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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: 8WLC-CAR1617

April 26, 2016

Matthew B. Alkire
Applied Physics Laboratory, University of Washington
1013 NE 40th Street
Seattle, WA 98105

Email: malkire@apl.washington.edu

Subject: 8WLC-CAR1617 – Assessing the Impact of Small Canadian Arctic River Flows to the Freshwater Budget of the Canadian Archipelago Project - Approval for the Use of Waters without a Licence

Dear Matthew Alkire:

Please find attached Approval number 8WLC-CAR1617 issued to Matthew B. Alkire, Applied Physics Laboratory, University of Washington (the Authorized Entity) by the Nunavut Water Board (NWB or Board) 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 (the Nunavut Land Claims Agreement or NLCA)*. The Approval has been authorized for a period of one (1) year after the day on which the Board approves the Application and includes conditions related to the use of Waters and Deposit of Waste, which are an integral part of this Approval required for this type of authorization under the *Nunavut Waters Regulations* (NWR).

This approval and the conditions contained therein permit the carrying out of activities involving the use of Waters with respect to the Application for approval. Any variation from these activities may result in a violation of this Approval and contravention of the NLCA, the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA) or the NWR. The NWB would like to remind the Applicant of the obligations with respect to the reclamation and reporting, which will arise as this Approval approaches its expiry.

If activities authorized under the Approval are expected to continue longer than the term authorized, it is recommended that the Authorized Entity, upon receipt of confirmation¹ from the Nunavut Planning Commission (NPC) and/or the Nunavut Impact Review Board (NIRB) that relevant requirements have been satisfied, apply for a new Approval at least thirty (30) days prior to the expiry of the current authorization. Note that if the existing approval expires before the NWB issues a new Approval, the use of Waters and/or deposit of Waste must cease as required by the Nunavut Land Claims Agreement (NLCA) and the NWNSRTA.

¹NPC and NIRB Requirements under NuPPA

If the Authorized Entity contemplates changes to its undertaking involving a change in scope or increased activity, a water licence may be required. It is the Authorized Entity's responsibility to apply to the NWB for a water licence in accordance with the timelines set out for licences.

This Approval has been posted to the NWB's Public Registry and FTP site and is accessible from the following link:

<ftp://ftp.nwb-oen.ca/1%20PRUC%20PUBLIC%20REGISTRY/8%20MISCELLANEOUS/8WL/8WLC%20-%20Camp/8WLC-CAR1516%20Alkire/4%20LICENCE/1%20LICENCE/>
Sincerely,

Thomas Kabloona
Nunavut Water Board
Chair

TK/sa/vk

Enclosure: Approval Number: 8WLC-CAR1617

cc. Kitikmeot and Qikiqtani DL



NUNAVUT WATER BOARD APPROVAL WITHOUT A LICENCE

APPROVAL DECISION

APPROVAL NUMBER: 8WLC-CAR1617

This is the decision of the Nunavut Water Board (NWB) with respect to an application for Approval for the use of Waters without a licence, dated 01/03/2016 made by:

**MATTHEW B. ALKIRE- APPLIED PHYSICS LABORATORY, UNIVERSITY OF
WASHINGTON**

to authorize the use of Waters during sampling activities at the Assessing the Impact of Small Canadian Arctic River Flows to the Freshwater Budget of the Canadian Archipelago Project, located within the KITIKMEOT and the QIKIQTANI Regions, Nunavut and within Watersheds of: Coronation Gulf (29), Queen Maud Gulf (30), Rasmussen Basin – Larsen Sound (33), Western Somerset Island (44) and Southwestern Baffin Bay (49) Watersheds, generally at the following geographical coordinates:

Project:	Max Latitude: 74.050 °N	Max Longitude: 115.080 °W
	Min Latitude: 66.908 °N	Min Longitude: 68.586 °W

DECISION

After receiving confirmation from the Nunavut Planning Commission (NPC)² that the Application is for a project proposal that conforms to the North Baffin Regional Land Use Plan (NBRLUP) and a decision from the Nunavut Impact Review Board (NIRB) that the Application does not require a review under section 92(1)(a) of the Nunavut Planning and Project Assessment Act (NuPPAA)³, the Board is satisfied that the requirements of Articles 11 and 12 of the *Nunavut Lands Claim Agreement* (NLCA) and sections 3, 4 (Water use Only) and 5 (Waste deposit only) of the *Nunavut Waters Regulations* (NWR or *Regulations*) have been adequately addressed. In addition, through the provision of a signed Application for an Approval Without a Licence, the Applicant has agreed to adhere to sections 4(3), 5(4), and 6(1) of the *Regulations* and to comply with the associated requirements, the NWB determined that:

Approval Number 8WLC-CAR617 be issued, subject to the conditions of Schedule 1 contained therein (Motion # 2016-WL-005).

SIGNED this 26th day of April, 2016 at Gjoa Haven, NU.

Thomas Kabloona
Nunavut Water Board
Chair

TK/sa/vk

² Letter from Nunavut Planning Commission (NPC) Re: NPC File # 148254 Assessing the Impact of Small, Canadian Arctic River Flows to the Freshwater Budget of the Canadian Archipelago, April 15, 2016

³ Screening Decision Report NIRB File No. 13YN042, February 19, 2014



NUNAVUT WATER BOARD APPROVAL WITHOUT A LICENCE

APPROVAL NO. 8WLC-CAR1617

Pursuant to the *Nunavut Waters Regulations, 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

**MATTHEW B. ALKIRE- APPLIED PHYSICS LABORATORY, UNIVERSITY OF
WASHINGTON**

of

1013 NE 40TH STREET, SEATTLE, WA 98105

Hereinafter called the Authorized Entity, the right to use Waters and Deposit waste for a period of one (1) year after the day on which the Board approved the Application, subject to the conditions contained in Schedule 1 attached to this Approval:

Project Name: **ASSESSING THE IMPACT OF SMALL CANADIAN
ARCTIC RIVER FLOWS TO THE FRESHWATER
BUDGET OF THE CANADIAN ARCHIPELAGO**

Location: **KITIKMEOT AND QIKIQTANI REGIONS, NUNAVUT**

Water Management Area: **CORONATION GULF (29), QUEEN MAUD GULF (30),
RASMUSSEN BASIN – LARSEN SOUND (33), WESTERN
SOMERSET ISLAND (44), SOUTHWESTERN BAFFIN BAY (49)
WATERSHEDS**

Classification of
Undertaking: **OTHER**

Purpose: **USE OF WATERS**

Approval Criteria: **TOTAL WATER USE OF 1.0 CUBIC METRE PER DAY, NO
WASTE DEPOSIT PERMITTED, ALL WASTE WILL BE FLOWN
OUT**

Effect Date: **April 26th, 2016**

Expiry of Approval: **April 25th, 2017**

Dated this 26th day of April, 2016, at Gjoa Haven, NU

Thomas Kabloona
Nunavut Water Board
Chair



SCHEDULE 1

CONDITIONS FOR USE OF WATER OR DEPOSIT OF WASTE WITHOUT A LICENCE

General

1. In the case of an Authorized Entity who has a mineral right and who intends to use Waters or deposit Waste in relation to that right, the Authorized Entity shall respect the priority conferred on Inuit by section 62 of the *Act* as if that applicant had a licence for the use or deposit.

Use of Waters

2. The Authorized Entity shall take measures prior to the use of Waters to minimize any alteration to the bed or banks of a watercourse whose waters are to be used, and the measures shall be maintained during the operation of the undertaking.

Abandonment and Restoration

3. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of Waters without a licence, whichever occurs first, the site shall be restored — to the extent practicable — to the state in which it was before the use of Waters.^a

Record Keeping

4. The Authorized Entity shall:
 - a. maintain accurate and detailed books and records of:
 - i. the quantity of water, in cubic metres, used each day,
 - b. keep the books and records on the site of the undertaking during the period of its operation and make them available during that period to an inspector on request;
 - c. submit to the Board a report containing a summary description and supporting photographs of the restoration of the site of the undertaking within thirty (30) days after the earliest of (i) the day on which the undertaking is closed or abandoned, and (ii) the last day of the period authorized for the unlicensed use or deposit;^b and
 - d. keep the books and records for two years after submitting the report describing the restoration of the site and undertakings.

Notes:

- a) A site need not be restored prior to the end of the period authorized for the use of Water or the deposit of Waste without a licence, as required by Item 5, if the Board issues a licence for the use of Water or deposit of Waste for the same undertaking on same site prior to the end of that period.
- b) The Authorized Entity need not submit the report referred to in Item 6 (c) if the Authorized Entity obtains a new approval authorizing a use of Water or deposit of Waste without a licence, or a licence authorizing a use of Water or deposit of Waste for the same undertaking on the same site within thirty (30) days after the last day of the period previously authorized.