

## Transmittal

To: Nunavut Water Board  
P.O. Box 119  
GJOA HAVEN, NU X0B 1J0

Project/File No: 0171-120-19-01

Date: 2002 December 10

Att'n: Jim Wall

Routing: courier

cc:

From: Eva Schulz

☐ Urgent ☐ For Your Use ☐ For Review ☐ For Your Information ☐ Confidential

RE: WATER USE LICENCE APPLICATION

We are sending you the following:

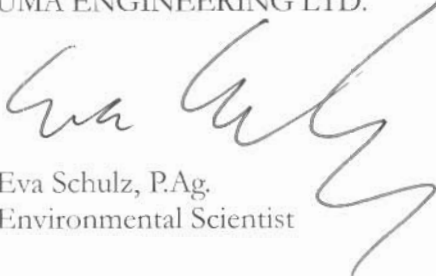
NO. OF COPIES	DESCRIPTION	DRAWING NO.
3	Water Use Licence Application for the Site Investigation at PIN-4, Byron Bay (2 bound + 1 unbound)	

### Comments/Instructions:

Please acknowledge receipt of these documents via e-mail to [eschulz@umagroup.com](mailto:eschulz@umagroup.com).

Yours truly,

UMA ENGINEERING LTD.

  
Eva Schulz, P.Ag.  
Environmental Scientist

### Important Note:

If quantities or numbers do not match, please call the sender immediately at (403) 270-9200.

NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI

**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**

Scott Hamilton, Environmental Officer  
Defence Construction Canada, Place de Ville, Tower B  
112 Kent Street, Ottawa, Ontario, K1A 0K3  
(613) 998-4583, fax 998-1061

**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)

Former PIN-4, Byron Bay Distant Early Warning (DEW) Line Site. Annex A contains drawings showing the location of the proposed works. Figure 1 is key plan showing the location of the PIN-4 site. Figure 2 is an overall site plan of PIN-4 and Figure 3 is a NTS topographic map segment.

Latitude: 68° 45' 30" N   Longitude: 109° 04' 12" W   NTS Map No. 77B   Scale 1:250K

**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 clean-up of the PIN-4 DEW Line Site. A summary of the site investigation activities is included in Annex B.

**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"/> Remote/Tourism Camps
<input type="checkbox"/> Mine Development	<input type="checkbox"/> Municipal
<input type="checkbox"/> Advanced Exploration	<input type="checkbox"/> Power
<input type="checkbox"/> Exploratory Drilling	<input type="checkbox"/> Other (describe) _____

A temporary camp will be established at the PIN-4 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 quality to be returned to source)

It is estimated that domestic water use for the site investigation camp will be up to 2,500 litres/day. Water for the camp will be obtained from the water supply lake identified on Figure 2, Annex A. Water from the lake will likely be pumped into a water tank on a trailer using a portable pump and then transferred to a water tank at the Camp. Water intake hoses will be equipped with silt screens to prevent the intake of sediment or biota.

Wastewater will be discharged to the grounds surface a minimum of 30 m from natural drainage courses. 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.)

☒ Sewage – Sewage generated by camp activities will be discharged into pit latrines or incinerator toilets. Latrine waste or residuals from the incinerator toilets will be buried on site a minimum distance of 100 m from the camp, temporary facilities or water bodies and drainage courses.

☐ Waste oil – none anticipated

☒ Solid Waste & Bulky Items/Scrap Metal – non-hazardous combustibles will be incinerated on site. Ash and residual waste will be buried with the sewage. Laboratory waste and non-combustibles will be packaged and stored in a suitable DEW Line facility for disposal during the DEW Line clean up. Excess fuels, camp facilities and equipment will be removed from site during demobilization.

☒ Greywater – All non-sewage waste water and greywater will be discharged to a greywater pit located a minimum of 30 m from natural water bodies or drainage courses. The greywater pit will be backfilled prior to departure from the site.

☐ Hazardous

☐ Sludges

☐ Other (describe) \_\_\_\_\_

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

The site investigation should not affect any persons or properties.

**Land Use Permit**

DIAND ☒ Yes ☐ No If no, date expected \_\_\_\_\_

Application submitted 12/02 – confirmation not received

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.)

Please refer to the following: Annex B – Site investigation activities; Annex C – Environmental Impact Summary Table; Annex D – Contingency Plans

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?

Site investigation activities are not expected to have any effect on waters flowing through Inuit owned lands.

**11. (Continued)**

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)

The camp outfitter and transportation contracts for the site investigation have not been offered for tender at this point.

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

Annex E contains a report entitled, *Project Description for Nunavut Impact Review Board, Clean Up of Fifteen DEW Line Sites in the Nunavut Settlement Area*. Annex F contains relevant segments of a document entitled *Environmental Clean-Up*

**14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN**

Supplementary Questionnaire (where applicable: see section 5) X Yes \_\_\_ No  
If no, date expected \_\_\_\_\_

Inuktitut/English Summary of Project X Yes \_\_\_ No  
If no, date expected \_\_\_\_\_

Application fee \$30.00 (c/o of Receiver General for Canada) \_\_\_ Yes X No  
- Federal Project Proponent: application fee not applicable.  
If no, date expected \_\_\_\_\_

**15. PROPOSED TIME SCHEDULE**

X Annual (or) \_\_\_ Multi Year

Site investigation activities are anticipated to require a single season, however, unforeseen circumstances such as weather delays or equipment malfunction, may necessitate a site revisit the following summer.

Start Date: June 2003 Completion Date: October 2005

Graham Emmerson, EIT

Project Inspector

Name (Print)

Title (Print)

Signature

Date



12/9/12

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ \_\_\_\_\_

Receipt No.:

WATER USE DEPOSIT

Amount: \$ \_\_\_\_\_

Receipt No.: