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DECISION

LICENCE 8BC-EUR1621 AMENDMENT No.1

Licensee:	Environment and Climate Change Canada.
Licence No:	8BC-EUR1621 Type “B”
Licence Issued:	August 11, 2016
Amendment Effective:	July 18, 2018
Licence Expiry:	August 10, 2021

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* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, with respect to the application for amendment submitted on June 14, 2018, by Environment and Climate Change Canada, for the Eureka High Arctic Weather Station (HAWS) Project, the Nunavut Water Board hereby grants the following Licence amendment.

Licence 8BC-EUR1621, with respect to use of water and deposit of waste, shall be amended with terms and conditions, allowing ECCC, to undertake the following in support of the HAWS Project:

- Upgrade an existing all-terrain vehicle (ATV) path/trail to a six (6) metre wide permanent road from West Remus Creek to the current Eureka runway for a total length of approximately 12 kilometres (km);
- Development of a new borrow area located at West Remus Creek for use of up to 75,000 cubic metres (m³) aggregate to construct road;
- Placement of culverts along to road to drain melt runoff including two (2) Arch culverts in Blacktop Creek to create a culvert bridge;
- Movement of crusher from Blacktop Creek to West Remus Creek;
- Use of water from West Remus Creek for dust suppression; and
- Storage and use of fuel for improvement activities with facility to be located at Remus Creek.

Following screening by the NIRB, the following activities were excluded by Applicant from the project scope:

- Movement of the temporary 24-person camp from Blacktop Creek to West Remus Creek, with removal of camp at completion of road construction works;
- Use of top load waste incinerator for incineration of combustible wastes at the temporary camp; and
- Disposal of sewage and grey water in sewage lagoon from temporary camp activities.

Scope

This application for an amendment to the current licence was reviewed by NWB technical staff and intervening parties, including DFO and CIRNAC. The Application was found to be technically complete with minor comments being brought forward by interested parties, and addressed by the Applicant.

The Project for which this Amendment No. 1 is issued is classified as a “Other Undertaking” in accordance with Schedule 1, Item 8 of the *Nunavut Waters Regulations*².

There were no concerns expressed during the review period with respect to the amount of water requested or the manner in which it would be used as long as there are proper measures in place to minimize the risks of water-bodies potential drawn down in accordance with Part C, Item 2 of the existing Licence.

Taking into account the information presented in the application and considering interveners’ comments, the Board has included, under Part C, Item 1 of this amendment, authorizes the construction of a haul road and water crossing over Blacktop Creek and the development of a new quarry.

² SOR-2013-69.



NUNAVUT WATER BOARD WATER LICENCE AMENDMENT No.1

Licence No. 8BC-EUR1621 Amendment No. 1

Pursuant to the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada*, the Nunavut Water Board, hereinafter referred to as the Board, hereby grants to

ENVIRONMENT AND CLIMATE CHANGE CANADA

(Licensee)

335 RIVER ROAD, OTTAWA, ON K1V 1C7

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use water or dispose of Waste for a period subject to restrictions and conditions contained within this Licence Amendment:

Licence Number/Type: **8BC-EUR1621 AMENDMENT NO. 1 / TYPE "B"**

Water Management Area: **NANSEN AND EUREKA SOUNDS WATERSHED No.59**

Location: **QIKIQTANI REGION, NUNAVUT**

Classification: **OTHER UNDERTAKING**

Purpose: **USE OF WATER AND DEPOSIT OF WASTE**

Quantity of Water use not to Exceed: **10,000 CUBIC METRES PER ANNUM AT A MAXIMUM RATE OF 299 CUBIC METRES PER DAY**

Date of Licence Issuance: **AUGUST 11, 2016**

Expiry of Licence: **AUGUST 10, 2021**

This Licence amendment, issued and recorded at Gjoa Haven, Nunavut, includes and is subject to the annexed conditions.

Lootie Toomasie
Nunavut Water Board, Chair

LICENCE AMENDMENT No. 1

The Licence shall be amended to indicate the following:

DECISION

WATER LICENCE NUMBER: 8BC-EUR1621

This is the decision of the Nunavut Water Board (NWB) with respect to an application dated June 14, 2018 for a Water Licence Amendment made by:

ENVIRONMENT AND CLIMATE CHANGE CANADA

to allow for the use of water for dust suppression and construction of a water crossing during operations and routine maintenance, runway surface repair and construction of a new multi-purpose building at the Environment and Climate Change Canada's Eureka High Arctic Weather Station (HAWS), located on Ellesmere Island within the Qikiqtani Region, Nunavut, generally located at the geographical coordinates as follows:

Project Extents: Maximum Latitude: 79° 56' 22" N Maximum Longitude: 85° 19' 04" W
Minimum Latitude: 79° 56' 02" N Minimum Longitude: 85° 21' 32" W

PART C: CONDITIONS APPLYING TO WATER USE

Amend Item 1 to Read

The Licensee shall obtain all fresh Water for all purposes under this Licence, including the temporary construction camp, through the Water Supply Facility and from West Remus Creek for dust suppression, shall not exceed ten thousand (10,000) cubic metres *per year*, at a rate not exceeding two hundred and ninety-nine (299) cubic metres *per day*.

PART E: CONDITIONS APPLYING TO CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS

Amend Item 3 to Read

All surface runoff and/or discharge from drainage management systems, during the construction of any facilities and infrastructure associated with this project, including from quarry development at Monitoring Program Station EUR-5, referred to in Part J, Item 1, shall not exceed the following Effluent quality limits:

Parameter	Maximum Concentration of any Grab Sample
Total Suspended Solids	50 mg/L
Oil and Grease	15 mg/L and no visible sheen
pH	Between 6.0 and 9.5

Insert Item 10

The Licensee shall implement the Plan entitled “Quarry Operation Plan, West Remus Quarry, Eureka, Nunavut”, Nuna East Ltd., dated February 16, 2018, having been approved by the Board with the issuance of this Amendment.

Insert Item 11

The Licensee shall, during periods of flow and following a major precipitation event, conduct water quality testing on a monthly basis, of any significant water seeps in contact with the roads, earthworks and any flows originating from quarries for criteria listed under Part E, Item 3.

Insert Item 12

The Licensee shall locate stream crossings to minimize approach grades. Approaches shall be stabilized during construction and upon completion of the project, to control runoff, erosion and subsequent siltation to any water body.

Insert Item 13

The Licensee shall limit any in-stream activity to low water periods. In-stream activity is prohibited during fish migration.

Insert Item 14

The Licensee shall not cut any stream bank or remove any material from below the ordinary High Water Mark of any water body.

Insert Item 15

Sediment and erosion measures must be used to mitigate the deposition of debris and sediment into or onto any Water body during the construction and operation. These materials shall be disposed at a distance of at least thirty one (31) metres from the ordinary High Water Mark in such a fashion that they do not enter Water.

Insert Item 16

The Licensee shall maintain a minimum of thirty-one (31) metres undisturbed buffer zone between the periphery of quarry sites and the ordinary High Water Mark of any water body unless otherwise approved by the Bard in writing.

Insert Item 17

The Licensee shall not excavate and/or remove material from the quarry beyond a depth of one (1) metre above the ordinary High Water Mark or above the groundwater table, to prevent the potential contamination of groundwater.

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

Amend Item 2 to Read

The Licensee shall measure and record in cubic metres, the daily, monthly and annual quantities of water pumped from Station Creek during the annual recharge of the Eureka water reservoir and from West Remus Creek during dust suppression at monitoring Program Station EUR-1.

All remaining terms and conditions of the Licence 8BC-EUR1621 Type ‘B’ dated August 11, 2016, still apply.

This Licence Amendment issued and recorded at Gjoa Haven, NU on July 18, 2018.

Approved by,

Lootie Toomasie
Nunavut Water Board, Chair