



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

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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)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE Nelson McCoy, Deputy PM Defence R&D Canada – Atlantic 9 Grove Street P.O. Box 1012 Dartmouth, NS B2Y 3Z7 Phone: 902-426-3100 ext 236 Fax: 902-426-9654 e-mail: nelson.mccoy@drdc.rddc.gc.ca	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) <u>Same as Above</u> Phone: _____ Fax: _____ e-mail: _____
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) Latitude: (74°39'40" N) Longitude: (91°16'22" W) NTS Map Sheet No. <u>58E/12</u> Scale: <u>1:50,000</u>	
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) <p>With the prospect of an open sea route through Canada's Arctic, the Federal Government has stated that Arctic sovereignty is a priority. The Northern Watch Technology Demonstration (NWTd) project was initiated to identify and characterize combinations of sensors and systems for cost effective surveillance of the unique maritime environment of the Canadian Arctic. Such surveillance is required for an effective understanding of activities and events in the North that could affect Canada's security, safety, economy, and/or environment.</p> <p>To achieve the objective, three annual trials and experiments will be carried out in Barrow Strait, Nunavut during late August and early September.</p> <p>The NWTd camp will house approximately 20 personnel for approximately three weeks during each of the field trial periods. Most of the personnel will be federal government employees (i.e., DRDC staff).</p> <p>The camp facilities include sleeping quarters, a kitchen, a workshop, propane powered toilets, one</p>	

shower, a generator, and a fuel storage area.

A melt-water stream located near the camp will serve as the potable water source for the camp. An insulated pipeline will carry water down-gradient from the stream to a holding tank, which will serve as the water supply for the camp. The water will then be pumped to the camp's kitchen structure for use. A hot water heater will be on site for shower and dish-washing facilities.

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): |

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

6. WATER USE

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

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

Please see the attached Supplementary Questionnaire.

Solid waste will be removed from the site for disposal

Greywater will be screened and allowed to drain into the loose rock/gravel terrian found at the site.

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

None

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.)

There are no anticipated environmental impacts associated with the NWTD Project.

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)

None

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

An Environmental Assessment (Screening), under CEAA, is currently being undertaken by Defence Construction Canada (DCC), to be completed in May, 2008.

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 _____

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 _____

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: Mid August, 2008 Completion Date: Mid September, 2010

David Haddon

Name (Print)

Environmental
Coordinator

Title (Print)


Signature

April 25, 2008

Date

For Nunavut Water Board office use only

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

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