

2025 CAM-3 ANNUAL NUNAVUT WATER BOARD REPORT

**FOR THE
NORTH WARNING SYSTEM**

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EXECUTIVE SUMMARY

This 2025 Annual Report for the Nunavut Water Board (NWB) has been prepared by Nasittuq for the Department of National Defence in order to meet the requirements of Part B “General Conditions”, paragraph 1 of its licence 8BC-SHE1929. This report covers 01 January to 31 December 2025.

Nasittuq is the Operations and Maintenance (O&M) Contractor for the North Warning System (NWS) including CAM-3. CAM-3 is a North Warning System (NWS) radar site located at Shepherd Bay, Nunavut.

A total of **383.1** cubic meters (m³) was drawn from the water supply lake in 2025. This is below the annual maximum of 3,000 m³ allowed by the licence.

In 2025 hazardous waste and waste oil was sent to an approved hazardous waste disposal site outside of Nunavut as required by the licence. Waste consisted of 24 drums of various hazardous waste, and 2 crates of batteries.

Non-hazardous domestic solid waste was disposed of through a contract with the Hamlet of Cambridge Bay at the local landfill. Nasittuq has documented authorization from the community for receiving the waste.

Accumulated rain and meltwater contained in the berms of fuel storage facilities was planned to be analyzed with hydrocarbon test strips. Water did not accumulate in the berms enough to require discharge, and therefore was not tested.

No spills to the environment occurred at CAM-3 in 2025.

No progressive reclamation work was completed at CAM-3.

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1.0 INTRODUCTION

This 2025 Annual Report for the Nunavut Water Board (NWB) has been prepared by Nasittuq for the Department of National Defence in order to meet the requirements of Part B “General Conditions”, paragraph 1 of its licence 8BC-SHE1929 issued on 01 September 2019 and amended effective 14 April 2022. The amendment now allows for 3,000 cubic metres per year.

This report covers 01 January to 31 December 2025.

Nasittuq is the Operations and Maintenance (O&M) Contractor for the North Warning System (NWS) including CAM-3.

CAM-3 is a North Warning System radar site located at Shepherd Bay, Nunavut and is typically staffed year-round.

1.1 Report Details

Licensee:	Department of National Defence, Government of Canada
Licence:	8BC-SHE1929 – Type “B”
Location:	CAM-3 North Warning System Site, Shepherd Bay, Kitikmeot Region, Nunavut
Report Prepared by:	Alaina Leslie and reviewed by Don Beattie Nasittuq Corporation, 16-Mar-2026
Time period covered:	01 January to 31 December 2025

2.0 WATER USE

A total of **383.1 cubic metres** (m³) was drawn from the water supply lake in 2025. The daily water usage (a maximum of **1.05 m³ per day**) was below the maximum of **299 m³ per day** allowed by the licence. The total water used in 2025 was below the threshold set in the licence of **3,000 m³ per year**. See Table 2-1 for the volume of water drawn at CAM-3 each month in 2025.

Table 2-1: Monthly Raw Water Usage at CAM-3 in 2025

Month	Raw water usage (m ³)
January	18.3
February	10.5
March	26.8
April	18.6
May	49
June	64.6
July	35.6
August	31.1
September	38.5
October	20.6
November	25.5
December	44
TOTAL	383.1

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3.0 HAZARDOUS WASTE AND WASTE OIL DISPOSAL

The movement of hazardous waste outside of Nunavut is regulated under both the *Transportation of Dangerous Goods Regulations* (TDG) and the *Cross-border Movement of Hazardous Waste and Hazardous Recyclable Material Regulations* (XBR).

Hazardous waste, including waste oil, from CAM-3 was sent to an approved hazardous waste disposal facility outside of Nunavut as required by the licence. The hazardous waste was shipped to Qikiqtaaluk Environmental.

See Table 3-1 for the list of items sent for disposal.

See Annex A for the shipping documents including the completed movement documents for waste regulated under the Transportation of Dangerous Goods Regulations (TDGR) and non-regulated waste.

The hazardous waste shipped from CAM-3 in 2025 consisted of **24 drums of various hazardous waste (waste oil, waste oil filters etc.), and 2 crates of waste batteries.**

Table 3-1: Hazardous Waste and Waste Oil Sent for Disposal from CAM-3 in 2025

TDG shipping name	Description	Manifest # (TCN)	Movement Document	Quantity
Waste Batteries, Wet, Filled With Acid	Waste batteries, wet, filled with acid	51496	2539194-7	1 Crate
Waste Batteries, Wet, Non-Spillable	Waste batteries, wet, non-spillable	51498	2539194-7	1 Crate
Not Regulated	Waste cooking oil Not TDG Regulated	51488	2539194-7	3 Drums
Not Regulated	Waste oil Not TDG regulated	51485, 51487, 51488, 51489, 51490, 51491	2539194-7	14 Drums
Waste Fuel, Aviation, Turbine Engine Mixture	Waste Fuel, Aviation, Turbine Engine Mixture	51500	2539194-7	2 Drums
Waste Paint Related Material	Waste paint, flammable Waste paint	51493	2539194-7	1 Drum
Waste Solids Containing Flammable Liquid, N.O.S. (Fuel, Aviation, Turbine Engine)	Waste oily rags Waste solids containing flammable liquids, n.o.s (fuel, aviation, turbine engine)	51486, 51492	2539194-7	4 Drums

4.0 NON-HAZARDOUS SOLID WASTE DISPOSAL

Non-hazardous domestic solid waste was flown from CAM-3 to CAM-M and disposed of through a contract with the Municipality of Cambridge Bay at the local landfill. Nasittuq has documented authorization from the community for receiving the waste.

See Table 4-1 for the quantity of waste generated.

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Table 4-1: Non-hazardous Domestic Solid Waste Sent for Disposal from CAM-3 in 2025

Month	Waste Generated (kg)
January	1000
February	826
March	1157
April	894
May	508
June	885
July	1666
August	921
September	694
October	1283
November	958
December	830
TOTAL	11,622

5.0 MONITORING PROGRAM

In 2025 a monitoring program was implemented at CAM-3 as required by the water licence.

The monitoring program included the following:

1. Volume of raw water drawn from the water Supply Lake (SHE-1). The raw water monitoring information is shown in **Section 2.0 Water Use**. The volume of water drawn was within the limit stated in the water licence.
2. Quality of sewage discharged from the final discharge point of the sewage disposal facility (SHE-2). The location of the sewage effluent outfall is shown in **Annex B: Sewage Effluent Outfall (CDL-2) Location with Coordinates**, including coordinates. A sump for the sewage outfall was constructed in 2010.

The sewage outfall sump was not discharged in 2025 and therefore no samples were required. **Annex C: Analysis of Discharged Sewage Effluent** has been left blank.

3. Accumulated rain and meltwater contained in the berms of fuel storage facilities was planned to be analyzed with hydrocarbon test strips in order to confirm it was within the effluent quality limits listed in the water licence, Part D, prior to discharge (SHE-3). Water did not accumulate in the berms enough to require discharge, and therefore was not tested. The coordinates of the facilities are shown in **Annex D: Location of Bermed Fuel Storage Facilities**.
4. Final Discharge Point from the Landfarm (SHE-4). No landfarm has been established at CAM-3, so this monitoring station remains inactive.

6.0 SPILLS (UNAUTHORIZED DISCHARGES)

No spills occurred at CAM-3 in 2025.

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7.0 REVISIONS TO THE SPILL CONTINGENCY PLAN

The Spill Contingency Plan was updated on **27-Mar-2026**. An updated copy of the Spill Contingency Plan has been submitted to the NWB with this annual report.

8.0 PROGRESSIVE RECLAMATION WORK UNDERTAKEN

No progressive reclamation work was undertaken in 2025.

9.0 ACRONYMS

Table 9-1: Acronyms

Acronym	Definition
CO2	Carbon Dioxide
n.o.s.	Not Otherwise Specified
NWB	Nunavut Water Board
NWS	North Warning System
O&M	Operations and Maintenance
POL	Petroleum, Oil & Lubricant
TDGR	Transportation of Dangerous Goods Regulations

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ANNEX A. HAZARDOUS WASTE AND WASTE OIL DISPOSAL

The Movement Documents in accordance with the XBR are included below.

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MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

Movement Document / Manifest Reference No.
N° de référence du document de mouvement / manifeste

2539194-7

Form containing sections A through G, including shipping details, carrier information, and recipient details. Includes fields for origin, destination, dates, and signatures.

CGCC XBR V1.1 (2022/08)

Additional carriers and waste lines on reverse / Transporteurs et lignes de déchets additionnels au verso

Copy / Copie / Colour / Couleur

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ANNEX B. SEWAGE EFFLUENT OUTFALL (CDL-2) LOCATION WITH COORDINATES

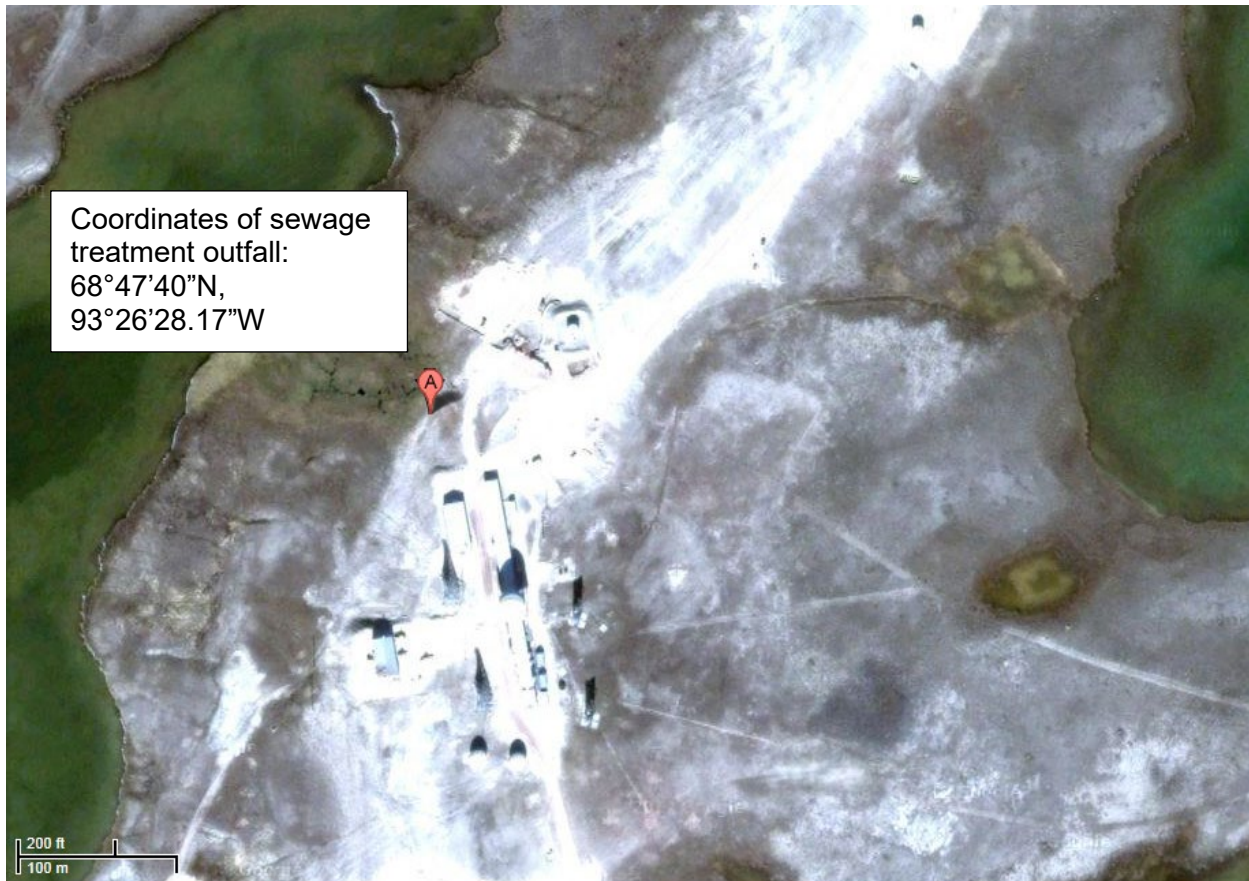


Figure 9.0.0-1: Coordinates of sewage outfall: 68°47'40"N, 93°26'28.17"W

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ANNEX C. ANALYSIS OF DISCHARGED SEWAGE EFFLUENT

The sewage outfall was not discharged in 2025 and therefore sampling was not required. This annex has been left blank.

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ANNEX D. LOCATION OF BERMED FUEL STORAGE FACILITIES

Table D-1, below, shows the locations of the bermed facilities.

Table D-1: Location of Bermed Fuel Storage Facilities at CAM-3

Berm	Location on-site	Berm Latitude ¹	Berm Longitude	Date
SHE W22A	Summit	68°47'42.00"N	93°26'19.58"W	n/a
SHE W22D	Beach	68°48'07.82"N	93°36'50.12"W	n/a

¹ Final discharge point of bermed fuel storage facility



ANNEX E. ANALYSIS OF BERM WATER

The berms at CAM-3 were monitored over the winter and it was noted that snow did not accumulate in the berms due to wind. As no snow accumulated, only a few inches of water accumulated in the berms which was not enough to discharge.

In the future, if berm water² at CAM-3 requires discharge, it will be tested using hydrocarbon test strips as per the approved QA/QC Plan for Berm Water Sampling as stated in the water licence 8BC-FOH1929, PART D, Item 11.

² Effluent from bermed fuel storage facilities.

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