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NUNAVUT WATER BOARD  
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## WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New      ☒ Amendment      ☐ Renewal      ☐ Assignment

### LICENCE NO:

(for NWB use only)

#### 1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE

Phil Warren, P. Eng., Environmental Officer  
Defence Construction Canada Ltd.  
Constitution Square, Suite 1720  
350 Albert Street  
Ottawa, Ontario K1A 0K3

Phone: 613-998-7288  
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e-mail: Philip.Warren@dcc-cdc.gc.ca

as administered by:  
Eva Schulz, P.Ag., Environmental Scientist  
UMA Engineering Ltd.  
2540 Kensington Road NW  
Calgary, Alberta T2N 3S3

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#### 2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)

Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
e-mail: \_\_\_\_\_

#### 3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)

FOX-2 is located along a tip of land extending 16 km into Nanja Bay below the Baird Peninsula on Baffin Island with the station area located farther inland on a topographic high point at an approximate elevation of 150 masl and the airstrip is located approximately 10km to the northwest along the coast, about 5 masl.

Latitude: 68° 54'N Longitude: 75°10'W NTS Map No. 37A Scale: 1:50,000

#### 4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

A multi-party team will conduct a site investigation on behalf of the Department of National Defence and Defence Construction Canada to collect data required to finalize design and logistic plans for the full clean-up of the FOX-2 site. A summary of the site investigation activities is attached to the application.

**5. TYPE OF UNDERTAKING** (A supplementary questionnaire must be submitted with the application for undertakings listed in “**bold**”)

<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> <b>Remote/Tourism Camps</b>
<input type="checkbox"/> <b>Mine Development</b>	<input type="checkbox"/> <b>Municipal</b>
<input type="checkbox"/> <b>Advanced Exploration</b>	<input type="checkbox"/> Power
<input type="checkbox"/> <b>Exploratory Drilling</b>	<input type="checkbox"/> Other (describe): please see attached.

A temporary camp will be established at the FOX-2 site to facilitate the site investigation activities. The supplementary camp questionnaire follows this application form.

**6. WATER USE**

<input checked="" type="checkbox"/> To obtain water	<input type="checkbox"/> To divert a watercourse
<input type="checkbox"/> To modify the bed or bank of a watercourse	<input type="checkbox"/> Flood control
<input type="checkbox"/> To alter the flow of, or store, water	<input type="checkbox"/> Other (describe): _____
<input type="checkbox"/> To cross a watercourse	

**7. QUANTITY OF WATER INVOLVED** (litres per second, litres per day or cubic metres per year, including both quantity to be used and quantity to be returned to source)

It is estimated that domestic water use for the site investigation camp will be up to 3000 litres/day. Water for the camp will be obtained from the water supply lake identified on Sketch 101, attached. No water will be returned directly to the source.

**8. WASTE** (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

<input checked="" type="checkbox"/> Sewage	<input type="checkbox"/> Waste Oil
<input checked="" type="checkbox"/> Solid Waste	<input checked="" type="checkbox"/> Greywater
<input type="checkbox"/> Hazardous	<input type="checkbox"/> Sludges
<input checked="" type="checkbox"/> Bulky Items/Scrap Metal	<input type="checkbox"/> Other (describe): _____

Sewage from camp operations will either be disposed of in pit toilets or incinerator toilets. All greywater from camp operations will be discharged to a sump at least 30 metres away from natural drainage courses. Domestic garbage will be incinerated in an enclosed container (such as an empty 205 litre barrel). The residual waste will be buried on-site. Laboratory waste and non-combustibles will be packaged and stored in an on-site building such as the hangar for disposal during the clean up. Following completion of the work program, camp facilities and equipment will be removed from site during demobilization. Any items that are too bulky for transport, and any excess fuels, will be stored in the hangar for disposal and/or use during the site clean up.

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

**Land Use Permit**

DIAND	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If no, date expected	_____
Regional Inuit Association	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If no, date expected	N/A
Commissioner	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If no, date expected	N/A

INAC Land Use Permit #N2003X0013, expires June 3, 2006.

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

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?

N/A

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

As the contract has not yet been awarded, the names and addresses of the contractors are not available.

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

- A Due Diligence clean up was completed in 2003 to address hydrocarbon contaminated soils that were in close proximity to the marine environment.
- A report entitled, *Project Description for Nunavut Impact Review Board, Clean Up of Fifteen DEW Line Sites in the Nunavut Settlement Area*, was submitted to the NIRB in 1998.
- A document entitled *Environmental Clean-Up Study of 21 DEW Line Sites in Canada, Final Report June 1991 Volume 9 PIN-2 Cape Young NWT*, was completed by UMA in 1991.

**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/English Summary of Project ☒ Yes ☐ No If no, date expected: \_\_\_\_\_

Application fee \$30.00 (c/o of Receiver General for Canada) ☐ Yes ☒ No If no, date expected: N/A

Because application is being submitted on behalf of a Federal proponent, the application fees have been waived.

**15. PROPOSED TIME SCHEDULE**

✓ Annual (or)        Multi Year

Start Date: July 2005 Completion Date: September 2005

Eva Schulz  
Name (Print)

Environmental Scientist  
Title (Print)

  
Signature

January 20, 2005  
Date

For Nunavut Water Board use only

APPLICATION FEE Amount: \$            Receipt No.:           

WATER USE DEPOSIT Amount: \$            Receipt No.: