

## **Nunavut Water Board**

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Application For (check one) \_X\_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 Igaluit, NU X0A 0H0

Phone \_867-979-7934\_ Fax \_867-979-6445\_

E-mail \_platon@inac.gc.ca \_\_\_\_\_\_\_\_

2.	Address	of	corporate	e of	ffice	in	Cana	da
	(if applic	ak	ole)					

Phone	 Fax	
E-mail		

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

Remediation of the Radio Island site, located approximately 340 km southeast of Iqaluit, off the coast of Resolution Island (see Appendix A - Site Maps). The former Navigational Aid and Weather Station at Radio Island was operated by the Canadian Department of Transport from 1929 to 1961. Radio island, which is composed of Canadian Shield bedrock, is approximately 1 km long and 0.5 km wide. The terrain consists of tilted bedrock with parallel rock ridges, knolls and gullies. The only soils identified at the site are located in the gullies and valleys formed by the bedrock. Surface drainage at the site flows along the gullies to the ocean.

Latitude \_61°18'\_°North Longitude\_64°52'\_°West NTS Map Number \_25H07\_ Scale \_1:50,000\_

4. Description of undertaking (attach plans and drawings)

The main activities proposed under this application include:

- -access to site via sealift and helicopter;
- -construction of a temporary camp, for a maximum of 25 people, for two field seasons;
- -demolition of all existing facilities, except the Main House; and
- -excavation and off-site disposal of all hazardous, non-hazardous and contaminated soil.

(see Appendix B - Remedial Action Plan)

J J	entary questionnaire <u>must</u> be submitted with the sterisk. See Schedule II of the Northwest Territories ings)
Industrial *	Agricultural
Mining and Milling *	Conservation *
Municipal (includes camps / lodges) *	Recreational
Power	X Miscellaneous (includes exploration / drilling)*
	(describe): _Site Remediation

6. Water use	
X 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 the estimated quantity required will be 150L/day/person for nonethrough commercially available bottled water. The majority of not pond adjacent to the Main House. This may be augmented by we Lower Lake located on Resolution Island (note: water usage for NWB5RES0308). Sewage will be back hauled from the site and unit and discharged to land in accordance with the Guidelines for	-potable use only. All potable water will be supplied on-potable water will be taken from the man-made vater pumped, and transported by helicopter, from this lake will not exceed Resolution Island licence I greywater will be treated via a portable treatement
8. Waste  (for each type of waste describe: composition, quantit methods of treatment and disposal, etc.)  See attached Exploration/Remote Camp Supplementary Ques X SewageX Waste	tionnaire
X_ Solid wasteX_ Greyv	vater
X Hazardous Sludg	es
X Bulky items / scrap metal Other	(describe):
9. Persons or properties affected by this undertaking (give name, mailing address and location; attach if new A Land Use Permit (see Appendix 3) and NIRB Screening (see this Water Licence Application.	cessary)
Land Use Permit	
DIAND Yes _X_ No	If no, date expected
Regional Inuit Association Yes No _X_	If no, date expectednot required
Commissioner Yes No _X_	If no, date expectednot required
10. Predicted environmental impacts of undertakin (direct, indirect, cumulative impacts, etc.)  The remediation activities at the Radio Island Site will interact emissions, surface disturbance and the provision of employme for spills of fuel or hazardous materials. The activities will be or practices for northern Canada, with spill prevention practices a effects of the activities are assessed as being of low magnitud area through the short-term employment of local individuals are (see Appendix C - Environmental Screening and Appendix 2 - NIRB Screening Yes _X_ No If no,	with the environment through vehicle and machinery ent to local communities. There is also the potential carried out following standard good operating and contingency plans in place. The environmental e and not significant. The activities will benefit the and through the clean up of the site.
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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 <i>Nunavut Land Claims Agreement</i> ?
Yes No <b>X</b>
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)
A Contract has not been posted as of the date of this application. This information will be submitted as part of the Supplementary Information (See Appendix L) provided following award of the Contract and prior to mobilization to the site.
13. Studies undertaken to date (list and attach copies of studies, reports, research, etc.)
Jacques Whitford, 2005 - Environmental Screening of Proposed Remediation at Radio Island (see Appendix C) Jacques Whitford, 2006 - Human Health & Ecological Risk Assessment for Radio Island (see Appendix D) Earth Tech, 2001 - Environmental Site Delineation and Material Inventory (see Appendix E) ESG, 1996 - An Environmental Assessment of Radio Island, NWT (see Appendix F) SENES, 2003 - Ecological Risk Evaluation for Radio Island (see Appendix J) SENES, 2003 - Human Health Screening Level Risk Assessment for Radio Island (see Appendix K)
14. The following documents <u>must</u> 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 expectedn/a (payee Receiver General for Canada)
Water use fee Yes No _X_ If no, date expectedn/a (see section 9 of the <i>NWT Waters Regulations</i> ; payee Receiver General for Canada)
15. Proposed time schedule
Annual (or) Multi-year _X_ Start dateJune, 2006 Completion dateDecember, 2007
_Natalie PlatoDirector, Contaminated Sites
Nunavut Water Board Use Only
Application fee Amount \$ Pay ID No:
Water use deposit Amount \$ Pay ID No: