



ᓄᓇᓂᓪ ᐃᓕᓂᓪᓴᓪ ᑲᓂᓕᓂᓪᓴᓪ
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No: **8BC-DYE1929 /
Amendment No. 1**

April 14, 2022

William Wyman
Environmental Officer
CF Real Properties Operations Group - North
Department of National Defence
101 Colonel By Drive
Ottawa, Ontario K1A 0K2

Colonel Donald Henley
Assistant Deputy Minister (Infrastructure
and Environment) (Carling Campus)
CF Real Properties Operations Group
60 Moodie Drive
Ottawa, Ontario K1A 0K2

Email: William.Wyman@forces.gc.ca

Email: Donald.Henley@forces.gc.ca

RE: NWB Amendment Water Licence No: 8BC-DYE1929 – Amendment No. 1

Dear Mr. Wyman and Colonel Henley:

Please find attached **Amendment No. 1** to the Type “B” Licence No: **8BC-DYE1929** issued to the Government of Canada, Department of National Defence by the Nunavut Water Board (NWB or Board) (**Motion # 2022-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 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 a decision stating that this project proposal is located outside the area with an applicable Regional Land Use Plan had been issued on October 25, 2018 and remains 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 Nos: 04DN001² and 03DN124³) and do not require additional screening, “because the NPC is of the understanding that it does not change the general scope of the original 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 15, 2021.

² NIRB Screening Decision, dated March 11, 2008.

³ NIRB Screening Decision, dated December 20, 2018.

Sincerely,

Lootie Toomasie
Nunavut Water Board,
Chair

LT/sk/ri

Enclosure: **Licence No: 8BC-DYE1929 – Amendment No. 1**

Comments – CIRNA

Cc: Distribution List – Qikiqtani

LICENCE AMENDMENT No. 1

Licensee:	GOVERNMENT OF CANADA, DEPARTMENT OF NATIONAL DEFENCE
Licence No:	8BC-DYE1929, Type “B”
Licence Issued:	September 1, 2019
Licence Expiry:	August 31, 2029
Amendment No. 1 Effective Date:	April 14, 2022

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 DYE-M Long Range Radar Station located at Cape Dyer on Baffin Island within the Qikiqtani 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-DYE1929:

- NPC Determination, dated October 25, 2018;
- NIRB Screening Decision Report, dated December 20, 2018;
- Application for Water Licence Amendment;
- Executive Summary (English and Inuktitut);
- Exploration Remote Camp Questionnaire;
- DYE-M Site Description and Site Map;
- 2019 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

- DYE-M Landfarm Design and Management Plan, dated October 5, 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)⁴ 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-DYE1929%20\(DYE-M\)/2%20ADMIN/3%20SUBMISSIONS/](ftp://ftp.nwb-oen.ca/registry/8%20MISCELLANEOUS/8B/8BC%20-%20CAMP/8BC-DYE1929%20(DYE-M)/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

A historical landfill at DYE-M has been capped by the DEW Line Clean-up (DLCU) project and is now closed. 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 Iqaluit 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 DYE-M 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.

⁴ CIRNA Letter, Re: Crown-Indigenous Relations and Northern Affairs Canada's Review of Department of National Defence's Water Licence 8BC-DYE1929 Amendment Application for the DYE-M, North Warning System Long Range Radar Site, Cape Dyer, Nunavut, dated March 04, 2022.

Landfarm Operations

There are no changes to landfarm operations at the DYE-M site. The Applicant has submitted a revised Plan entitled “*DYE-M Landfarm Design and Management Plan*”, dated October 5, 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:

Quantity of Water Use Not to Exceed to read:	<u>THREE THOUSAND (3,000) CUBIC METRES PER ANNUM AND LESS THAN THREE HUNDRED (300) CUBIC METRES PER DAY</u>
---	--

PART C: CONDITIONS APPLYING TO WATER USE

Amend Item 1 to read:

The Licensee shall obtain all Water from Water Lake or the Meltwater water source. 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 “*DYE-M Landfarm Design and Management Plan*”, dated October 5, 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-DYE1929 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,

Lootie Toomasie
Nunavut Water Board
Chair