



Nunavut Water Board

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NUNAVUT IMALIRIYIN KATIMAYINGI

P.O. Box 119

Gjoa Haven NU X0E 1J0

Tel (867) 360-6338 - Fax (867) 360-6369

Planner toll-free help line 1-866-NUNAWIN (1-866-686-2946)

Planner toll-free fax line 1-866-NUNAFAX (1-866-686-2329)

E-mail planner@nunavut.ca

WATER LICENCE APPLICATION FORM

Application For (check one) ☐ New ☐ Amendment ☐ Renewal ☐ Assignment

Licence Number (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 867-979-7945 Fax 867-979-6445

E-mail platon@inac.gc.ca

2. Address of corporate office in Canada (if applicable)

Phone _____ Fax _____

E-mail _____

3. Location of undertaking (describe and attach a topographic map indicating the main components of the undertaking)

The FOX-A radar facilities consisted of a module train, warehouse, garage, Inuit house, POL tanks, Quonset huts, storage pads, a radar tower and airstrips. The main station buildings are located on the western side of Bray Island at an elevation of no more than 30 m above sea level. Raised and fairly well drained beach ridges are present around the island, especially close to the shoreline. The inland portion of the island is poorly drained and contains marshy areas, large shallow lakes and ponds. The site is located approximately 170 km northeast of Hall Beach and 175 km east of Igloolik.

Latitude 69°13' °North Longitude 77°14' °West NTS Map Number 37C07 Scale 1:50,000

4. Description of undertaking (attach plans and drawings)

The four main activities planned for 2006 include:

- detailed site investigation;
 - geotechnical investigation;
 - archaeological survey; and
 - preparation of a detailed remediation plan
- (see Appendix C - Detailed Work Plan)

5. Type of primary undertaking (A supplementary questionnaire must be submitted with the application for undertakings marked with an asterisk. See Schedule II of the Northwest Territories Waters Regulations for description of undertakings)

☐ Industrial *

☐ Agricultural

☐ Mining and Milling *

☐ Conservation *

☐ Municipal (includes camps / lodges) *

☐ Recreational

☐ Power

☒ Miscellaneous (includes exploration / drilling) *

(describe): Environmental Site Assessment

6. Water use

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

7. Quantity of water involved

(cubic metres per day including both quantity to be used and quantity to be returned to source)

The estimated quantity required will be 150L/day/person. All water will be taken from the Freshwater Lake (see Appendix A - Site Maps).

8. Waste

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

☒ Sewage _____ Waste oil
☒ Solid waste ☒ Greywater
☒ Hazardous _____ Sludges
_____ Bulky items / scrap metal _____ Other (describe): _____

9. Persons or properties affected by this undertaking

(give name, mailing address and location; attach if necessary)

A NIRB Screening (see Appendix 2), Land Use Permit (see Appendix 3) and NRI Research License (see Appendix 4) is being sought in conjunction with this Water Licence Application.

Land Use Permit

DIAND Yes ☒ No _____ If no, date expected _____
Regional Inuit Association Yes _____ No ☒ If no, date expected not required
Commissioner Yes _____ No ☒ If no, date expected not required

10. Predicted environmental impacts of undertakings and proposed mitigation measures

(direct, indirect, cumulative impacts, etc.)

The Phase III Environmental Site Assessment program proposed for this year will have an overall positive environmental & socio-economic impact. No Environmental Impacts are expected as a result of the activities planned under this application. All the proposed activities will occur after nesting season, nonetheless, every effort will be made to ensure no impact to nesting migratory birds.

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 through Inuit Owned Lands and the rights of Inuit under Article 20 of the *Nunavut Land Claims Agreement*?

Yes ____ No X

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?

Yes ____ No ____

If no compensation agreement has been made, how will compensation be determined?

12. Contractors and sub-contractors (name, address and functions)

Public Works and Government Services Canada (PWGSC) will be contracting professional personnel (scientists and engineers) to complete the site investigation. In addition, PWGSC will be tendering a contract for the supply of camp, equipment and support services for the summer of 2006. This contract has not been initiated to date.

13. Studies undertaken to date (list and attach copies of studies, reports, research, etc.)

ESG, 1993 - Environmental Study of Abandoned DEW Line Sites: Six Intermediate Sites in the Eastern Arctic
SENEC, 2003 - Ecological Risk Evaluation for FOX-A
SENEC, 2003 - Human Health Screening Level Risk Assessment for FOX-A

These reports have not been attached due to limited information provided for this years activity. These reports will form a part of the NWB Application submitted in 2007 for the Remediation phase activities.

14. The following documents must be included with the application for the regulatory process to begin

Supplementary Questionnaire Yes X No ____ If no, date expected _____
(where applicable; see Section 5)

Inuktitut/English project summary Yes X No ____ If no, date expected _____

Application fee \$30.00 Yes ____ No X If no, date expected not applicable
(payee Receiver General for Canada)

Water use fee Yes ____ No X If no, date expected not applicable
(see section 9 of the *NWT Waters Regulations*; payee Receiver General for Canada)

15. Proposed time schedule

Annual X (or) Multi-year ____ Start date August, 2006 Completion date August, 2007

Natalie Plato

Director, Contaminated Sites

Name (print)

Title (print)

Signature

Date

Nunavut Water Board Use Only

Application fee Amount \$ _____ Pay ID No: _____

Water use deposit Amount \$ _____ Pay ID No: _____