



January 20, 2005

Project No.: LFM (1.14)

VIA E-MAIL (LICENSING@NWB.NUNAVUT.CA)

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

Dear Ms. Beaulieu:

**RE: Water Use Licence Application for the Landfill Monitoring at the former
CAM-M, Cambridge Bay DEW Line Site**

UMA Engineering Ltd. is submitting the enclosed water use licence application for the landfill monitoring at the former CAM-M, Cambridge Bay DEW Line Site. The application is being submitted on behalf of Defence Construction Canada and the Department of National Defence.

If you have any questions or comments, please do not hesitate to contact the undersigned at 403-270-9220.

Sincerely,

UMA ENGINEERING LTD.

A handwritten signature in black ink, appearing to read 'Eva Schulz', with a stylized flourish at the end.

Eva Schulz, P.Ag.
Environmental Scientist
eschulz@umagroup.com

Encl. Water Use Licence Application
Post - Construction Landfill Monitoring Program

cc: Phil Warren, DCC



P.O. Box 119
GJOA HAVEN, NU X0E 1J0
TEL: (867) 360-6338
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Νυναωυτ Ωατερ Βοαρδ
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
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: eschulz@umagroup.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 CAM-M Cambridge Bay DEW Line site is located on the southern coast of Victoria Island. The community of Cambridge Bay is located approximately 3 km east of the site.

Latitude: 69°07'N Longitude: 105°07'W NTS Map No. _____ Scale 1:50,000

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

The purpose of the project is to collect sufficient information to assess the performance of the landfills from a geotechnical and environmental perspective. The landfill monitoring plan specifies the requirements for visual inspection, and chemical and thermal monitoring of landfills.

5. TYPE OF UNDERTAKING (A supplementary questionnaire must be submitted with the application for

undertakings listed in “**bold**”)

☐ Industrial

☐ **Mine Development**

☐ **Advanced Exploration**

☐ **Exploratory Drilling**

☐ **Remote/Tourism Camps**

☐ **Municipal**

☐ Power

☒ Other (describe): landfill monitoring, including the collection of soil and groundwater samples.

6. WATER USE

☐ To obtain water

☐ To modify the bed or bank of a watercourse

To alter the flow of, or store, water

☐ To cross a watercourse

☐ To divert a watercourse

☐ Flood control

☒ Other (describe): to obtain groundwater samples

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 anticipated that the contractor will use commercial accommodations and will not require any water.

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

☒ Sewage

☒ Solid Waste

Hazardous

Bulky Items/Scrap Metal

Waste oil

Greywater

Sludges

Other (describe): _____

Because of the short duration required for the work, it is anticipated that the contractor will stay at a commercial facility in Cambridge Bay. Any solid wastes generated during the work program will be disposed of in the Cambridge Bay municipal landfill.

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 _____

There are no triggers in the work program for a land use permit, therefore, it is not required.

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.

Submitted to NIRB and currently under review.

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)

The contract for the next phase of this work has not yet been tendered or awarded. Therefore, the names, addresses and functions of the contractors and sub-contractors are not available at this time.

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

A site investigation was completed in 1996, and the clean up of the site was completed in 1999. An environmental screening report was submitted to the NIRB in 1998 for all of the DEW Line sites in Nunavut.

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 2005 Completion Date: October 2020

Eva Schulz

Environmental Scientist

Name (Print)

Title (Print)



Signature

January 20, 2005

Date

For Nunavut Water Board use only

APPLICATION FEE Amount: \$ _____ Receipt No.:

WATER USE DEPOSIT Amount: \$ _____ Receipt No.: