

2025 First Quarter Compliance Monitoring & Operational Performance Report

Reporting Period January 1 – March 31, 2025

Port Hope Conversion Facility Operating Licence FFOL-3631.00/2027

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Submitted On: May 23, 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	First Quarter Overview	
1.1	Facility Operation	4
1.2	Physical Design / Facility Modification	5
2.0	Radiation Protection	6
3.0	Conventional Health and Safety	
4.0	Environmental Protection	
5.0	Public Information Program	
6.0	Indigenous Engagement	
7.0	Other Matters of Regulatory Interest	
7.1	Vision in Motion	
8.0	Concluding Remarks	



1.0 First 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 sitebased 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 first quarter.

There were three reportable events noted in the first quarter of 2025.

- On February 27, 2025, Cameco's contracted freight forwarder informed Cameco that a vehicle carrying one 48Y cylinder of uranium hexafluoride was involved in a very minor incident on Highway 402 Westbound near Sarania, Ontario.
- A post-shift fluoride in urine result for a contractor on March 19, 2025, was above the action level at 15 mg F/L. The action level for fluoride in urine is 7.0 mg F/L. An investigation was completed, and the elevated result was found to have been non-occupational, based on there being no occupational activities that could have contributed to the elevated result and that there were non-occupational factors that likely contributed.
- On March 30, 2025, Cameco initiated contingency planning for the site and took steps to safely shut down the UF₆ plant due to a power outage and the associated predicted timeframe for the outage.

Both the UF₆ and UO₂ plant operated without incident in the first quarter.



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.

A post-shift fluoride in urine result for a contractor on March 19, 2025, was above the action level at 15 mg F/L. The action level for fluoride in urine is 7.0 mg F/L. Following an investigation, this event was determined to be non-occupational based.

Whole Body Dose

Table 1 shows the whole-body dose summary results from Q1 2025 for six work groups: UF₆ Plant; UO₂ Plant; Maintenance; Technical Support (including Nuclear Energy Worker (NEW) contractors); Corporate Technical Services; and Administration.

First Quarter 2025 Whole Body Dose Results					
	Numberof	Average	Minimum	Maximum	
Work Group		Dose	Dose	Dose	
	maiviauais	(mSv)	(mSv)	(mSv)	
UF ₆ Plant	107	0.14	0.00	1.42	
UO ₂ Plant	23	0.14	0.00	0.35	
Maintenance	85	0.11	0.00	0.78	
Technical Support ¹	419	0.02	0.00	0.74	
Corporate Technical Services	32	0.01	0.00	0.12	
Administration	84	0.00	0.00	0.03	
Total (Max)	750	0.05	0.00	1.42	
¹ Includes contractors (NEWs)					



Table 2 shows the average, minimum and maximum quarterly individual external wholebody exposures from Q1 2024 through Q1 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	Numberof Individuals	AverageDose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)	
Q1 2024	756	0.05	0.00	1.16	
Q2 2024	827	0.05	0.00	2.74	
Q3 2024	790	0.05	0.00	1.62	
Q4 2024	770	0.04	0.00	1.21	
Q1 2025	750	0.05	0.00	1.42	

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 area.

First Quarter 2025 Skin Dose Results					
Work Group	Numberof Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)	
UF ₆ Plant	107	0.54	0.00	8.31	
UO_2 Plant	23	0.34	0.00	0.95	
Maintenance	85	0.46	0.00	2.50	
Technical Support ¹	419	0.06	0.00	1.40	
Corporate Technical Services	32	0.02	0.00	0.14	
Administration	84	0.00	0.00	0.03	
Total (Max)	750	0.17	0.00	8.31	
¹ Includes contractors (NEWs)					



Table 4 shows the average and maximum quarterly individual skin exposure for Q1 2024 through Q1 2025. The average skin dose is consistent to previous quarters.

Table 4

Skin Dose Results by Quarter					
Monitoring Period	Numberof Individuals	AverageDose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)	
Q1 2024	756	0.19	0.00	12.38	
Q2 2024	827	0.15	0.00	3.62	
Q3 2024	790	0.21	0.00	5.36	
Q4 2024	770	0.21	0.00	4.71	
Q1 2025	750	0.17	0.00	8.31	

Eye Dose

Table 5 shows the quarterly eye dose summary results for six work groups: UF₆ Plant; UO₂ Plant; Maintenance; Technical Support (including NEW contractors), Corporate Technical Services; and Administration. The highest exposure is from the UF₆ work group related to time in the flame reactor areas of the UF₆ plant.

First Quarter 2025 Eye Dose Results							
Work Group	Numberof Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)			
UF ₆ Plant	107	0.33	0.00	4.41			
UO ₂ Plant	23	0.25	0.00	0.63			
Maintenance	85	0.29	0.00	1.64			
Technical Support ¹	419	0.04	0.00	1.13			
Corporate Technical	32	0.01	0.00	0.12			
Administration	84	0.00	0.00	0.03			
Total (Max)	750	0.11	0.00	4.41			
¹ Includes contractors (N	¹ Includes contractors (NEWs)						



Table 6 shows the average and maximum quarterly individual external eye exposures for Q1 2024 through Q1 2025. The average eye dose is similar to previous quarters.

Table 6

Eye Dose Results by Quarter					
Monitoring Period	Numberof Individuals	Average Dose (mSv)	Minimum Dose (mSv)	Maximum Dose (mSv)	
Q1 2024	756	0.12	0.00	5.26	
Q2 2024	827	0.10	0.00	2.8	
Q3 2024	790	0.13	0.00	3.35	
Q4 2024	770	0.13	0.00	2.57	
Q1 2025	750	0.11	0.00	4.41	

Urine Analysis

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

Urine Analysis Action Levels					
	Parameter	Action Level			
Urinalysis	Weekly - UO_2/UF_6 Operators,	65 µg U/L			
(NEW)	Maintenance, Technical Support				
	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	Daily - Routine Sample	40 µg U/L			
(Non-NEW)	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 Q1 2025. A total of 11,266 urine samples were collected and analyzed for uranium during Q1 2025. The majority of routine urine analysis results (98.4%) were less than 5 μ g U/L in the quarter.

All results above 13 μ g U/L were screened by radiation protection staff. All were investigated and corrective actions were taken where appropriate. There was one official investigation completed in the first quarter.

Table 8

First Quarter 2025 Routine Urine Analysis Results				
Distribution of Results	Q1 2025			
Number of Samples $< 5 \ \mu g \ U/L$	11082			
Number of Samples > 5 to < 25 μ g U/L	165			
Number of Samples > 25 to < 50 μ g U/L	16			
Number of Samples $> 50 \ \mu g \ U/L$	3			
Number of Samples Analyzed (Uranium)	11266			

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 0.29 mSv, respectively, which was consistent with previous quarters.

Internal Dose (Urine) by Quarter					
Owerter	Number of	Minimum	Maximum	Average Dose	
Quarter	Individuals	Dose (mSv)	Dose (mSv)	(mSv)	
Q1 2024	657	0.00	0.16	0.01	
Q2 2024	693	0.00	0.17	0.01	
Q3 2024	684	0.00	0.26	0.01	
Q4 2024	656	0.00	0.49	0.01	
Q1 2025	634	0.00	0.29	0.01	



Fluoride in Urine

A total of 6,240 urine samples were analyzed for fluoride during Q1 with summary results provided in Table 10.

There were 8 routine and non-routine samples above the internal administrative investigation level of 4 mg F/L during Q1. The samples were investigated and entered into CIRS.

Table 10

First Quarter 2025 Fluoride in Urine Analysis Results				
Type of Fluoride Samples	Numberof Samples	Minimum Concentration (mg F/L)	Maximum Concentration (mg F/L)	
All fluoride samples	6,240	0.0	15	
Routine post-shift fluoride samples >= 7 mg F/L	1	-	-	
Routine post-shift fluoride samples >= 4 mg F/L	3	-	-	
Non-routine fluoride samples	519	0.1	4	
Samples analyzed for U, insufficient volume (< 30mL) for F analysis	9	-	-	

Lung Counting

The lung count trailer was located at the PHCF for all three months in Q1 2025, counting PHCF employees.



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

Q1 2025 Alpha Contamination Monitoring Results						
Area	Number of Samples Above Criteria					
Site 1 - Zone 1	1243	0.4	0			
Site 1 - Zone 2	15661	0.4	52			
Site 1 - Zone 3 (Yard)*	3	4.0	3			
Site 2 – Zone 2	371	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 particulate on air sampling filters and quantifying the airborne concentration of uranium. The Q1 results are presented in Table 12.

The site administrative level and derived air concentration (DAC), based on slow moving (low solubility) material, is $100 \ \mu g \ U/m^3$ 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 UF₆ and UO₂ 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 warning to plant personnel.

Table 12

First Quarter 2	First Quarter 2025 In-Plant Air Uranium Concentration by Operations Group					
Operations Group	Number of Samples Taken	Average (µg U/m³)	Maximum (µg U/m³)	Number of Samples Taken Above Administrative Level		
UF_6 Plant	4,513	18.1	741.4	227		
UO_2 Plant	1,266	2.3	81.4	2		
Waste Recovery	501	1	17.2	0		
CUP	434	1	2.7	0		

The maximum in-plant air sample of 741.4 μ g U/m³ was recorded on January 17, 2025, in the UF₆ plant. This result was due to an ashcan degassing more than usual in the degassing chamber.

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 nonradiological 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	-	-	-	15	
Medical Diagnostic Procedures	9	-	-	-	9	
Medical Treatment Injuries	2	_	_	_	2	
Lost Time Injuries	0	-	-	-	0	
Lost Time Injury Frequency	0	-	-	-	0	
Lost Time Injury Severity	0	-	-	-	0	
Other Recordable Injuries	0	-	-	-	0	

Health and Safety Activities

- **Communications**: OHS and CSSC continued to issue safety bulletins to promote a 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 site-wide safety event focused on hand safety was held over a week in March 2025. This event brought awareness to the various gloves available for use on-site and the importance of choosing the right glove for the job.
- **CSSC:** The CSSC committee continues to meet for regulatory meetings.
- **Safety & Industrial Hygiene**: The safety group focused on ergonomic assessments in the first quarter of 2025.



• Total Recordable Injury Rate (TRIR) – Q1 Ending = 1.76 (15 First Aids, 9 Medical Diagnostics, 2 Medical Treatments, 0 Lost Time Injuries). Contractor TRIR YTD is 0.00.



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.

Public Dose = Dose $_{Air}$ + Dose $_{Water}$ + Dose $_{Gamma}$ < 0.3 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	0.000	-	-	-	0.000
Water	0.000	-	-	-	0.000
Gamma-Site 1	0.012	-	-	-	0.012
Gamma – Site 2	0.012	-	-	-	0.012
Quarterly Dose– Site 1	0.012	-	-	-	0.012
Quarterly Dose– Site 2	0.012	-	-	-	0.012

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 Q1.

	First Quarter 2025 Public Dose Gamma Monitoring Results					
Station Number	January	February	March	Action Level (µSv/h)	Licence Limit (µSv/h)	
2	0.110	0.100	0.110	0.400	0.570	
10	0.000	0.000	0.000	0.400	0.610	
21	0.000	0.000	0.000	0.250	0.260	



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 on a daily basis 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.



	Daily Main Stack Emissions by Quarter								
Plant	Parameter	Licence Limit	Action Level	Value	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Uranium g U/h	200	40	Quarterly Daily Average	2.8	1.9	2.1	1.9	2.2	
	280	40	Quarterly Daily Maximum	9.3	5.7	5.3	5.3	5.7	
Hydrogen Fluoride g HF/h	650	220	Quarterly Daily Average	14	24	14	10	14	
		230	Quarterly Daily Maximum	128	226	120	139	200	
	Uranium			Quarterly Daily Average	0.6	0.5	0.5	0.5	0.9
Uranium g U/h	240	10	Quarterly Daily Maximum	1.7	1.7	0.9	0.9	1.9	
Ammonia kg NH ₃ /h	Ammonia	50	10	Quarterly Daily Average	2.0	2.2	1.4	2.0	2.0
	58	10	Quarterly Daily Maximum	2.7	3.7	3.2	3.7	3.3	



Liquid Discharges

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

Tables 17 and 18 summarize uranium concentrations and pH values recorded for the first 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 in the 2024 calendar year or the first quarter of 2025.

The magnitude and frequency of precipitation events has 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 VIM project sanitary sewer system improvements.

Building 13 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.

	Sanitary Sewer Discharge Data by Quarter						
Parameter	Units of Measure	Value	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Lanium	TT/T	Average	0.0053	0.0064	0.0028	0.0040	0.0040
Oranium	ing U/L	Maximum	0.014	0.053	0.0064	0.011	0.015
		Minimum	7.30	7.63	7.62	7.32	7.25
рН	-	Maximum	8.24	8.26	8.70	8.68	8.38



Table 18

Q1 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)		
January	Monthly mean action level of 150	3.3	5.4		
February	µg U/L Monthly mean release limit	3.5	8.1		
March	of 275 µg U/L	5.3	15		

Ambient Air Monitoring

Table 19 shows the quarterly all-station average and maximum uranium dustfall results from Q1 2024 through to Q1 2025.

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

	Urai	nium in Dustfa (mg U/r	ll Results by Qu n²/30 days)	uarter	
Value	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Average	0.1	< 0.1	0.1	0.1	0.1
Maximum	0.2	0.1	0.3	0.2	1.5
Internal Adr	ninistrative Sci	reening Level =	$= 10 \text{ mg U/m}^2/3$	0 days	•



Table 20 summarizes the average and maximum uranium hi-vol results from Q1 2024 through Q1 2025. The average uranium in hi-vol results in the first quarter of 2025 were consistent with the uranium in hi-vol averages during the previous quarters.

Table 20

Uraniun	Uranium-in-Air Concentration at Hi-Vol Stations by Quarter (µg U in TSP/m ³)						
Quarter	Result	Waterworks	Shuter	Marsh	Hayward		
			Substation	Street	Street		
01 2024	Average	0.002	0.001	0.003	0.002		
Q1 2024	Maximum	0.011	0.003	0.013	0.016		
02 2024	Average	0.001	0.001	0.004	0.002		
Q2 2024	Maximum	0.012	0.003	0.017	0.030		
02 2024	Average	0.001	0.001	0.007	0.003		
Q3 2024	Maximum	0.004	0.004	0.042	0.025		
04 2024	Average	0.001	0.002	0.007	0.002		
Q4 2024	Maximum	0.011	0.083	0.238	0.017		
01 2025	Average	0.002	0.001	0.003	0.002		
Q1 2025	Maximum	0.011	0.003	0.043	0.020		
Average <0.06 µg U in TSP/m ³ (annual) AAQC							
Maximum	$<0.3 \ \mu g U in T$	'SP/m ³ (24 hr) A	AQC				

Table 21 shows the quarterly all-station average and maximum fluoride dustfall results from Q1 2024 through to Q1 2025.

The average and maximum fluoride in dustfall results in the first quarter of 2025 were higher than previous quarters. One of the seven fluoride in dustfall stations exceeded the internal administrative screening level in March 2025. This exceedance was entered into CIRS # PHCF–2025-000502 and is under investigation.

Fluoride in Dustfall Results by Quarter (mg F/m ² /30 days)					
Value	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025
Average	0.8	1.3	1.5	1.0	2.6
Maximum	5.8	8.5	9.6	9.3	34
Internal Adr	ninistrative Sci	reening Level =	$= 20 \text{ mg F/m}^2/30$) days	



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

	Monthly Lime Candle Results by Quarter					
		(µg F/100	cm ² /30 days)			
Value	Q1 2024	Q2 2024	Q3 2024	Q4 2024	Q1 2025	
Average	3	5	4	3	3	
Maximum	9	11	15	10	5	
The desirabl	e ambient air q	uality criteria fo	or lime candles a	are to protect for	rage crops	
consumed by	consumed by livestock. During the summer growing season (April 1 – October 31),					
the criteria is 40 μ g F/100 cm ² /30 days, changing to 80 μ g F/100cm ² /30 days in						
winter (Nov	ember 1 – Mai	rch 31).		-	-	



5.0 Public Information Program

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

Public Engagement

In early January, Cameco continued its holiday sponsored recreational activities in Port Hope with a free public swim on January 2, and open gym at the Town Park Recreation Centre on January 3.

On January 15, Cameco representatives attended the Government of Ontario and Ontario Power Generation's announcement in Wesleyville regarding a potential new nuclear generating station.

From January 19 to 26, Cameco sponsored the Ontario Curling Championships in Cobourg.

On January 23, PHCF general manager, on behalf of employees, presented a cheque for \$20,000 to Northumberland Fare Share Food Bank raised from employee fundraising in 2024.

On February 7, Cameco sponsored and attended the Rotary Club of Cobourg's Mississippi River Boat Cruise Event in Cobourg.

On February 26, Cameco announced a partnership with the Ryan Huffman Foundation to be the title sponsor of its 4th annual charity golf tournament taking place in May in Port Hope. A news release was issued to local media, posted on camecofuel.com and shared via social media.

On March 21, members of OPG's Indigenous Relations and Partnerships team toured PHCF as part of Cameco's ongoing relationship with OPG to enhance Indigenous engagement, improve information sharing and collaborate across the sector.

On March 22, the Winter 2025 issue of Energize was dropped into mailboxes of all Port Hope residents. This edition featured stories of Cameco's partnership with the Ryan Huffman Foundation, Cameco's 2024 Community Investments, Building 27's demolition as a major milestone in the Vision in Motion project, a Did You Know section on CANDU Fuel Bundles, as well as a save the date for 2025 Cameco Charity Golf Tournament.



On March 26, three PHCF employees, alongside two CFM employees attended Junior Achievement's World of Choices event to meet with local middle and high schools' students and discuss careers in the nuclear sector.

On March 28, Cameco representatives sponsored and attended the Northumberland Central Chamber of Commerce's Business Achievement Awards. Cameco also presented an award to one of the recognized businesses.

On March 31, Cameco announced its support of the new Northumberland County Archives and Museum facility and its inaugural exhibit - Gidinawendimin, meaning "We are all related" in Anishinaabemowin – also known as the Ojibwe language. A news release was issued to local media, posted on camecofuel.com and shared via social media.

Cameco provided free advertising to local charitable organizations with its sponsorship of MyFM's Community Partner Program. Through the quarter, Big Brother Big Sisters of Northumberland, Green Wood Coalition and Cornerstone Family Violence Prevention Centre benefitted from this sponsorship by received free advertising spots.

Public Disclosure

There was one public disclosure during the first quarter:

• PHCF: <u>Environment & Safety | Cameco</u>

Posting Date	March 5, 2025
Incident Date	Feb. 27, 2025
Incident	Transportation Incident
Details	A tractor trailer carrying one 48Y cylinder of uranium hexafluoride (UF6) was involved in a minor incident on Highway 402 near Sarnia, Ontario. The tractor trailer was travelling westbound on Highway 402 when it came to a stop behind a stationary vehicle. The stopped vehicle proceeded to back into the tractor trailer. There was no damage to the tractor trailer, nor the cylinder of UF6 and the vehicle continued onto its intended destination. There was no health or safety risk posed to the public or the environment.
Corrective Action	Cameco notified the Canadian Nuclear Safety Commission transport section.
Cameco Environmental Effect Rating	1



Social Media

Facebook: January 1 to March 31, 2025



Other platforms (Instagram, X & YouTube): January 1 to March 31, 2025





All Platforms: January 1 to March 31, 2025



Top Performing Posts

(7) Top posts



Last week, Dave Ingalls, general manager of Cameco's Port Hope Conversion Facility (PHCF), presented a cheque to the Northumberland Fare Share Food Bank for \$20,000 on behalf of Cameco employees. The money was raised in

59 likes and reactions



This week, Cameco Fuel Manufacturing's Engagement Committee presented a cheque to Ed's House Northumberland Hospice Care Centre for the proceeds of its recent Decadent Dessert Bake Sale held in memory of a





Cameco is teaming up with the Ryan Huffman Foundatio as presenting sponsor of their 4th Annual Charity Golf Tournament. The premier event of the year, taking place on Friday, May 9, 2025, at Dalewood Golf Club, will raise





Top posts



Last week, Dave Ingalls, general manager of Cameco's Port Hope Conversion Facility, presented a cheque to the Northumberland Fare Share Food Bank for \$20,000 on behalf of Cameco employees. The money was raised in

37 likes





Cameco is teaming up with the Ryan Huffman Foundation as presenting sponsor of their 4th Annual Charity Golf Tournament. The premier event of the year, taking place on Friday, May 9, 2025, at Dalewood Golf Club, will raise





On Thursday, Cameco welcomed high school chemistry and trade students along with their teachers from E.s.c. Jeunesse-Nord for a tour of Blind River Refinery. This is the first of many secondary school tours that Cameco wi

33 likes



Keir Thomas, manager of maintenance at Blind River Refinery, recently spoke with Blind River Public School students about our operations and how we help bring electricity into their homes. We're grateful for the

12.35% engagement rate



On Tuesday, Terry Davis, general manager of Blind River Refinery, had the opportunity to speak with W.C. Eaket students and staff to share the important role Blind River Refinery plays in the nuclear fuel cycle.





Cameco Corporation welcomes the recent announcement from the Government of Ontario and Ontario Power Generation (OPG) naming Port Hope's Wesleyville site as the potential future home of Ontario's newest nuclear energy generating station. https://twitter.com/opg/status/1879931195997463020

https://twitter.com/opg/status/187993119599746302

8.6% engagement rate

Summary

Cameco Ontario's 64 posts (combined across Facebook, Instagram, X and YouTube):

- Facebook: 22 posts
- Instagram: 20 posts
- X: 22 posts

These posts covered information such as:

- Indigenous engagement activities including:
 - OPG's Indigenous Relations and Partnerships team touring Port Hope Conversion Facility and CFM Port Hope
 - Cameco's support of the new Northumberland County Archives and Museum facility and its inaugural exhibition: Gidinawendimin
- Community investment activities, including:
 - Cameco's employee fundraising donation to Northumberland Fare Share Food Bank
 - Cameco's announcement of becoming the presenting sponsor for the Ryan Huffman Foundation golf tournament
- Career opportunities



Website

Cameco revised and updated content on the following website pages:

- Port Hope Conversion Facility | Cameco Fuel Services
- <u>Safety | Cameco Fuel Services</u>
- <u>Vision in Motion | Cameco Fuel Services</u>
- <u>Community | Cameco Fuel Services</u>

Winter issue of Energize

• Energize - Winter 2025 | Cameco Fuel Services

The Q4 2024 Compliance Report:

• PHCF Q4 2024 Compliance Report

News release announcing Cameco and Ryan Huffman Foundation partnership:

• <u>Cameco and Ryan Huffman Foundation team up for Mental Health | Cameco Fuel</u> <u>Services</u>

News release announcing Cameco support of Northumberland Archives and Museum inaugural Michi Saagiig Language Exhibit:

 <u>Cameco supports Northumberland County Archives & Museum and inaugural</u> <u>Michi Saagiig Language Exhibit | Cameco Fuel Services</u>

Media Analysis

Cameco received media coverage for its sponsorship of Operation Red Nose:

• <u>https://www.intelligencer.ca/news/local-news/operation-red-nose-wraps-up-another-successful-season-in-northumberland</u>

Cameco received media coverage for its partnership with the Ryan Huffman Foundation:

- <u>Cameco+Ryan Huffman announcement.Feb 2025 v3 1.png Today's</u> Northumberland - Your Source For What's Happening Locally and Beyond
- <u>Cameco and Ryan Huffman Foundation Team Up for Mental Health Today's</u> <u>Northumberland - Your Source For What's Happening Locally and Beyond</u>
- <u>COMMUNITY SPOTLIGHT: Cameco partners with Ryan Huffman Foundation</u> for mental health charity golf tournament | 93.3 myFM



Cameco received media coverage for its partnership with Northumberland County Museum and Archives:

 <u>Cameco Supports Northumberland County Archives & Museum - Today's</u> <u>Northumberland - Your Source For What's Happening Locally and Beyond</u>

Communication Products

Winter issue of Energize

• Energize - Winter 2025 | Cameco Fuel Services

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 <u>Cameco supports Northumberland County Archives & Museum and inaugural</u> <u>Michi Saagiig Language Exhibit | Cameco Fuel Services</u>



6.0 Indigenous Engagement

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

On January 10, Cameco met with members of MSIFN's Education Department to discuss the development of a scholarship program for MSIFN members.

On March 18, Cameco hosted members of CLFN for an Environmental Working Group meeting. The meeting provided updates on the Vision in Motion project (VIM), and planning 2025 joint commitments.

On March 31 Cameco shared its news release with CLFN and MSIFN, announcing support for Northumberland County Archives and Museum's (NCAM) new facility and inaugural Michi Saagiig Language Exhibit that will celebrate Anishinaabemeowin in the Michi Saagiig dialect, the first predominant language spoken on this territory.

On February 27 a public disclosure regarding a minor traffic incident was shared with Curve Lake, Mississaugas of Scugog Island, and Hiawatha First Nations.

The 2024 4th Quarter Compliance Report for PHCF was sent to Curve Lake, Alderville, Hiawatha, Mississaugas of Scugog Island, Mohawks of the Bay of Quinte and Chippewas of Rama First Nations on March 6.



7.0 Other Matters of Regulatory Interest

7.1 Vision in Motion

VIM engineering and procurement activities during this period included interior fit-out designs for Building 72, and review of the permit application by the Municipality of Port Hope (MPH) for the structure. Results of the Q4 2024 in-situ soil stabilization proof of concept field work at Area 5 (which concluded in Q4 2024) was under evaluation throughout this period. Planning for future pipe rack work, warehouse demolition work, and improvements at the Dorset Street was also in progress.

MPH awarded a municipal contract for procurement of stormwater equipment to be installed in the vicinity of Eldorado Place and the Cameco parking lot (Area 9) in 2026. Bids were received for the construction of Building 72 and were under review at the end of the period. A package for hydrogeological modelling was being prepared for bid.

Field activities throughout the quarter included removal of equipment from Building 2, initiation of Building 72 foundation work, and completion of the ergonomically enhanced drum filling access platform at the Dorset Street site.

Waste preparation and shipments to the LTWMF continued from the PHCF main site and the Dorset Street facility, including packaged wastes, bulk wastes (dump trucks) and vac trucks.

Coordination with CNL continued, including support for their road allowance investigations near PHCF, and collaboration with the Ganaraska Region Conservation Authority and MPH on flood model updates.

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 2 environmental monitoring exceedances in the first quarter of 2025 related to VIM activities. The elevated DustTrak results were from the Area 5 backfilling 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 first 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 first 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.