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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)

<p>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</p> <p>Natalie Plato Director, Contaminated Sites Indian and Northern Affairs Canada P.O. Box 2200 Iqaluit, NU X0A 0H0</p> <p>Phone: <u>867-975-4730</u> Fax: <u>876-975-4736</u> e-mail: <u>platon@inac.gc.ca</u></p>	<p>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</p> <p><u>Same</u></p> <p>Phone: <u>n/a</u> Fax: <u>n/a</u> e-mail: <u>n/a</u></p>
<p>3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)</p> <p>CAM-D Intermediate DEW Line site near Simpson Lake, Nunavut. See attached Maps (Appendix C)</p> <p>Latitude: (68°35' " N) Longitude: (91°57' " W) NTS Map Sheet No. <u>057A12</u> Scale: <u>1/50,000</u></p>	
<p>4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)</p> <p>See attached Remedial Action Plan (Appendix B) and CAM-D Site Maps (Appendix C).</p> <p>Principle activities of this project include:</p> <ul style="list-style-type: none"> • <input checked="" type="checkbox"/> via winter site train route from Sheppard or Pelly Bay (west or east coast of Boothia Peninsula). No construction required. Contractor to confirm route; • Existing site infrastructure will be demolished and demolition wastes will be segregated into hazardous and non-hazardous materials and disposed of appropriately; • All hazardous materials and soil will be disposed of at an off-site licensed disposal facility; • A non hazardous waste landfill will be constructed to contain the non hazardous contaminated soil, miscellaneous non hazardous site debris and demolition waste generated during the clean up; • Existing landfills/dumps on this site will be remediated, as required; • Metal/PCB/hydrocarbon contaminated soil areas, identified during the previous field investigations, will be disposed of at an off-site licensed disposal facility; • Hydrocarbon impacted soil areas will undergo in-situ remediation or used as intermediate fill for the non-hazardous waste landfill • Barrel consolidation will be carried out, depending on test results, the contents will either be 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;
- A number of borrow sources will be developed and 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**”)

☐ **Industrial**

☐ **Mining and Milling**(includes exploration/drilling)

☐ **Municipal** (includes camps/lodges)

☐ **Power**

☐ **Agricultural**

☐ **Conservation**

☐ **Recreational**

☒ **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

- | | |
|---|---|
| <input checked="" type="checkbox"/> To obtain water | <input type="checkbox"/> Flood control |
| <input checked="" 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 |
| <input type="checkbox"/> Other (describe): | |

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.)

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 Freshwater Lake located south east of the main station area and/or Simpson Lake. The 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.)

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

See attached Remote Camp Supplementary Questionnaire.

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 (application for acces has been made with the Kitikmeot Inuit Association relating to the winter cat train route to CAM-D)

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 CAM-D, Simpson Lake (Appendix E).

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 K)

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

ESG, 1995 - Environmental Study of Abandoned of DEW Line Sites: One Auxiliary and Eight Intermediate Sites in the Canadian Arctic.

Kitikemot Corporation, 2001 - CAM-D (Simpson Lake) DEW Line Site Remediation Engineering Design and Cost Estimate

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, 2008 Completion Date: September 15, 2011

Natalie Plato	Director, Contaminated Sites		
_____	_____	_____	_____
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.: _____