

MEMO

To:
NWB Manager of Licensing
P.O. Box 119
Gjoa Haven, NU, X0B 1J0

Copies:

N/A

Arcadis Canada Inc.
1050 Morrison Drive
Suite 201
Ottawa
Ontario K2H 8K7
Tel 613 721 0555
Fax 613 721 0029

From:

Arcadis Canada Inc.

Date:

November 12, 2019

Arcadis Project No.:

102153-000

Subject:

License No. 1WLM-TCV1617 – Report Pursuant to Item 6c, of the license
1WLM-TCV1617

Arcadis Canada Inc. would like to submit this follow up report pursuant to Item 6c, of the Nunavut Water Board License 1WLM-TCV1617.

Arcadis conducted a single surface water collection event, comprising a total of 7 different water sample locations on LOT 667, Iqaluit, 69309 CSLR NU at the former Transport Canada Vehicle Dump and Community Landfill project located within the Qikiqtani Region of Nunavut, within the Frobisher Bay Watershed (#53), generally at the following geographical coordinates:

- Max Latitude: 63.738497 Max Longitude: -68.549586
- Min Latitude: 63.733812 Min Longitude: -68.559208

The work was conducted in the fall of 2016 and consisted of the collection of surface water samples which entailed removal of 2 litres of surface water per sample location, for a total water removal of 14 litres.

The work was conducted by hand, by dipping laboratory supplied containers into the surface water bodies. No disturbance of the water body sediments occurred at any time during this work.

No site restoration was required following the work. No waste was deposited at any time during this surface water sampling program.

We trust that this NWB approval may now be closed.

Sincerely,

Arcadis Canada Inc.

Ryan Fletcher, C.Tech, EP

MEMO

Enclosures:

Photographs

- Photographs of the Sample Locations

License

- Copy of NWB Water License 1WLM-TCV1617

Project Photographs

Iqaluit Landfill – Surface
Water Sampling Stations



Photo: #1

Date:

October 2016

Description:

Sample SW16-03

Location:

SW16-03



Photo: #2

Date:

October 2016

Description:

Sample SW16-02

Location:

SW16-02

Project Photographs

Iqaluit Landfill – Surface
Water Sampling Stations



Photo: #3

Date:

October 2016

Description:

Sample SW16-01

Location:

SW16-01



Photo: #4

Date:

October 2016

Description:

Sample SW16-04

Location:

SW16-04

Project Photographs

Iqaluit Landfill – Surface
Water Sampling Stations



Photo: #5

Date:
October 2016

Description:
SW16-05

Location:
SW16-05



Photo: #6

Date:
October 2016

Description:
SW16-06

Location:
SW16-06

Project Photographs

Iqaluit Landfill – Surface
Water Sampling Stations



Photo: #7

Date:
October 2016

Description:
Sample SW16-07

Location:
SW16-07



ᓄᓇᓴᓐ ᐃᓕᓕᓴᓐᓐ ᑲᓂᓕᓴᓐᓴᓐ
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No. 1WLM-TCV1617

October 21, 2016

Ryan Fletcher, C.Tech, EP
Arcadis Canada Inc.
329 Churchill Avenue North
Suite 200
Ottawa, ON, K1Z 5B8

Email: Ryan.fletcher@arcadis.com

Subject: Approval No. 1WLM-TCV1617 – Approval for the Use of Waters Without a Licence for the Collection of Water Samples for the Transport Canada Vehicle Dump and Community Landfill Project

Dear Mr. Fletcher:

Please find attached Approval No. **1WLM-TCV1617**, issued to Arcadis Canada Inc. 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 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 an 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 reminds the Applicant of the obligations with respect to the reclamation and reporting, which will arise as this Approval approaches its expiry.

If the 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

¹Nunavut Planning Commission (NPC) and the Nunavut Impact Review Board (NIRB) Requirements under the Nunavut Planning and Project Assessment Act (NuPPAA).

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 must cease as required by the Nunavut Land Claims Agreement (NLCA) and the NWNSRTA.

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/registry/1%20INDUSTRIAL/1WLM-TCV1617%20Segboer/>

Sincerely,

Thomas Kabloona
Nunavut Water Board, Chair

TK/ce/ip

Enclosure: **Approval No. 1WLM-TCV1617**

Cc. Qikiqtani Region



NUNAVUT WATER BOARD APPROVAL WITHOUT A LICENCE

APPROVAL DECISION

APPROVAL NUMBER: 1WLM-TCV1617

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 September 9, 2016, made by:

ARCADIS CANADA INC.

to authorize the use of Waters during the water sampling activities of the Transport Canada Vehicle Dump and Community Landfill Project, located within the Qikiqtani Region of Nunavut, within the Frobisher Bay Watershed (#53), generally at the following geographical coordinates:

Max Latitude: 63.738497

Max Longitude: -68.549586

Min Latitude: 63.733812

Min Longitude: -68.559208

DECISION

After receiving confirmation from the Nunavut Planning Commission (NPC)² that the Application is for a project proposal that is outside of an area with a Regional Land Use Plan and a decision that the Application does not require a review under section 92(1)(a) of the *Nunavut Planning and Project Assessment Act* (NuPPAA), the Board is satisfied that the requirements of Articles 11 and 12 of the *Nunavut Lands Claim Agreement* (NLCA) and sections 3, 4 and/or 5 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 1WLM-TCV1617 be issued, subject to the conditions of Schedule 1 contained therein (Motion # 2016-WL-023).

SIGNED this 21st day of October, 2016 at Gjoa Haven, NU.

Thomas Kabloona
Nunavut Water Board
Chair

TK/ce/ip

² Nunavut Planning Commission (NPC) Conformity Determination, September 14, 2016.



**NUNAVUT WATER BOARD
APPROVAL WITHOUT A LICENCE**

APPROVAL NO. 1WLM-TCV1617

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

ARCADIS CANADA INC.

329 Churchill Avenue North, Suite 200, Ottawa, ON, K1Z 5B8

Hereinafter called the Authorized Entity, the right to use Waters 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:	TRANSPORT CANADA VEHICLE DUMP AND COMMUNITY LANDFILL PROJECT
Location:	QIKIQTANI REGION, NUNAVUT
Water Management Area:	FROBISHER BAY WATERSHED (#53)
Classification of Undertaking:	INDUSTRIAL UNDERTAKING
Purpose:	USE OF WATERS
Approval Criteria:	WATER USE SHALL NOT EXCEED 0.1 CUBIC METRE PER ANNUM
Effect Date:	OCTOBER 21, 2016
Expiry of Approval:	OCTOBER 20, 2017

Dated this 21st day of October, 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.

Deposit of Waste

3. The Authorized Entity shall not deposit Waste to surface water or within thirty-one (31) metres of the ordinary high water mark of any body of water.
4. The waste must not contain more than 15 milligrams per litre of petroleum or petroleum product and must not have a visible hydrocarbon sheen.

Abandonment and Restoration

5. Prior to the closure or abandonment of the undertaking or end of the period authorized for the use of Waters or deposit of waste 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 or the deposit of Waste.^a

Record Keeping

6. The Authorized Entity shall:
 - a. maintain accurate and detailed books and records of:
 - i. the quantity of water, in cubic metres, used each day,
 - ii. the quantity, in cubic metres, of waste deposited each day,
 - iii. the type of waste deposited each day,
 - iv. where the waste is deposited including GPS coordinates in Latitude and Longitude,
 - v. the concentration of the substance, or substances, in the deposited solid or liquid that has the effect of making the deposit waste,
 - vi. the methodology used to calculate or determine the information referred to in items (i) to (v), and
 - vii. the measures that were taken to avoid or mitigate any adverse impacts of the deposit of waste.



SCHEDULE 1 (Cont.)

- 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.