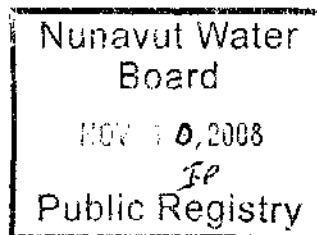




November 10, 2008

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU
X0B 1J0



Your file - Votre référence

Our file - Notre référence

**RE: WATER LICENCE APPLICATION – BEAR ISLAND MID-CANADA LINE
RADAR STATION REMEDIATION PROJECT**

Dear Ms. Beaulieu:

Please find enclosed a Water Licence Application from Indian and Northern Affairs Canada (INAC) for the Bear Island Mid-Canada Line Radar Station Remediation Project.

Bear Island is located within Nunavut but is not part of the Nunavut Settlement Area. However, pursuant to Sections 11 and 12 of the Nunavut Waters and Nunavut Surface Rights Act (NWNSRA), because it is within the waters of Nunavut it is INAC's opinion that it would be subject to Nunavut Water Board license requirements.

The Bear Island Mid-Canada Line Radar Station is located on Bear Island, Nunavut. It is approximately 160 km northwest of Chisasibi, Quebec and 300 km south of Sanikiluaq, Nunavut. Due to the fact that a Regional Land Use Plan has not been developed, a Nunavut Planning Commission conformity check is not required. In addition to a Water Licence, INAC is applying for a Land Use Permit. This application package includes:

APPENDIX	TITLE
1	Exploration/Remote Camp Supplementary Questionnaire
2	Letter to NIRB Regarding Bear Island Jurisdiction
3	Executive Summary (English)
4	Executive Summary (Inuktitut)
5	Remedial Action Plan
6	Site Maps & Drawings
7	Environmental Screening
8	Preliminary Spill Contingency Plan
9	Project Schedule
10	Archaeological Impact Assessment
11	List of Additional Documents
12	Supplemental Information

Please note that the Bear Island Mid-Canada Line Radar Station Remediation Project will be following the recommendations made in the Remedial Action Plan (Appendix 5).

If you have any questions or require additional information please contact the Project Manager, Mark Yetman, at (867) 975-4733 or via e-mail at yetmanm@inac-ainc.gc.ca.

Sincerely,

A handwritten signature in black ink, appearing to read 'Natalie Plato', with a stylized flourish at the end.

Natalie Plato
Director, Contaminated Sites

cc: Mark Yetman, Contaminated Sites Project Manager, INAC

Encl: Water Licence Application Package – Bear Island Mid-Canada Line Radar Station Remediation Project

NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

Application for: (check one)

☒ **New** ☐ **Renewal** ☐ **Amendment** ☐ **Assignment** ☐ **Cancellation**Page 1 of 5

incinerated on site or shipped off site for disposal. Empty barrels will be crushed and disposed in on-site landfills;

- Scattered surface debris and partially buried debris (non hazardous) is to be collected and disposed of in the on-site non hazardous waste landfill;
- Roads and airstrip will be re-constructed and repaired as required; and
- Several borrow sources will be developed and the material used to assist in the remediation work.

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 type="checkbox"/> Conservation |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input checked="" type="checkbox"/> Miscellaneous (describe below): |

Description: Site Remediation (completed Remote Camp Supplementary Questionnaire attached)

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

6. WATER USE

- ☒ To obtain water
☐ To cross a watercourse
☐ To modify the bed or bank of a watercourse
☐ Other (describe):
- ☐ Flood control
☐ To divert a watercourse
☐ To alter the flow of, or store, water

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

115 litres /day/person x 50 individuals x 90 days/year = 517,500 litres = 517.5 cubic metres per year of non-potable water from the water reservoir located on the Island.

This calculation is conservatively based on the highest number of people and days expected on site each year. Potable water for drinking and cooking will initially be transported to site. At a later date in the project schedule, site water may be made potable by treatment in accordance with the Health Canada Guidelines for Canadian Drinking Water Quality. INAC anticipates a maximum usage of 20 m³/day.

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.)

- ☒ Sewage
☒ Solid Waste
☒ Hazardous
☒ Bulky Items/Scrap Metal
- ☒ Waste oil
☒ Greywater
☐ Sludges
☐ Other describe):

See Remote Camp Supplementary Questionnaire (Appendix 1).

Sewage - Two independently operated temporary lagoons located 100 m from camp.

Solid Waste - Non-hazardous combustible solid waste will be incinerated and non-combustible waste will be placed in the on-site non hazardous waste landfill

Hazardous Waste - Removed from the site and disposed of off-site at an appropriate disposal facility.

Bulky Items/Scrap Metal - On-site non-hazardous waste landfill

Waste Oil - Removed from the site and disposed of off-site, or incinerated onsite.

Greywater - Two independently operated temporary lagoons located 100 m from camp.

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 _____

Regional Inuit Association ☐ Yes ☒ No If no, date expected _____

Commissioner ☐ Yes ☒ No If no, date expected _____

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

Limited environmental impacts are expected as a result of the activities planned under this application. Every effort will be made to ensure no impact to nesting migratory birds. See attached Environmental Screening for the Bear Island Mid-Canada Line Remediation Project (Appendix 7).

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? _____

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

No contract has been tendered to date. This information will be forwarded after contract award and prior to mobilization (see Appendix 12)

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

Please see the List of Additional Documents provided in Appendix 11.

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: May 1, 2009 Completion Date: May 1, 2014

Natalie Plato

Name (Print)

Director, Contaminated Sites

Title (Print)

Natalie Plato

Signature

NOV 10, 2008

Date

For Nunavut Water Board office use only

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

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