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February 24, 2026

Mr. Saif Khan
Project Officer
Nuclear Processing Facilities Division
Canadian Nuclear Safety Commission
280 Slater Street
Ottawa, ON K1P 5S9

Dear Mr. Khan,

Quarterly Compliance Report – Port Hope Conversion Facility

Please find attached the Port Hope Conversion Facility's fourth quarter 2025 Quarterly Compliance Monitoring & Operational Performance Report [Attachment 1]. The report has been written to comply with the requirements in the CNSC document, REGDOC 3.1.2 Reporting Requirements, Volume I: Non-Power Reactor Class I Nuclear Facilities and Uranium Mines and Mills.

If you have any questions or concerns regarding this matter, please contact me.

Sincerely,

Laura Sayeau
Superintendent, SHEQ

c: Ms. Claire Pike, Canadian Nuclear Safety Commission
Mr. Mike Jones, Canadian Nuclear Safety Commission
Mr. David Bradley, Ministry of the Environment, Conservation and Parks
Ms. Melissa Grieger, Ministry of the Environment, Conservation and Parks
Ms. Samantha Bird, Ministry of the Environment, Conservation and Parks
Mr. D. Kim, Environment Canada
Ms. Catalin Obreja, Environment Canada
Port Hope Library

Attachments:

[1] 2025 Fourth Quarter Compliance Monitoring & Operational Performance Report – Port Hope Conversion Facility

2025 Fourth Quarter Compliance Monitoring & Operational Performance Report

Reporting Period October 1 – December 31, 2025

Port Hope Conversion Facility
Operating Licence FFOL -3631.00/2027

One Eldorado
Place Port Hope,
Ontario L1A 3A1

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

Submitted On: February 24, 2025

I Executive Summary

Cameco Corporation (Cameco) is committed to the safe, clean, and reliable operation of all its facilities and continually strives to improve its performance and processes to ensure the safety of both its employees and local residents. The Port Hope Conversion Facility (PHCF) 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, the PHCF has maintained 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.

Cameco utilizes administrative levels and action levels to provide early detection of issues and ensure levels remain well below regulatory limits. A variety of control measures and practices are employed as part of site programs to ensure the protection of the public, site employees and the environment. A robust ALARA program is in place to ensure continual improvement and to ensure exposures and emissions remain well below action levels.

II Table of 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 those for Safety, Health, Environment and Quality (SHEQ), provide guidance and direction for all site- based programs and procedures that define the PHCF Quality Management System.

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

There was one event reported in the fourth quarter of 2025.

- On October 3, 2025, an employee had a post-shift fluoride in urine result of 7.1 mg F/L. On October 6, 2025, a subsequent pre-shift sample showed a further elevated level of 9.4 mg F/L. Both of these results exceed the action level of 7 mg F/L. Following an investigation, these results were found to be non-occupational related to tea drinking.

The UF_6 plant ran uninterrupted and without incident in the fourth quarter with the exception of a short, planned maintenance outage in October. The UO_2 plant operated until December 19, shut down for the holidays and restarted January 5.

1.2 Physical Design / Facility Modification

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

At the PHCF, changes to the physical design of equipment, processes, and the facility with the potential to impact safety are evaluated using the internal design change process described in *Process and Design Change Control, CQP-113*. Changes are reviewed through Cameco's management of change workflow, which ensures all potential impacts to the environment as well as to the health and safety of personnel are evaluated prior to implementation.

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. Cameco manages its Radiation Protection Program at the PHCF using ALARA principles to ensure doses are maintained well below regulatory limits.

Whole Body Dose

Table 1 shows the whole-body dose summary results from Q4 2025 for six work groups: UF_6 Plant; UO_2 Plant; Maintenance; Technical Support (including Nuclear Energy Worker (NEW) contractors); Corporate Technical Services; and Administration.

Table 1

Fourth Quarter 2025 Whole Body Dose Results				
Work Group	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
UF_6 Plant	110	0.20	0.00	1.32
UO_2 Plant	24	0.12	0.00	0.34
Maintenance	89	0.12	0.00	0.77
Technical Support [1]	526	0.02	0.00	0.63
Corporate Technical Services	30	0.00	0.00	0.03
Administration	90	0.00	0.00	0.00
Total (Max)	**869**	**0.05**	**0.00**	**1.32**
[1]Includes contractors (NEWs)				

Table 2 shows the average, minimum and maximum quarterly individual external whole-body exposures from Q4 2024 through Q4 2025. The average whole-body dose is stable compared to previous quarters. The maximum whole-body dose received by UF_6 personnel was related to work in the flame reactor area.

Table 2

Whole Body Dose Results by Quarter				
Monitoring Period	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
Q4 2024	770	0.04	0.00	1.21
Q1 2025	750	0.05	0.00	1.42
Q2 2025	873	0.06	0.00	1.37
Q3 2025	886	0.05	0.00	2.21
Q4 2025	869	0.05	0.00	1.32

Skin Dose

Table 3 shows the quarterly skin dose summary results for six work groups: UF_6 Plant; UO_2 Plant; Maintenance; Technical Support (including NEW contractors); Corporate Technical Services; and Administration. The highest exposures are from the UF_6 work group related to work in the flame reactor areas.

Table 3

Fourth Quarter 2025 Skin Dose Results				
Work Group	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
UF_6 Plant	110	0.72	0.00	6.78
UO_2 Plant	24	0.23	0.00	0.80
Maintenance	89	0.48	0.00	2.65
Technical Support[1]	526	0.05	0.00	1.10
Corporate Technical Services	30	0.02	0.00	0.33
Administration	90	0.00	0.00	0.00
Total (Max)	**869**	**0.17**	**0.00**	**6.78**
[1]Includes contractors (NEWs)				

Table 4 shows the average and maximum quarterly individual skin exposure for Q4 2024 through Q4 2025. The average skin dose is consistent to previous quarters during which production was operational.

Table 4

Skin Dose Results by Quarter				
Monitoring Period	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
Q4 2024	770	0.21	0.00	4.71
Q1 2025	750	0.17	0.00	8.31
Q2 2025	873	0.15	0.00	5.68
Q3 2025	886	0.24	0.00	8.54
Q4 2025	869	0.17	0.00	6.78

Eye Dose

Table 5 shows the quarterly eye dose summary results for six work groups: UF_6 Plant; UO_2 Plant; Maintenance; Technical Support (including NEW contractors), Corporate Technical Services; and Administration. The highest exposure is from the UF_6 work group related to time in the flame reactor areas of the UF_6 plant.

Table 5

Fourth Quarter 2025 Eye Dose Results				
Work Group	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
UF_6 Plant	110	0.45	0.00	3.76
UO_2 Plant	24	0.19	0.00	0.59
Maintenance	89	0.29	0.00	1.49
Technical Support[1]	526	0.03	0.00	0.80
Corporate Technical	30	0.01	0.00	0.18
Administration	90	0.00	0.00	0.00
Total (Max)	**869**	**0.11**	**0.00**	**3.76**
[1]Includes contractors (NEWs)				

Table 6 shows the average and maximum quarterly individual external eye exposures for Q4 2024 through Q4 2025. The average eye dose is similar to previous quarters.

Table 6

Eye Dose Results by Quarter				
Monitoring Period	**Number of Individuals**	**Average Dose (mSv)**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**
Q4 2024	770	0.13	0.00	2.57
Q1 2025	750	0.11	0.00	4.41
Q2 2025	873	0.11	0.00	3.24
Q3 2025	886	0.14	0.00	4.63
Q4 2025	869	0.11	0.00	3.76

Urine Analysis

The urine analysis action levels are presented in Table 7 below.

Table 7

Urine Analysis Action Levels		
Parameter		**Action Level**
Urinalysis (NEW)	Weekly - UO_2/UF_6 Operators, Maintenance, Technical Support	65 µg U/L
	Monthly - Administrative Support	25 µg U/L
	Long-term Contractors	65 µg U/L
	Short-term Contractors	80 µg U/L
	Chemical toxicity – post shift sample	500 µg U/L
	Fluoride toxicity – all samples	7 mg F/L
Urinalysis (Non-NEW)	Daily - Routine Sample	40 µg U/L
	Monthly - Routine Sample	25 µg U/L
	Chemical Toxicity - Post Shift Sample	500 µg U/L
	Fluoride Toxicity – All Samples	4 mg F/L

Table 8 shows the distribution of urine results for Q4 2025. A total of 13,222 urine samples were collected and analyzed for uranium during Q4 2025. The majority of routine urine analysis results (97.0%) were less than 5 µg U/L in the quarter.

All results above 13 µg U/L were screened by radiation protection staff. All were investigated and corrective actions were taken where appropriate. There were no official investigations completed in the fourth quarter.

Table 8

Fourth Quarter 2025 Routine Urine Analysis Results	
Distribution of Results	**Q4 2025**
Number of Samples < 5 µg U/L	12,831
Number of Samples > 5 to < 25 µg U/L	364
Number of Samples > 25 to < 50 µg U/L	25
Number of Samples > 50 µg U/L	2
Number of Samples Analyzed (Uranium)	13,222

Table 9 presents the internal urine analysis doses for the last five quarters. The average and maximum internal urine analysis doses in the quarter were 0.01 mSv and 0.37 mSv, respectively, which was consistent with previous quarters.

Table 9

Internal Dose (Urine) by Quarter				
Quarter	**Number of Individuals**	**Minimum Dose (mSv)**	**Maximum Dose (mSv)**	**Average Dose (mSv)**
Q4 2024	656	0.00	0.49	0.01
Q1 2025	634	0.00	0.29	0.01
Q2 2025	730	0.00	0.35	0.01
Q3 2025	766	0.00	0.41	0.01
Q4 2025	750	0.00	0.37	0.01

Fluoride in Urine

A total of 7,951 urine samples were analyzed for fluoride during Q4 with summary results provided in Table 10.

There were 4 samples above the internal administrative investigation level of 4 mg F/L during Q4. All results were investigated and determined to be non-occupational (related to tea drinking).

Table 10

Fourth Quarter 2025 Fluoride in Urine Analysis Results			
Type of Fluoride Samples	**Number of Samples**	**Minimum Concentration (mg F/L)**	**Maximum Concentration (mg F/L)**
All fluoride samples	7,951	0.0	9.4
Routine post-shift fluoride samples >= 7 mg F/L	1	-	-
Routine post-shift fluoride samples >= 4 mg F/L	1	-	-
Non-routine fluoride samples	458	-	-
Samples analyzed for U, insufficient volume (<30mL) for F analysis	86	-	-

Lung Counting

The lung count trailer was located at the Blind River Refinery (BRR) for October and into November counting BRR personnel. The trailer returned to the PHCF in November. Contractors and Cameco Fuel Manufacturing (CFM) personnel were counted in November/December.

Contamination Control

The PHCF is divided into three zones for contamination control purposes. Zone 1 areas (clean areas - no radioactive sources other than monitoring equipment) are clearly delineated. Whole body monitors are located at the Zone 1 boundary in the main lobby, men's, and women's change rooms. There is also a monitor located at the gate 12 vehicle port. In Zone 2 areas and the yard Zone 3 areas (transition areas – may contain limited amounts of uranium compounds), no visible contamination should exist and, when detected, loose contamination is promptly isolated, monitored, cleaned, and monitored again to ensure the contamination has been removed. Zone 3 production areas are production areas where uranium compounds

are expected. Incidents of zone contamination are presented in Table 11.

Table 11

Q4 2025 Alpha Contamination Monitoring Results			
Area	**Number of Samples Taken**	**Zone Contamination Criteria (Bq/cm^2)**	**Number of SamplesAbove Criteria**
Site 1 - Zone 1	1,127	0.4	0
Site 1 - Zone 2	12,611	0.4	33
Site 1 - Zone 3 (Yard)*	5	4.0	1
Site 2 – Zone 2	369	0.4	0

*Note – Samples are not routinely required in the yard area. Samples are taken as required if contamination is suspected.

The contamination in Zone 2 areas was primarily detected in the office areas and lunchrooms of production buildings. Contamination measurements are taken upon request in Zone 3 areas when contamination is suspected and only documented when above the applicable levels.

In-Plant Air

Routine air sampling is performed by collecting airborne particulates on air sampling filters and quantifying the airborne concentration of uranium. The Q4 results are presented in Table 12.

The site administrative level and derived air concentration (DAC), based on slow moving (low solubility) material, is 100 µg U/m^3 but protective measures, such as investigation and respiratory protection, are normally required as a precaution at lower DAC levels. Continuous air monitoring equipment (iCAMs) in the UF_6 and UO_2 plants are also used to provide early warning and to prompt response to elevated airborne uranium concentrations. Local alarms and direct communication with the control rooms provide early warnings to plant personnel.

Table 12

Fourth Quarter 2025 In-Plant Air Uranium Concentration by Operations Group				
Operations Group	**Number of Samples Taken**	**Average (µg U/m^3)**	**Maximum (µg U/m^3)**	**Number of Samples Taken Above AdministrativeLevel**
UF_6 Plant	4,795	17.2	723.6	258
UO_2 Plant	1,447	3.2	38.6	0
Waste Recovery	760	1.2	9.4	0
CUP	469	1.1	12.3	0

The average in-plant air concentrations are consistent when compared with previous quarters.

3.0 Conventional Health and Safety

This safety and control area covers the implementation of a program to manage non-radiological workplace safety hazards and to protect personnel and equipment. Conventional safety statistics are presented in Table 13.

Table 13

2025 Safety Statistics					
Quarter / Parameter	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**	**YTD**
First Aid Injuries	15	22	12	7	56
Medical Diagnostic Procedures	9	2*	3*	2	16
Medical Treatment Injuries	2	2*	1*	4	9
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
Other Recordable Injuries	0	0	0	0	0

* Q2 – Medical diagnostic injury was upgraded to a medical treatment injury
* Q3 – Medical treatment injury was determined to be non-occupational, a medical diagnostic injury was reported in Q4 (STS shift), and a medical treatment injury was reclassified as a medical diagnostic.

Health and Safety Activities

- **Communications**: OHS and CSSC continued to issue safety bulletins to promote focus on continuing safety awareness. Safety meeting presentations were also used to communicate safety focused messages.
- **Education and Training**: Training continued routinely using both in-person methods and computer-based learning.
- **Safety Awareness Activities**: A vendor show was hosted during the fourth quarter featuring multiple vendors who showcased a range of safety-related products and services to employees and contractors. Ideas and solutions presented at the event are being used to support on-site improvement initiatives. In addition, the fourth quarter hazard identification promotion “Spot the Hazard” was successfully delivered with prizes awarded as part of the event.
- **CSSC:** The CSSC committee continues to meet for regulatory meetings. In the fourth quarter, the CSSC set objectives and targets for 2026.
- **Safety & Industrial Hygiene**: The safety group focused on finalizing ergonomic and HIRAC effectiveness reviews in the fourth quarter of 2025.

- **Total Recordable Injury Rate (TRIR):** TRIR YTD = 1.85 (7 First Aids, 2 Medical Diagnostic, 4 Medical Treatments for Q4). Contractor TRIR YTD is 1.60**.**

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

ORL equations for Site 1 and Site 2 have been derived and are expressed in the form shown below.

$$\text{Public Dose} = \text{Dose}_{\text{Air}} + \text{Dose}_{\text{Water}} + \text{Dose}_{\text{Gamma}} < 0.3 \text{ mSv/y}$$

The monthly dose from Site 1 and Site 2 are based on monitoring results for each dose component as shown in Table 14.

Table 14

Quarterly Dose (mSv/quarter)					
ORL Component	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**	**2025 Total**
Air	< 0.001	< 0.001	< 0.001	< 0.001	0.001
Water	< 0.001	< 0.001	< 0.001	< 0.001	<0.001
Gamma – Site 1	0.012	0.016	0.023	0.014	0.065
Gamma – Site 2	0.012	0.019	0.021	0.017	0.069
Quarterly Dose – Site 1	0.012	0.016	0.024	0.014	0.066
Quarterly Dose – Site 2	0.012	0.019	0.022	0.017	0.071

Gamma Monitoring

Dose to the public is calculated for both site 1 and 2 using specific gamma fenceline monitoring locations. The results at station 2 are used for site 1 public dose calculations and the results at station 21 are used for site 2 public dose calculations. The results at these locations for this quarter are summarized and compared with regulatory action levels in Table 15.

There were no monthly gamma radiation action levels exceeded during the fourth quarter.

Table 15

Fourth Quarter 2025 Public Dose Gamma Monitoring Results					
Station Number	**October**	**November**	**December**	**Action Level (µSv/h)**	**Licence Limit (µSv/h)**
2	N/A*	0.134	0.182	0.400	0.570
10	N/A*	0.000	0.005	0.400	0.610
21	N/A*	0.000	0.030	0.250	0.260

*October dosimeter badges were deployed for two months due to a shipping issue from the supplier.

Air Emissions

The quarterly average and maximum stack emissions from the UF_6 plant main stack and the UO_2 plant main stack are presented in Table 16.

A stack monitoring program is used to determine the airborne uranium emission rates daily from the main stacks of the UF_6 and UO_2 plants.

No licensed action levels were exceeded for uranium emissions from the UF_6 plant main stack in the quarter. The UF_6 main stack average uranium emission rate was consistent with previous quarters during which production was operational.

No licensed action levels were exceeded for uranium emissions from the UO_2 plant main stack in the quarter. The UO_2 main stack average uranium emission rate was consistent with previous quarters during which production was operational.

Fluoride emissions from the UF_6 main stack are sampled and analyzed on a continuous basis using an on-line analyzer and the data is collected on the plant computer system. No licensed action levels were exceeded for fluorides in the quarter. The UF_6 main stack average fluoride emission rate was consistent with previous quarters during which production was operational.

The UO_2 main stack is also continuously sampled for ammonia. No licensed action levels were exceeded for ammonia emissions from the UO_2 plant main stack in the quarter. The UO_2 main stack average ammonia emission rate was consistent with previous quarters.

Table 16

Daily Main Stack Emissions by Quarter									
Plant	**Parameter**	**Licence Limit**	**Action Level**	**Value**	**Q4 2024**	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**
UF_6	Uranium g U/h	280	40	Quarterly Daily Average	1.9	2.2	2.0	3.0	1.7
				Quarterly Daily Maximum	5.3	5.7	4.7	19.5	3.7
	Hydrogen Fluoride g HF/h	650	230	Quarterly Daily Average	10	14	10	13	15
				Quarterly Daily Maximum	139	200	189	99	91
UO_2	Uranium g U/h	240	10	Quarterly Daily Average	0.5	0.9	0.9	1.1	1.1
				Quarterly Daily Maximum	0.9	1.9	1.6	4.5	2.4
	Ammonia kg NH3/h	58	10	Quarterly Daily Average	2.0	2.0	2.0	1.4	2.3
				Quarterly Daily Maximum	3.7	3.3	5.1	3.3	4.1

Liquid Discharges

The sanitary sewer action level was revised in the second quarter of 2024. A daily uranium action level of 100 µg U/L (0.10 mg U/L) applied through June 18, 2024. Effective June 19, 2024, the action level was revised to a monthly mean action level of 150 µg U/L (0.15 mg U/L). The monthly mean release limit of 275 µg U/L (0.275 mg U/L) otherwise remains unchanged.

Tables 17 summarizes quarterly average and daily maximum uranium concentrations, as well as pH ranges, for recent quarterly periods. Table 18 details monthly average and daily maximum uranium concentrations for the fourth quarter of 2025. Facility discharge quality remained well below both the monthly mean action level and monthly mean limit throughout the quarter. No uranium excursions were recorded between the fourth quarter of 2024 and the fourth quarter of 2025.

The magnitude and frequency of precipitation events have been seen to influence sanitary sewer quality as a function of an increase in groundwater infiltration potential. Cameco continues to evaluate targeted sanitary sewer infrastructure rehabilitation, replacement and/or abandonment tasks, taking into consideration work completed to date and planned Vision in Motion (VIM) project sanitary sewer system improvements.

Building l3 lateral service improvements on the utility alignment between Building 13 and the sanitary sewer main were completed in September 2024. A portion of the service was replaced, and the balance of the alignment was relined.

Upcoming focus areas include the replacement and realignment of sewer infrastructure servicing existing facility lift stations and portions of Building 20, and the abandonment of associated, inactive utilities. Work was initiated on the replacement/realignment of infrastructure adjacent to Building 32 in 2024, but the site project work was halted due to challenges posed by subsurface utility interferences. The sanitary sewer work will resume at a later date.

Table 17

Sanitary Sewer Discharge Data by Quarter							
Parameter	**Units of Measure**	**Value**	**Q4 2024**	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**
Uranium	mg U/L	Average	0.0040	0.0040	0.0074	0.0030	0.0044
		Maximum	0.011	0.015	0.026	0.0085	0.041
pH	-	Minimum	7.32	7.25	7.56	7.20	7.50
		Maximum	8.68	8.38	8.62	8.34	8.34

Table 18

Q4 2025 Monthly Sanitary Sewer Discharges			
Period	**Sanitary Sewer Action Level/Release Limit**	**Monthly Average Uranium Concentration (µg U/L)**	**Daily Maximum Uranium Concentration (µg U/L)**
October	Monthly mean action level of 150 µg U/L Monthly mean release limit of 275 µg U/L	2.6	8.1
November		3.8	10
December		7.0	41

Ambient Air Monitoring

Table 19 shows the quarterly all-station average and maximum uranium dustfall results from Q4 2024 through to Q4 2025.

No uranium dustfall results exceeded the internal administrative screening level in the fourth quarter. The average uranium in dustfall results in the fourth quarter of 2025 were consistent with the uranium in dustfall averages during the previous quarters.

Table 19

Uranium in Dustfall Results by Quarter (mg U/m^2/30 days)					
Value	**Q4 2024**	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**
Average	0.1	0.1	0.2	0.2	0.1
Maximum	0.2	1.5	0.5	1.3	0.3
Internal Administrative Screening Level = 10 mg U/m^2/30 days					

Table 20 summarizes the average and maximum uranium hi-vol results from Q4 2024 through Q4 2025. The average uranium in hi-vol results in the fourth quarter of 2025 were consistent with the uranium in hi-vol averages during the previous quarters.

Table 20

Uranium-in-Air Concentration at Hi-Vol Stations by Quarter (µg U in TSP/m^3)					
Quarter	**Result**	**Waterworks**	**Shuter Substation**	**Marsh Street**	**Hayward Street**
Q4 2024	Average	0.001	0.002	0.007	0.002
	Maximum	0.011	0.083	0.238	0.017
Q1 2025	Average	0.002	0.001	0.003	0.002
	Maximum	0.011	0.003	0.043	0.020
Q2 2025	Average	0.002	0.001	0.007	0.004
	Maximum	0.012	0.005	0.032	0.030
Q3 2025	Average	0.002	0.001	0.007	0.003
	Maximum	0.067	0.012	0.056	0.017
Q4 2025	Average	0.001	0.001	0.006	0.002
	Maximum	0.005	0.019	0.053	0.017
Average <0.06 µg U in TSP/m^3 (annual) AAQC Maximum <0.3 µg U in TSP/m^3 (24 hr) AAQC					

Table 21 shows the quarterly all-station average and maximum fluoride dustfall results from Q4 2024 through to Q4 2025. The average results are comparable to those seen in previous quarters.

Table 21

Fluoride in Dustfall Results by Quarter (mg F/m^2/30 days)					
Value	**Q4 2024**	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**
Average	1.0	2.6	0.8	1.1	1.4
Maximum	9.3	34	4.1	6.7	9.7
Internal Administrative Screening Level = 20 mg F/m^2/30 days					

Table 22 shows the average and maximum lime candle results from the fourth quarter of 2024 through to the fourth quarter of 2025. The average results are comparable to levels observed in the previous quarters.

Table 22

Monthly Lime Candle Results by Quarter (µg F/100 cm^2/30 days)					
Value	**Q4 2024**	**Q1 2025**	**Q2 2025**	**Q3 2025**	**Q4 2025**
Average	3	3	5	5	3
Maximum	10	5	10	14	10
The desirable ambient air quality criteria for lime candles are to protect forage crops consumed by livestock. During the summer growing season (April 1 – October 31), the criteria is 40 µg F/100 cm^2/30 days, changing to 80 µg F/100cm^2/30 days in winter (November 1 – March 31).					

5.0 Public Information Program

During the fourth quarter of 2025, PHCF continued to meet the requirements of CNSC RD/GD 3.2.1, Public Information and Disclosure programs.

Public Engagement

From October 5-8, representatives from Cameco attended the Women in Nuclear (WiN) Conference in Niagara Falls. Cameco was a uranium sponsor of the event and had an exhibition booth set up to speak with industry professionals, students and other attendees. On October 8, Women in Nuclear (WiN) participants were provided with a tour of PHCF.

Cameco issued a news release in early October to announce that the Cameco Fund for Mental Health application period was open. The news release was promoted online and distributed to local media. Recipients of the Cameco Fund for Mental Health were announced in a second news release on December 8.

On October 10, representatives from Cameco attended OPG's Nuclear Discovery Centre Grand Opening.

On November 6, Cameco hosted a screening of *The Nuclear Frontier* documentary at the Capitol Theatre in Port Hope, featuring a fireside chat with Cameco's CEO and the Port Hope Mayor. Cameco emailed invitations to representatives from industry, community organizations, elected officials and educational institutions.

On November 7, representatives from Cameco attended the Port Hope Chamber Business Awards.

On November 8, representatives from Cameco attended the Northumberland Hills Hospital Gala.

Also in November, Cameco sponsored the Festival of Lights and Trees at the Capitol Theatre.

Cameco participated in the Port Hope Santa Clause Parade on November 29 by entering two fire trucks. Cameco was a sponsor of the event.

On December 2, representatives from Cameco attended a members' appreciation night at the Capitol Theatre, providing an opportunity to connect with the local community.

On December 12, representatives from Cameco attended the grand opening of the Youth Wellness Hub Ontario (YWHO) Northumberland location. The general manager of Cameco Fuel Manufacturing, spoke at the event.

On December 16, the VP of fuel services and operational excellence, gave a delegation to Port Hope council to provide a general update on Cameco's operations and provided council with the opportunity to ask questions. The update also highlighted PHCF's licence renewal.

During the quarter, Cameco ran a series of local radio ads featuring leaders from the Fuel Services Division. The ad series is focused on educating the local audiences of Cameco's role in nuclear energy.

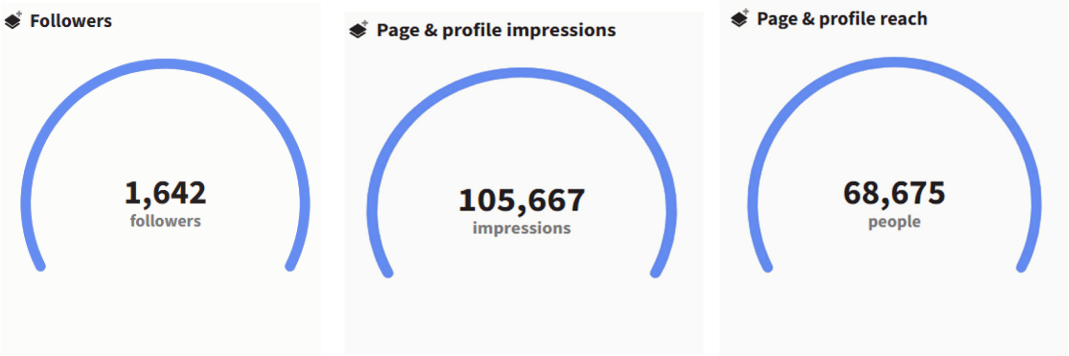
Cameco provided free advertising to local charitable organizations with its sponsorship of MyFM's Community Partner Program. Throughout the quarter, the United Way Northumberland, Rebound Child and Youth Services and Fare Share Food Bank all benefitted from this sponsorship by received free advertising spots.

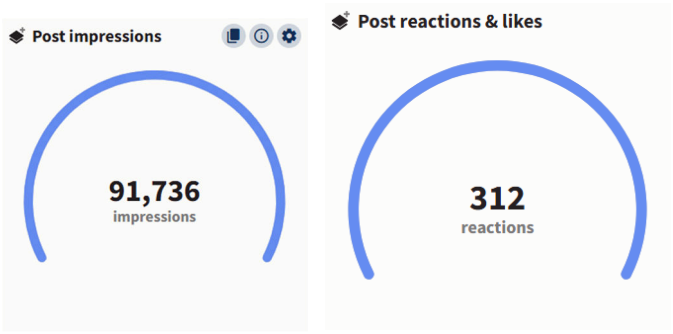
Public Disclosure

There were no public disclosures during the fourth quarter: Environment & Safety | Cameco

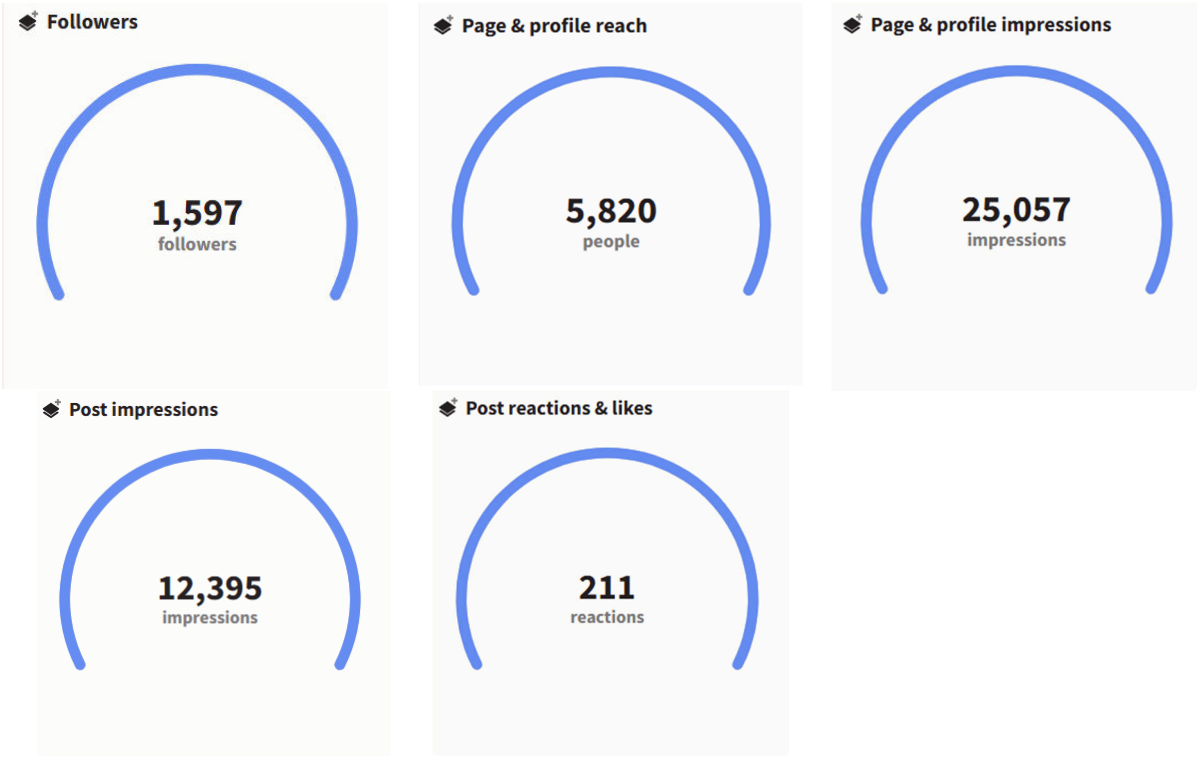
Social Media

Facebook: *October 1 to December 31, 2025*

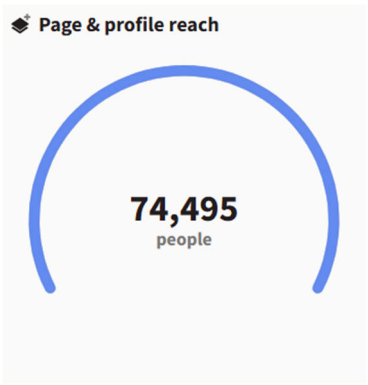


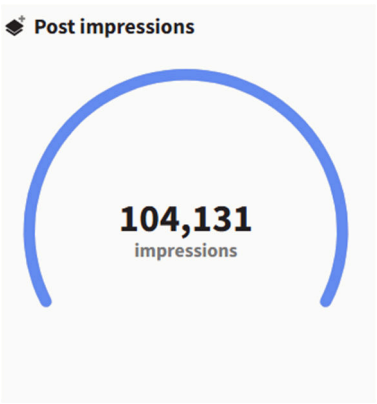


Other platforms (Instagram, X & YouTube): *October 1 to December 31, 2025*

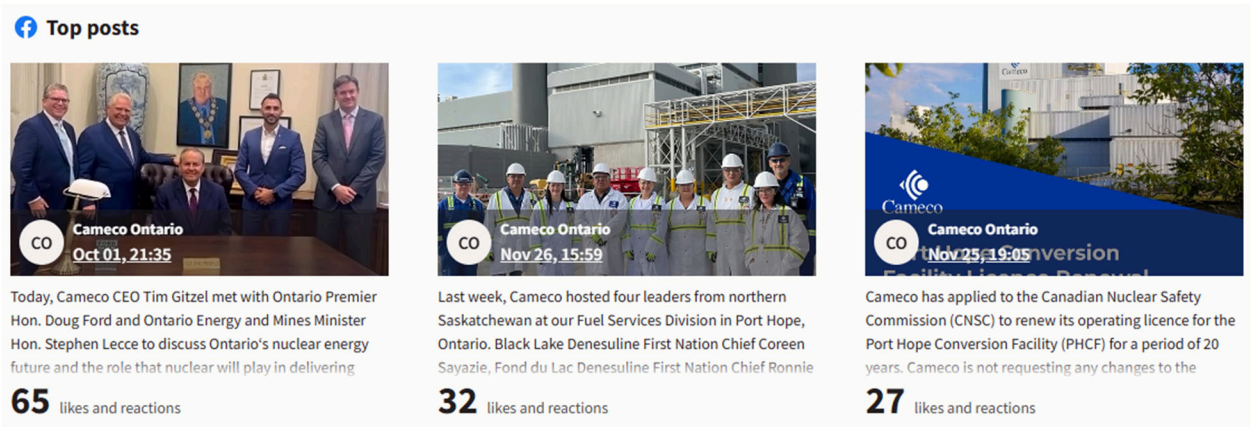


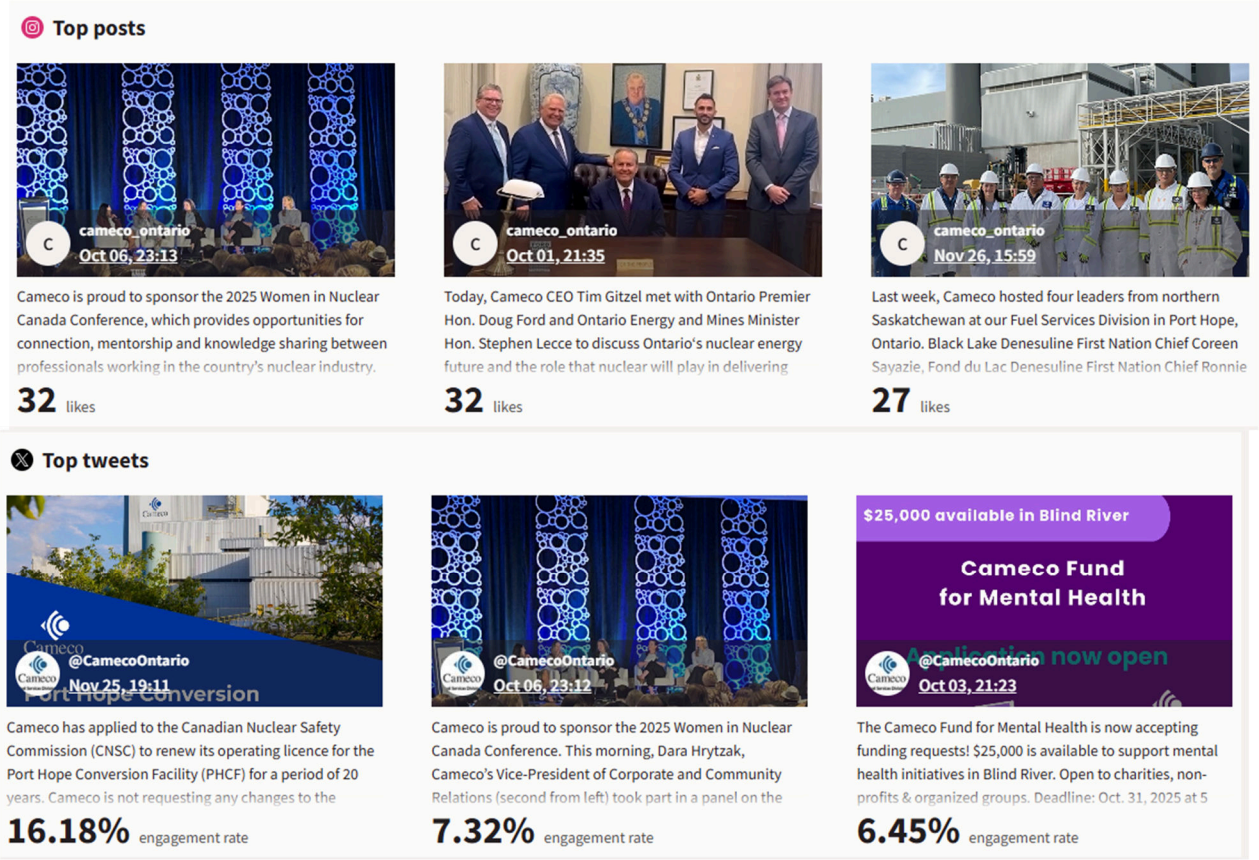
All Platforms: *October 1 to December 31, 2025*





Top Performing Posts





Summary

Cameco Ontario's 66 posts (combined across Facebook, Instagram, X and YouTube):

- Facebook: 23 posts
- Instagram: 22 posts
- X: 21 posts

These posts covered information such as:

- Cameco's latest Energize issue including stories about PHCF's Emergency Response Team, and the sponsorship of *Rez Gas* at the Capitol Theatre
- Community engagement activities
  - Hosted Northern Leaders from Saskatchewan and provided a tour of PHCF
  - Women in Nuclear Conference
- Community investment activities, including:
  - Cameco Fund for Mental Health, announcing applications are open
  - The grand opening of the Youth Wellness Hub Ontario (YWHO) Northumberland in Port Hope
  - Cameco Employee Giving Campaign
- Licence renewal information for PHCF
- Career opportunities

Website

Cameco's Fund for Mental Health 2025 application open press release

- Cameco's Fund for Mental Health opens 2025 application period with $49,000 available for local mental health initiatives | Cameco Fuel Services

Cameco's Fund for Mental health award recipients press release

- Cameco Fund for Mental Health awards 2025 grants to eight Northumberland County organizations | Cameco Fuel Services

Cameco Fund for Mental Health page updates and improvements

- Cameco Fund for Mental Health | Cameco Fuel Services

PHCF Q3 Compliance Report

- Media Library | Cameco Fuel Services

PHCF Revalidation of the Environmental Risk Assessment

- Media Library | Cameco Fuel Services

Media Analysis

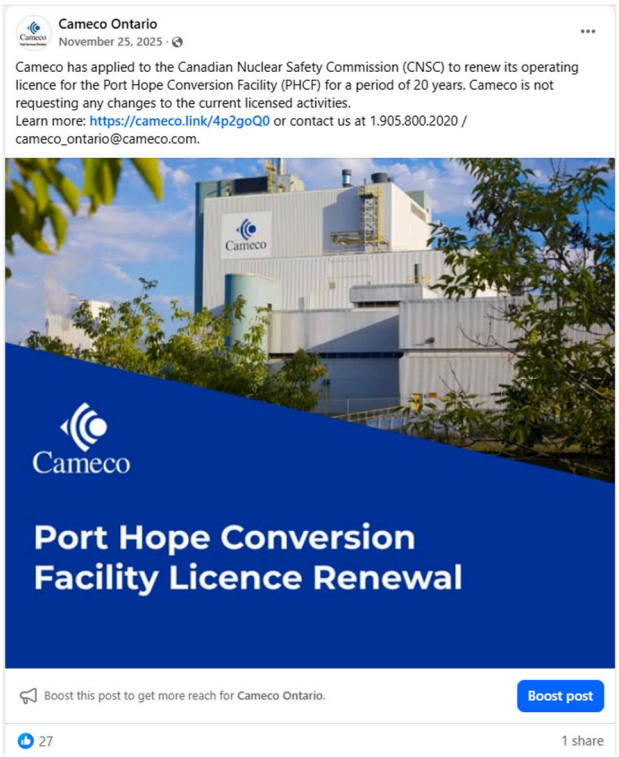
The Cameco Mental Health Fund was mentioned in *Northumberland News*

- Port Hope industry looks to aid community with $49,000 grant

Communication Products

Cameco Fund for Mental Health social posts and advertisements.

Licence renewal social media post.



6.0 Indigenous Engagement

Cameco continues regular engagement with Curve Lake First Nation (CLFN) and the Mississaugas of Scugog Island First Nation (MSIFN).

Public disclosures were sent to CLFN, MSIFN and Hiawatha First Nations. These disclosures are discussed with CLFN and MSIFN at the next respective meeting.

On October 9 select Cameco staff visited CLFN for an immersive experience with an Elder. The day focused on team building, leadership and fire keeping.

Cameco met with CLFN on October 30 and November 28. These meetings focused on the Environmental Protection Program and waste management at PHCF. The October 30 meeting included a tour of the PHCF with a focus on the site's environmental monitoring programs.

Cameco met with MSIFN on November 25 and December 15. The meeting in November focused on the Environmental Protection Program and included a tour of the PHCF with a focus on the site's environmental monitoring programs. In December, the team explored business opportunities and highlighted 2025 shared accomplishments.

The fall edition of Energize was emailed to CLFN, MSIFN, Hiawatha First Nation, Alderville First Nation, Chippewas of Rama First Nation and the Mohawks of the Bay of Quinte on October 20.

On October 22 Cameco attended CLFN for the Alternate Roots Job Fair and on October 23 Cameco attended the Alderville First Nation Job Fair. Both visits included information about Cameco's operations and current Human Resources information for visitors.

On October 24, an invitation was sent to Alderville, Curve Lake, Mississaugas of Scugog Island and Hiawatha First Nations to attend the Ontario premiere of The Nuclear Frontier at the Capitol Theatre in Port Hope. Members from MSIFN attended the event.

On November 18, Cameco hosted leaders from Northern Saskatchewan for a tour of the PHCF and learn about Cameco's Ontario operations.

On December 2, the Cameco Fund for Mental Health awarded a grant to Alderville First Nation's Mino-Bemaadiziwin Dinner Series. This initiative fosters healing, belonging, and mental wellness through shared meals guided by Elders, healers, and community professionals.

In December, Cameco and CLFN established a scholarship program. The program will support post-secondary students with studies that align with Cameco operations.

The third quarter compliance report was sent to CLFN, MSIFN, Hiawatha First Nation,

Alderville First Nation, Chippewas of Rama First Nation and the Mohawks of the Bay of Quinte on December 12.

7.0 Other Matters of Regulatory Interest

7.1 Vision in Motion

VIM engineering activities during this period included submission and review activities for the building permit application for Building 72, hydrogeological modelling runs and design for infrastructure improvements at the east portion of the site.

The Municipality of Port Hope contract for procurement of stormwater management equipment was in progress. The equipment installations are expected to commence in 2026 adjacent to the Cameco parking lot and Eldorado Place at the West Beach. Pre-bid activities were completed for a Cameco-supported construction contract for this equipment.

Field activities throughout the quarter included progress on the Building 72 foundation scope and some minor activities for Building 2 equipment removal.

Waste preparation and shipments to the long-term waste management facility (LTWMF) continued from the PHCF main site.

Coordination with Canadian Nuclear Laboratories (CNL) harbour remediation and road allowance investigations continued. Ganaraska Region Conservation Authority floodplain analysis updates were received, including preliminary updates to the evaluation of the Probable Maximum Flood (PMF).

The Supplementary Environmental Monitoring Plan for Vision in Motion and Other Clean-Up Program Projects is in place to monitor environmental impacts for the VIM activities, primarily during demolition/excavation.

There were no monitoring exceedances in the fourth quarter of 2025 related to VIM activities.

8.0 Concluding Remarks

Cameco is committed to the safe, clean, and reliable operations of all 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.

In the fourth quarter of 2025, PHCF did not exceed any CNSC regulatory limits. As a result of the effective programs, plans and procedures in place, the PHCF was able to maintain individual radiation exposures well below all regulatory dose limits. In addition, environmental emissions continued to be controlled to levels that are a fraction of the CNSC regulatory limits, and public radiation exposures are also well below the regulatory limits.

PHCF's ALARA program continued to be effective in the fourth quarter of 2025.
Cameco's relationship with local residents remains strong and Cameco is committed to maintaining the strong support and trust developed over the past several years.