the quarter. The Total Recordable Injury Rate (TRIR) YTD is 2.37. BRR achieved a company record 16 years without a lost time accident on June 19, 2022.

Health and Safety Activities

Covid-19 precautions continued to be reviewed, approved, and deployed as conditions arose. In November 2021, Cameco mandated COVID vaccination requirements at the refinery.

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 12.

Table 12

Public Dose by Quarter (mSv)					
DRL Component	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
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 13. Dose rates along the east, west and south fencelines will regularly fluctuate due to changes in onsite inventory (quantity and yard location).

Table 13

2022 Fourth Quarter Measured Fence Line Gamma Levels ($\mu\text{Sv/h}$)			
Fence Line	October	November	December
East	0.75	0.91	0.94
*North	0.09	0.16	0.06
South	0.74	0.85	0.72
West	1.57	1.53	1.40

*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.

Stack uranium emissions by quarter are shown in Table 14. Average emission rates were within the range of the previous four quarters. The maximum rate from the absorber stack in Q3 was higher than typically seen and was attributed to startup of the plant after the summer shutdown. The release limits changed with the new licence issued February 2022.

Table 14

Daily Stack Emissions by Quarter									
Source	Parameter	Limit	Action Level	Value	Q4	Q1	Q2	Q3	Q4
					2021	2022	2022	2022	2022
DCEV	Uranium (g U/h)	93 ^a	1.1 ^b	Quarterly Average	0.07	0.09	0.08	0.06	0.09
				Quarterly Maximum	0.11	0.22	0.24	0.20	0.17
Absorber	Uranium (g U/h)	21 ^a	0.65 ^b	Quarterly Average	0.01	0.02	0.01	0.01	0.01
				Quarterly Maximum	0.02	0.06	0.05	0.24	0.08
	Nitrogen Oxides (kg NO ₂ /h)	19 ^b	12 ^b	Daily Average	2.5	3.4	3.6	0.5	3.1
				Daily Maximum	4.2	6.0	5.2	4.8	4.1
Incinerator	Uranium (g U/h)	29 ^a	N/A	Quarterly Average	0.00	0.00	0.00	0.00	0.00
				Quarterly Maximum	0.01	0.01	0.01	0.00	0.00
All stacks	Particulate (g/h)	15,000 ^b	N/A	Daily Average	9	11	11	7	6
				Daily Maximum	13	25	30	23	13

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 15. Nitrate concentrations in liquid effluent were reduced due to the chloride removal circuit undergoing maintenance in Q4.

Table 15

Liquid Effluent Discharges									
Parameter	Units of Measure	CNSC Licence Limit	Action Level	Value	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Uranium	mg/l	1.7 ¹	0.2	Average	0.01	0.02	0.02	0.02	0.02
				Max.	0.03	0.04	0.02	0.04	0.04
Nitrate	mg/l as N	N/A	120	Average	5.55	28.4	32.2	14.5	16.8
				Max.	10.4	41.7	44.8	57.3	45.4
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	7.4	7.2	7.4	6.9	7.3
				Daily Max. ²	8.3	7.7	8.1	8.2	7.8

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 16 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 16

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 2021	Average	0.0003	0.0011	0.0081	0.0002	0.0002
	Maximum	0.0006	0.0017	0.0260	0.0002	0.0002
Q1 2022	Average	0.0003	0.0006	0.0041	0.0002	0.0002
	Maximum	0.0007	0.0013	0.0087	0.0003	0.0002
Q2 2022	Average	0.0007	0.0009	0.0048	0.0001	0.0001
	Maximum	0.0010	0.0015	0.0058	0.0002	0.0002
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

5.0 Public Information Program

During the fourth quarter of 2022, BRR continued to meet the requirements of CNSC REGDOC 3.2.1, Public Information and Disclosure programs.

Public Engagement

During the fourth quarter of 2022 Cameco sponsored the Huron Pines Golf Club community golf tournaments, the Blind River Beavers, the Red Wings and Beavers Epilepsy Awareness Fundraiser Game, the Blind River XC Ski Club's trail upgrade project, Ecole Secondaire Jeunesse North's event tent, the Bea Jensen Community Pavilion accessibility mats, the Blind River Santa Claus Parade and the Blind River and area Christmas baskets.

On October 20, Cameco issued a news release to local media to announce the details of the application process for the Cameco Fund for Mental Health. The recipients of the Fund were announced on December 16 via a news release. Both releases were posted online and promoted via social media.

Public Disclosure

There was one public disclosure during the fourth quarter: [Environment & Safety – Refining: Blind River – Fuel Services – Businesses – Cameco](#)

Posting Date	October 10, 2022
Incident Date	October 11, 2022
Incident	Transportation Incident
Details	<p>At approximately 5:15 p.m., a truck and trailer carrying uranium ore concentrate destined for the Blind River Refinery was involved in a traffic accident on Highway 17 near Calvin, Ontario. A vehicle in the eastbound lane crossed the centre line, made contact with the side of the truck, and then with the front trailer. There was no damage to the sea container, and it remained secured on the trailer.</p> <p>The OPP attended the scene of the accident.</p>
Corrective Action	The Canadian Nuclear Safety Commission was notified. A new trailer was dispatched to transfer the sea container and continue its journey to the Blind River Refinery.
Cameco Environmental Effect Rating	1

Social Media

Cameco Ontario’s Facebook community grew by 20 new followers (1,259 total) and had a total of 1,053 page likes at the end of the quarter. Cameco Ontario’s 24 posts covered information such as:

- Various career opportunities at Cameco
- Promoted the Step Up for Mental Health application process for Blind River
- Recognized Remembrance Day on November 11
- Shared a Cameco holiday greeting on December 13
- Announced the grant recipients from the Cameco Fund for Mental Health on December 16
- Shared the employee giving campaign total for all of Cameco, including all sites in Ontario

By the end of the quarter the Instagram account had grown by 27 new followers for a total of 718 followers. Photos and information featured were similar to the Cameco Facebook page.

Indigenous Engagement

Cameco provided the potential flood scenario presentation to Mississauga First Nation (MFN) as requested. Cameco's VP Fuel Services Division, VP Sustainability and Stakeholder Relations, BRR general manager and manager, public and government affairs met with MFN Chief and council members on December 20. The meeting was a continuation of discussions for potential opportunities to establish a path forward on building a new relationship and areas of interest.

MFN was notified of the live fire practices on October 20 (scheduled but cancelled), October 26 and December 20.

The 2022 Q3 Compliance Report was sent to MFN and Serpent River FN on November 29 via Purolator.

Website

The Q3 2022 Compliance Report was posted to the website: [Media Library - Media - Cameco Fuel Services](#)

Media Analysis

The Blind River Refinery was mentioned in various articles:

- **Blind River's Cameco accepting funding applications**
Elliot Lake Today – October 20, 2022
[Blind River's Cameco accepting funding applications - Elliot Lake News \(elliottlaketoday.com\)](#)
- **Cameco Fund for Mental Health delivers community donations**
Elliot Lake Today – December 19, 2022
[Cameco Fund for Mental Health delivers community donations - Elliot Lake News \(elliottlaketoday.com\)](#)
- **Cameco Fund for Mental Health delivers community donations**
MyAlgomaManitoulinNow.com – December 19, 2022
[Cameco Fund for Mental Health Delivers community donations - My Algoma Manitoulin Now](#)

6.0 Other Matters of Regulatory Interest

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

7.0 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.