

UMA Engineering Ltd.
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November 28, 2005

File Name: FOX-M 3.6

Ms. Phyllis Beaulieu
Manager, Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Dear Ms. Beaulieu:

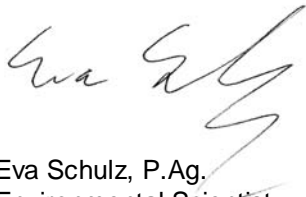
Re: Amendment to Water Use License NWB5HAL0308

UMA Engineering Ltd. is submitting the attached amendment application regarding the quantity of water approved for extraction in the existing water use license issued for the clean up of the former FOX-M, Hall Beach DEW Line site. The amendment is being submitted on behalf of Defence Construction Canada and the Department of National Defence.

We trust the information provided is sufficient for you to process the application. Please feel free to call or e-mail me if you have any questions or comments.

Sincerely,

UMA Engineering Ltd.



Eva Schulz, P.Ag.
Environmental Scientist
eva.schulz@uma.aecom.com

EMS:mm

Encl. Amendment Application

cc: Phil Warren, DCC



P.O. Box 119
GJOA HAVEN, NU X0E 1J0
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KATIMAYINGI

kNK5 wmoEp5 vtmpq
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN

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., PMP - Environmental Officer
Defence Construction Canada Ltd.
Constitution Square, Suite 1720
350 Albert Street
Ottawa, Ontario K1A 0K3

Phone: 613-998-7288

Fax: 613-998-0468

e-mail: Philip.Warren@dcc-cdc.gc.ca

as administered by:

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

Phone: 403-270-9200

Fax: 403-270-0399

e-mail: eva.schulz@uma.aecom.com

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)

The FOX-M, Hall Beach Point DEW Line site is located on the eastern side of the Melville Peninsula in the Foxe Basin area of the Nunavut Territory. The FOX-M site is located on a Department of National Defence owned lands.

Latitude: 68°45'N Longitude: 81°11'W NTS Map No. 47A Scale 1:250,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

An amendment is being requested regarding the quantity of water required for the clean up of the FOX-M DEW Line site. The following activities are currently in progress at the site:

- Demolish and remove existing facilities that are not required for the operation of the North Warning System;
- Remove contaminated soils from the Arctic food chain;
- Remediate existing landfills;

- Clean up surface debris; and,
- Physically restore the site to as natural a state as practical.

The project is currently licensed to extract 30 cubic metres daily under water use license NWB5HAL0308. Based on information provided and the conditions at the site during 2004 and 2005, it is estimated that 100 cubic metres per day will be required to complete the clean up.

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

- | | |
|--|---|
| <input type="checkbox"/> Industrial | <input 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): please see attached. |

This information was provided in the original application. There have been no changes since the application was approved.

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)

Based on the amount of water required for the construction work and camp, it is requested the allowed daily amount of water usage be raised to 100 cubic metres per day. Contractor use varies depending on daily activities, but typically includes dust suppression and granular material wetting. Water from the existing water supply lake is pumped into a water tank on a truck using a portable pump and then transferred to a water storage tank at the Camp. No water is returned to the source.

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

- | | |
|-------------------------|-------------------------|
| Sewage | Waste oil |
| Solid Waste | Greywater |
| Hazardous | Sludges |
| Bulky Items/Scrap Metal | Other (describe): _____ |

This information was provided in the original application – there have been no changes.

9. 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 _____

N2003X0005.

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.)

NIRB Screening ☒ Yes ___ No ___ If no, date expected.

A project description/environmental screening report was submitted to and approved by NIRB in 2002.

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?

N/A

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?

N/A

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

Contractor is Kudlik Construction at:

LSS Fox Main
Hall Beach, NU
X0A 0K0

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

This information was provided in the original submission and there have been no changes or other information collected.

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. Because the application is being submitted in behalf of a federal proponent, no application fees are required.

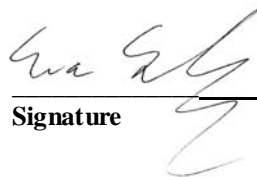
15. PROPOSED TIME SCHEDULE

___ Annual (or) ☒ Multi Year

Start Date: July 2003 Completion Date: October 2007

Eva Schulz

Environmental Scientist



November 28, 2005

Name (Print)

Title (Print)

Signature

Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$ _____

Receipt No.:

WATER USE DEPOSIT

Amount: \$ _____

Receipt No.: