



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

ᓄᓇᓂᓪ ᐃᓕᓕᓂᓪ ᓐᑎᓕᓂᓪ
NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New ☐ Renewal ☒ Amendment ☐ Assignment ☐ Cancellation

LICENCE NO:

(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Natalie Plato
Director, Contaminated Sites
Indian and Northern Affairs Canada
P.O. Box 2200
Iqaluit, NU X0A 0H0

Phone: 867-975-4730
Fax: 876-975-4736
e-mail: natalie.plato@inac-ainc.gc.ca

2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

Same

Phone: n/a
Fax: n/a
e-mail: n/a

3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)

Resolution Island, Nunavut. Site of former Pole Vault Line Military installation. Located approximately 320 km southeast of the city of Iqaluit. See site Map 1 in Appendix B.

Latitude: (61°35'48" N) Longitude: (64°38'20" W)
NTS Map Sheet No. 025H10 Scale: 1/50,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

Year 5 of 25 of the post-remediation Long-Term Monitoring (LTM) of the former Pole Vault Line military installation on Resolution Island, Nunavut. Long-Term Monitoring activities include soil and water sampling, visual and thermal inspection of Tier II landfill, visual inspection of Non-Hazardous landfills, and maintenance of the three Interceptor Barrier systems installed at the site. To accommodate the monitoring team during site visits, near the end of the remediation Qikiqtaaluk Corporation set up a small camp with the ability to sleep ten (10) persons. See Appendix B for details of this camp.

This camp was used during LTM in 2007 and 2008 under the authority of the previous NWB water licence (1BR-RES0308), which had provision for a camp. The scope of the 2009 renewal of this license did not include a camp. This amendment request is to permit the use of water for both monitoring well sampling and for domestic use by personnel staying in the camp.

The LTM activities will be conducted according to the Resolution Island Monitoring Program, Dec. 31, 2003. This plan has been previously approved by the NWB. Drawings of the Monitoring Camp have been submitted to the NWB as part of the 2009 Annual Report for 1BR-RES0916 in Appendix 3 - Resolution Island Final As-Built drawings, drawing number AB-2006-102-03.

5. **TYPE OF PRIMARY UNDERTAKING** (A supplementary questionnaire **must** be submitted with the application for undertakings listed in "**bold**")

- | | |
|--|---|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input type="checkbox"/> Mining and Milling (includes exploration/drilling) | <input checked="" type="checkbox"/> Conservation |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input type="checkbox"/> Miscellaneous (describe below): |

Activities undertaken as part of the Long Term Monitoring Plan for the Resolution Island remediation project are best described by the Northwest Territories Waters Regulations SOR/93-303 SCHEDULE II Item 6: a Conservation Undertaking; Construction of works for the preservation, protection or improvement of the existing natural environment.

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

6. **WATER USE**

- | | |
|---|---|
| <input checked="" type="checkbox"/> To obtain water | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To cross a watercourse | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> To alter the flow of , or store, water |
- ☒ Other (describe): Sampling of water from monitoring wells. Monitoring wells will be purged and then a 3 Litre sample will be taken from each well (maximum of 25 Litres)

7. **QUANTITY OF WATER INVOLVED** (cubic metres per day including both quantity to be used and quality to be returned to source)

- Water use** ☒ 100m³/day or less
☐ Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

Water use will be less than 1 m³/day. The monitoring camp will accommodate a maximum of ten (10) people for a maximum of four (4) weeks in July and August.

Water returned to source
0 m³/day

8. **WASTE** (for each type of waste describe: composition, quantity (cubic metres per day), methods of treatment and disposal, etc.)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Sewage | <input type="checkbox"/> Waste oil |
| <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Other describe: |

A small amount (< 1m³/day) of domestic solid waste may be produced; such waste will be backhauled to Iqaluit for landfill disposal. A small amount (< 1m³/day) of greywater and toilet waste will be produced as a result of domestic cooking and hygiene activities. This water will be directed to the monitoring camp sewage lagoon (See Photograph 4).

9. OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)

Land Use Permit

DIAND ☐ Yes ☒ No If no, date expected n/a

Regional Inuit Association ☐ Yes ☒ No If no, date expected n/a

Commissioner ☐ Yes ☒ No If no, date expected n/a

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

NIRB Screening ☒ Yes ☐ No If no, date expected _____

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

No

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

11. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

Analytical Services Unit

Queen's University, Kingston Ontario

K7L 3N6

Under the direction of Dr. Allison Rutter

Function: To conduct ongoing contaminated sites research and provide scientific advisement for INAC Project Managers

Environmental Consultant

TBD*

Function: to conduct sampling and inspection of site infrastructure according to the Resolution Island Monitoring Program.

*Contractor name and address will be provided to NWB upon contract award.

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

Resolution Island 2007 Monitoring and Research, Analytical Services Unit, Queen's University for INAC, December 2007*

Resolution Island 2008 Monitoring and Research, Analytical Services Unit, Queen's University for INAC, December 2008*

Resolution Island 2009 Monitoring and Research, Analytical Services Unit, Queen's University for INAC, March 2010*

*These reports have been submitted to the NWB as part of the annual reports for those years.

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun/English Summary of Project ☒ Yes ☐ No If no, date expected _____

Application fee of \$30.00 (Payee Receiver General for Canada) ☐ Yes ☒ No If no, date expected N/A

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)

☐ Yes ☒ No If no, date expected N/A

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

☐ one year or less (or) ☒ Multi Year

Start Date: April 1, 2010 Completion Date: March 30, 2030

Natalie Plato

**Director, Contaminated
Sites**

**Original signed by
Natalie Plato**

April 9, 2010

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board office use only

APPLICATION FEE Amount: \$ _____ Pay ID No.: _____

WATER USE DEPOSIT Amount: \$ _____ Pay ID No.: _____