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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

File No: **8BC-SHE1929 /**  
**Amendment No. 1**

April 14, 2022

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**RE: NWB Amendment Water Licence No: 8BC-SHE1929 – Amendment No. 1**

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Dear Mr. Wyman and Colonel Henley:

Please find attached **Amendment No. 1** 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 # 2022-B1-004**) 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 related to Water use and Waste disposal remain an integral part of this approval.

The NWB notes that the Nunavut Planning Commission (NPC) has indicated<sup>1</sup> 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 and October 29, 2018, 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: 03DN117<sup>2</sup>) 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.*”

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<sup>1</sup> NPC Determination, dated December 15, 2021.

<sup>2</sup> NIRB Screening Decision, dated December 21, 2018.

Sincerely,

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Lootie Toomasie  
Nunavut Water Board,  
Chair

LT/sk/ri

Enclosure: **Licence No: 8BC-SHE1929 – Amendment No. 1**

Comments – CIRNA

Cc: Distribution List – Kitikmeot

## LICENCE AMENDMENT No. 1

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<b>Licensee:</b>	<b>GOVERNMENT OF CANADA, DEPARTMENT OF NATIONAL DEFENCE</b>
<b>Licence No:</b>	<b>8BC-SHE1929, Type "B"</b>
<b>Licence Issued:</b>	<b>September 1, 2019</b>
<b>Licence Expiry:</b>	<b>August 31, 2029</b>
<b>Amendment No. 1 Effective Date:</b>	<b>April 14, 2022</b>

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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 January 19, 2022, 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 increase the Water use limit to three thousand (3,000) cubic metres *per year*, during operation and maintenance of the CAM-3 Long Range Radar Station located on the east side of Shepherd Bay approximately 82 km south of the Hamlet of Taloyoak, within the Kitikmeot Region, Nunavut. Additionally, the Applicant is requesting to increase staffing levels to at least 9 staff members, who will be stationed at the site for 182 days of the year (during the summer months) until October 1, 2023, and who will reside on site full time (365 days of the year) from October 1, 2023 onward.

### **Procedural History**

On January 19, 2022 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:

- NPC Determination, dated October 29, 2018;
- NIRB Screening Decision Report, dated December 21, 2018;
- Application for Water Licence Amendment;
- Executive Summary (English and Inuktitut);
- Exploration Remote Camp Questionnaire;
- CAM-3 Site Description and Site Map;
- 2017 Water Licence Inspection Report;
- QA/QC Plan for Berm Water Sampling at CAM-M, CAM-3, FOX-3, DYE-M, and BAF-3, dated July 16, 2021;
- NWB Licence Compliance Assessment 2021;
- Spill Contingency Plan for the North Warning System, dated July 20, 2021;
- Sewage Disposal Plan: Sumps for Sewage Outfalls at CAM-3, FOX-3, DYE-M, and BAF-3, dated July 16, 2021; and

- CAM-3 Landfarm Design and Management Plan, dated October 18, 2021.

On February 2, 2022, the NWB acknowledged receipt and distributed the application to interested persons for a thirty-day comment and review period with a deadline of March 4, 2022. On or before the deadline for comments, Crown Indigenous Relations and Northern Affairs (CIRNA)<sup>3</sup> provided a submission, where they indicated that the Department had no comments.

Complete details on the interveners' submissions received are available from the NWB File Transfer Protocol (FTP) site using the following link:

[ftp://ftp.nwb-oen.ca/registry/8%20MISCELLANEOUS/8B/8BC%20-%20CAMP/8BC-SHE1929%20\(CAM-3\)/2%20ADMIN/3%20SUBMISSIONS/](ftp://ftp.nwb-oen.ca/registry/8%20MISCELLANEOUS/8B/8BC%20-%20CAMP/8BC-SHE1929%20(CAM-3)/2%20ADMIN/3%20SUBMISSIONS/)

### **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.

### **Solid Waste Disposal**

On-site landfilling is not permitted under this Licence. The Applicant indicated that all non-hazardous domestic solid waste will continue to be disposed off in the Cambridge Bay landfill. Bulky items and hazardous wastes will be shipped off site for disposal at a licensed disposal facility.

The Licensee has previously indicated that there were future plans to develop an on-site alternative, where paper products and packaging, untreated wood and natural fiber textiles would be segregated and incinerated on-site. The Licensee is advised to submit an Operation and Maintenance Plan that reflects such changes in operation, once this alternative is constructed.

### **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 Plan: Sumps for Sewage Outfalls at CAM-3, FOX-3, DYE-M, and BAF-3*", dated July 16, 2021, which was accepted by the Board with the issuance of this Amendment.

Sewage (Blackwater) and greywater are combined in the sewage system. The sewage system comprises a sump tank, holding tank, and masticating pump within the building train. Sewage is not discharged from the building daily. When the holding tank nears, or reaches, capacity the sewage is discharged out the sewage outfall pipe to the receiving outfall sump located outside.

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<sup>3</sup> CIRNA Letter, Re: Crown-Indigenous Relations and Northern Affairs Canada's Review of Department of National Defence's Water Licence 8BC-SHE1929 Amendment Application for the CAM-3, North Warning System Long Range Radar Site, Shepherd Bay, Nunavut, dated March 04, 2022.

## **Landfarm Operations**

There are no changes to landfarm operations at the CAM-3 site. The Applicant has submitted a revised Plan entitled “*CAM-3 Landfarm Design and Management Plan*”, dated October 18, 2021. This updated Plan has been accepted by the Board.

## **Spill Contingency Plan**

As part of its Amendment Application package, the Applicant submitted a revised Spill Contingency Plan entitled “*Spill Contingency Plan for the North Warning System*”, dated July 20, 2021. This updated Plan has been accepted by the Board.

## **Quality Assurance / Quality Control Plan (QA/QC)**

The Applicant submitted, as part of its Amendment Application package, a revised QA/QC Plan entitled “*QA/QC Plan for berm water sampling at CAM-M, CAM-3, FOX-M, FOX-3, DYE-M and BAF-3*” dated July 16, 2021. The revised QA/QC Plan is found acceptable by the Board.

## **Monitoring**

There are no changes to the existing monitoring plan.

## **LICENCE AMENDMENT No. 1**

**The Licence shall be amended to indicate the following:**

**Amend Page 1:**

<b>Quantity of Water Use Not to Exceed to read:</b>	<b><u>THREE THOUSAND (3,000) CUBIC METRES PER ANNUM AND LESS THAN THREE HUNDRED (300) CUBIC METRES PER DAY</u></b>
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### **PART C: CONDITIONS APPLYING TO WATER USE**

**Amend Item 1 to read:**

The Licensee shall obtain all Water from 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 1 to read:**

The Licensee shall implement the updated Plan entitled “*CAM-3 Landfarm Design and Management Plan*”, dated October 18, 2021, which was previously approved by the Board.

**Amend Item 2 to read:**

The Licensee shall implement the updated Plan entitled “*Sewage Disposal Plan: Sumps for Sewage Outfalls at CAM-3, FOX-3, DYE-M, and BAF-3*”, dated July 16, 2021, 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 Plan entitled “*Spill Contingency Plan for the North Warning System*”, dated July 20, 2021, which was previously approved by the Board.

**PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM**

**Amend Item 1 to read:**

The Board has accepted the revised Plan entitled “*QA/QC Plan for Berm Water Sampling at CAM-M, CAM-3, FOX-M, FOX-3, DYE-M and BAF-3*”, dated July 16, 2021, that was submitted as additional information with the Application.

**All remaining terms and conditions of the Licence 8BC-SHE1929 Type “B”, effective September 1, 2019, still apply.**

This Licence Amendment No. 1 is issued and recorded at Gjoa Haven, NU on April 12, 2022.

Approved by,

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Lootie Toomasie  
Nunavut Water Board  
Chair