



File No: **8BC-SHE1929 /**
Amendment No. 2

May 01, 2025

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Lieutenant-Colonel TJ (Joe) Gale
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RE: NWB Amendment Water Licence No: 8BC-SHE1929 – Amendment No. 2

Dear Mr. Wyman and Lieutenant-Colonel Gale:

Please find attached **Amendment No. 2** to the type B Licence No: **8BC-SHE1929** issued to the Government of Canada, Department of National Defence by the Nunavut Water Board (NWB or Board) (**Motion # 2025-B1-003**) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada (Nunavut Agreement)* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (Act)*. The terms and conditions of the original Water Licence and Amendment 1 related to Water use and Waste disposal remain an integral part of this approval.

The NWB notes that the Nunavut Planning Commission (NPC) has indicated¹ that the activities associated with this proposal had been previously reviewed by the NPC, and decisions stating that this project proposal is located outside the area with an applicable Regional Land Use Plan had been issued on October 28, 2008, October 29, 2018, and December 15, 2021, which remain applicable. Additionally, the NPC has indicated that the activities associated with this proposal had been previously screened by the Nunavut Impact Review Board (NIRB File No: 03DN117²) and do not require additional screening, because the NPC is of the understanding that the proposed additional activities do not change the general scope of the original or previously amended project activities, and the exceptions noted in Sections 12.4.3 (a) and (b) of the *Nunavut Agreement* do not apply.

¹ NPC Determination, dated December 20, 2024.

² NIRB Screening Decision, dated December 21, 2018.

The NWB strongly recommends that the Licensee consult the comments received by interested persons on issues identified. This information is attached for your consideration³.

Sincerely,

Lootie Toomasie
Nunavut Water Board,
Chair

LT/ns/rqd

Enclosure: Licence No: 8BC-SHE1929 – Amendment No. 2

Comments – CIRNA, DFO

Cc: Distribution List – Kitikmeot

³ Crown-Indigenous Relations and Northern Affairs Canada's review of Department of National Defence's Amendment Application for the CAM-3 North Warning System Long Range Radar Site, Shepherd Bay, Nunavut Project, CIRNA, dated March 18, 2025; Amendment to Water Licence Application, CAM-3 Shepherd Bay (8BC-SHE1929), DFO, dated March 18, 2025.

LICENCE AMENDMENT No. 2

Licensee:	GOVERNMENT OF CANADA, DEPARTMENT OF NATIONAL DEFENCE
Licence No:	8BC-SHE1929, Type B
Licence Issued:	September 1, 2019
Amendment No. 1 Issued:	April 14, 2022
Amendment No. 2 Effective Date:	May 01, 2025
Licence Expiry:	August 31, 2029

Pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada (Nunavut Agreement)* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (Act)*, with respect to an amendment request by the Government of Canada, Department of National Defence (DND), submitted on February 07, 2025, the Nunavut Water Board (NWB) hereby grants the following Licence amendment.

The Licence issued on September 1, 2019, with an expiry date of August 31, 2029, shall be amended to include a new water source named “Winter Water Lake” located approximately 1 km north of the existing source. The total quantity of water use authorized remains unchanged.

Procedural History

On February 07, 2025, the Nunavut Water Board (NWB or Board) received from the Government of Canada, Department of National Defence, the following documents in support of the application for amendment to Water Licence No: 8BC-SHE1929:

- 8BC-SHE1929 Application for Water Licence Amendment 2024;
- 148955 - NPC Conformity;
- 181221-03DN117-Screening Decision Report-OT8E;
- PLN-EHS-15 CAM-3 Draft Landfarm Plan 2024;
- SP-52 Berm Water Sampling Procedure;
- CAM-3 Inspection 2022;
- NWB Licence Compliance Assessment 2024;
- CAM-3 NTS Map;
- 8BC-SHE1929 Remote Camp Questionnaire 2024;
- CAM-3 Executive Summary;
- NWS Spill Plan;
- CAM-3 Site Description 2024;
- NWS Sewage Disposal at Remote Nunavut LRRs Plan;

In the amendment application, the Licensee is proposing to include a new water source north of the existing water source to accommodate 9 full-time staff on site. The current water source

freezes to the bottom, which eliminates the opportunity for water draw during winter. The Licensee also mentioned that if both lakes freeze to the bottom, the site will consider the use of a snow melting machine or increasing on-site storage capacity to supplement the water supply.

On February 14, 2025, the NWB acknowledged receipt and distributed the application to interested persons for a public review with a deadline of March 18, 2025. On March 18, 2025, comments were received from Crown Indigenous Relations and Northern Affairs (CIRNA) and Fisheries and Oceans Canada (DFO).

Complete details on the interveners' submissions received are available from the NWB Public Registry using the following link:

[https://public.nwb-oen.ca/registry/8%20MISCELLANEOUS/8B/8BC%20-%20Camp/8BC-SHE1929%20\(CAM-3\)/2%20ADMIN/3%20SUBMISSIONS/2025%20Amendment/](https://public.nwb-oen.ca/registry/8%20MISCELLANEOUS/8B/8BC%20-%20Camp/8BC-SHE1929%20(CAM-3)/2%20ADMIN/3%20SUBMISSIONS/2025%20Amendment/)

Amendment Considerations

Term of Licence

In this Amendment Application, the Licensee did not request an extension of the existing term of the Licence. Therefore, the Licence term remains unchanged and is set to expire on August 31, 2029.

Water use

Winter Water Lake is added as additional source of water. Water use shall not exceed three thousand (3,000) cubic metres annually and shall be extracted from Water Lake and Winter Water Lake.

Sewage Disposal

There are no changes to the sewage disposal operations at the CAM-3 site. The Applicant has submitted a revised Sewage Disposal Plan entitled “*Sewage Disposal at Remote Nunavut LRRs Plan*”, dated September 29, 2023, which was accepted by the Board with the issuance of this Amendment.

Landfarm Operations

There are no changes to landfarm operations at the CAM-3 site. The Board acknowledges the submission entitled “*CAM-3 Landfarm Plan (Draft)*”, dated January 31, 2024 and looks forward to receiving the final version of the plan.

Spill Contingency Plan

As part of its amendment Application package, the Licensee submitted a revised spill contingency plan entitled “*Spill Plan for the North Warning System*”, dated March 26, 2024. The Licensee

also submitted an updated spill contingency plan entitled “*Spill Plan for the North Warning System*”, dated March 27, 2025, which is accepted by the Board with the issuance of this amendment.

Quality Assurance / Quality Control (QA/QC)

The Board acknowledges the submission entitled “*Berm Water Sampling Standard Procedure*”, dated April 02, 2025, which was revised to incorporate comments from CIRNA.

Monitoring

Part J, Item 2 of the Licence shall be amended to include the new water source in the monitoring station SHE-1.

Summary of Received Comments

Crown Indigenous Relations and Northern Affairs (CIRNA):

1. CIRNA recommended that the Licensee clarify if other areas near the proposed water source are prone to washouts and erosion and describe sediment and erosion controls that will be used to minimize damage to watercourses.

Licensee Response: “*Nasittuq inspected the road to the new proposed water lake and has found no evidence of washouts and erosion. If this were to occur, we would follow the North Warning System (NWS) Environmental Protection Plan (EPP) Section 9: Roads Grounds and Helipads, which outlines requirements for silt fences, etc. Nasittuq also has a Gravel Plan and Erosion Control Plan to address these issues.*”

2. CIRNA recommended that the Licensee clarify why there are discrepancies between the hold times in the approved and revised “*Berm Water Sampling Standard Procedure*”, and whether longer hold times will impact the validity of laboratory measurements, and update Section 2.5.3 and Appendix B of the new plan.

Licensee Response: “*Nasittuq has reworked this plan. Section D-2.5.3 (now in Appendix D) has been clarified to note current laboratory requirements as per ISO/IEC Standard 17025 are to be used for bottles, preservatives and hold times. Section D-2.4 (now in Appendix D) has been updated to clarify samples are to be shipped ASAP. Reference to specific hold times for each parameter were removed as the approach to check with the laboratory will ensure most up to date requirements are followed (typically 14 days). A notification to the Inspector 10 days prior to discharging berm water has been added to the sampling decision tree.*”

3. CIRNA recommended that the Licensee provide further information on the proposed lake, demonstrating that it is suitable as a water source, and describe factors that may be contributing to the freezing of the designated lake, including the potential impacts of water withdrawal or lake drawdown.

Licensee Response: The Licensee provided the requested information including the hydrogeological information on the lake and clarified that an assessment was conducted to evaluate the viability of the lakes in vicinity of CAM-3 and was found that the proposed lake is the most viable lake for water supply.

Fisheries and Oceans Canada (DFO):

1. DFO recommended that the Licensee adhere to DFO's protective measures for fish and fish habitat, as well as standard codes of practice, to be in compliance with the *Fisheries Act* and utilize the provided resources to avoid impacting fish or their habitat.

Licensee Response: *"Nasittuq has reviewed the documents in DFO's recommendations and confirms that applicable requirements are integrated into NWS Standard Procedures. Though the proposed lake freezes to the bottom and likely does not contain any fish, for a conservative approach, Nasittuq employs end-of-pipe fish protection screens."*

LICENCE AMENDMENT No. 2

The Licence shall be amended to indicate the following:

PART C: CONDITIONS APPLYING TO WATER USE

Amend Item 1 to read:

The Licensee shall obtain all Water from Water Lake and Winter Water Lake. Total Water use shall not exceed two hundred and ninety-nine (299) cubic metres per day. The volume of Water for all purposes under this Licence shall not exceed three thousand (3,000) cubic metres per year.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

Amend Item 2 to read:

The Licensee shall implement the updated version of the plan entitled “*Sewage Disposal at Remote Nunavut LRRs Plan*”, dated September 29, 2023, which was previously approved by the Board.

PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

Amend Item 1 to read:

The Licensee shall implement the updated version of the plan entitled “*Spill Contingency Plan for the North Warning System*”, dated March 27, 2025, which was previously approved by the Board.

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

Amend Item 2 to read:

The Licensee shall maintain the following Monitoring Program Stations:

Monitoring Program Station Number	Description	Status
SHE-1	Freshwater Intake at Water Lake and Winter Water Lake	Active (Volume cubic metres)

SHE-2	Final Discharge Point of the Sewage Disposal Facility Sump	Active (Quality)
SHE-3	Final Discharge Point of the Bulk Fuel Storage Facility	Active (Quality)
SHE-4	Final Discharge Point from the Landfarm	Active when built

All remaining terms and conditions of the Licence 8BC-SHE1929 Type B dated September 1, 2019, and Amendment No. 1 dated XXXXX, still apply.

This Licence Amendment No. 2 is issued and recorded at Gjoa Haven, NU on May 01 2025.

Approved by,

Lootie Toomasie
Nunavut Water Board
Chair