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July 14, 2008 File Name: CAM-5 (3.6)

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

Dear Phyllis:

Re: Water Use License Amendment: 1BR-MAC0712

UMA Engineering Ltd. is submitting the following amendment request for water use license 1BR-MAC0712. The amendment request is being submitted on behalf of Defence Construction Canada and the Department of National Defence.

In the original application, two water supply lakes were identified. One supply lake was Bagnall Lake and the other was an un-named lake at the upper site. Water samples were previously collected from these locations to determine their potability and they were acceptable at the time. After mobilizing to site in 2008, water samples were again collected from these locations to confirm the water quality. However, the analytical results for the samples collected in 2008 from both of these locations identified coliforms above the Canadian Drinking Water Criteria. In addition to the two identified water supply lakes in the original application, another un-named lake was tested. The results indicate the water from this location meets all drinking water criteria.

The proposed new water supply lake is located in the middle site area and can be accessed via an existing road from the borrow area. The lake is fairly large and is estimated to be at least 3 m deep, although the depth has not been confirmed because it is still ice covered. A site plan showing the location of the lake and the intake area is attached for reference.

We trust the information provided is sufficient for you to process the amendment. Please feel free to contact the undersigned if you have any questions or require any further information.

Sincerely,

**UMA Engineering Ltd.** 

ha al

Eva Schulz, P.Ag. Environmental Scientist

Eva.Schulz@uma.aecom.com

Encl. Site Plan

cc: Douglas Craig/Asha-Rani Boucher-Sharma, DCC

Barry Fedorak, UMA



P.O. Box 119 GJOA HAVEN, NU XOB 1J0 TEL: (867) 360-6338 FAX: (867) 360-6369 KNK5 wmoEp5 vtmpq NUNAVUT IMALIRIYIN KATIMAYINGI NUNAVUT WATER BOARD OFFICE DES EAUX DU NUNAVUT

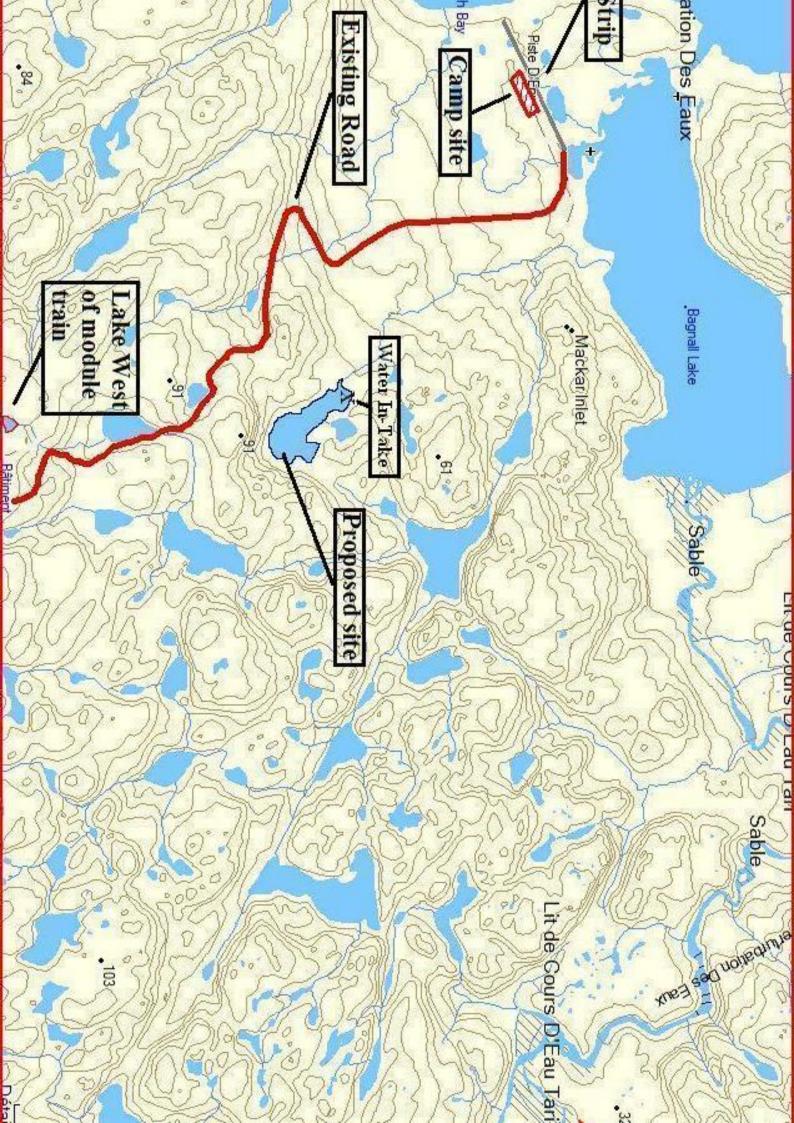
## WATER LICENCE APPLICATION FORM

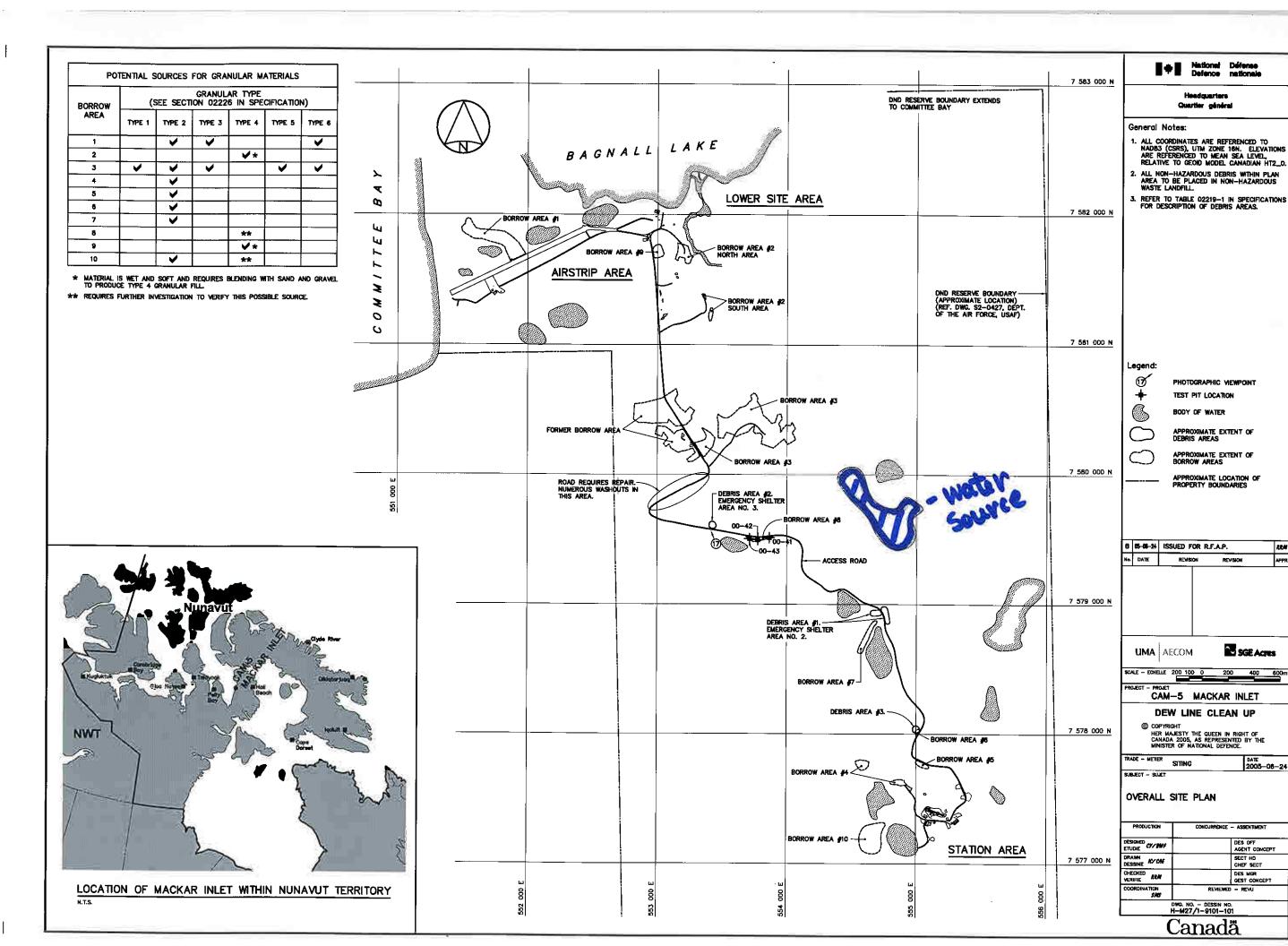
Application for: (check one)					
☐ New	Renewal	<b>Amend</b>	ment	☐ Assignment	☐ Cancellation
LICENCE NO: (for NWB use only)					
	D MAILING ADDRE NT/LICENSEE	SS OF	2.	ADDRESS OF COR CANADA (if applica	PORATE OFFICE IN ble)
Douglas Craig, M.Sc Environmental Office DEW Line Clean Up Defence Constructio Constitution Square, 350 Albert Street Ottawa, ON K1A 0K Phone: 613-998-728 Fax: 613-998-0468 E-Mail: douglas.craig Administered by: Eva Schulz, P.Ag. Environmental Scient UMA Engineering L 2540 Kensington Ro	er Deroject n Canada Suite 1720 C3 88 g@dcc-cdc.gc.ca atist td. ad NW		Phone: Fax: e-mail:		
Calgary, AB T2N 3S  Phone: 403-270-920  Fax: 403-270-039  e-mail: eva.schulz@	<u>0</u> 9				
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking)  The CAM-5, Mackar Inlet DEW Line site is located on the western shore of the Melville Peninsula in the Committee Bay area of the Nunavut Territory.  Latitude: (68°17' "N) Longitude: (85°7' "W)  NTS Map Sheet No. 47B Scale: 1:50,000					
<ul> <li>4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)</li> <li>The purpose of the project is to complete the environmental cleanup of the CAM-5 site. The main components of the cleanup include the following:</li> <li>Demolition and removal of the existing site facilities;</li> </ul>					

•	Closure and remediation of existing landfills;			
•	Construction of two new landfills for the disposal of contaminated soils and non-			
	hazardous debris generated as a result of the clean up;			
•	Excavation and either landfilling or treatment of contaminated soils;			
•	Removal of surface debris; and,			
•	Physical restoration of the site to as natural a state as practical.			
	tailed Project Description of the work being completed at CAM-5 was included with the original cation.			
5.	<b>TYPE OF PRIMARY UNDERTAKING</b> (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in "bold")			
	☐ Industrial ☐ Agricultural ☐ Conservation ☐ Mining and Milling(includes exploration/drilling) ☐ Conservation ☐ Municipal (includes camps/lodges) ☐ Recreational ☐ Power ☐ Miscellaneous (describe below):  DEW Line Clean Up Project			
	See Schedule II of Northwest Territories Waters Regulations for Description of Undertakings			

6.	WATER USE					
	<ul> <li>☐ To obtain water</li> <li>☐ To cross a watercourse</li> <li>☐ To modify the bed or bank of a watercourse</li> <li>☐ To alter the flow of , or store, water</li> </ul>					
	Other (describe):					
	The water supply lake originally intended contains coliforms above the drinking water criteria. An alternate water source has been identified that meets the drinking water criteria. The new water supply lake has an existing access road from the borrow area. See attached site plans.					
7.	<b>QUANTITY OF WATER INVOLVED</b> (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 $\underline{0}$ m <sup>3</sup> /day					
8.	<b>WASTE</b> (for each type of waste describe: composition, quantity (cubic metres per day), methods of treatment and disposal, etc.)					
	<ul> <li>Sewage</li> <li>Solid Waste</li> <li>Greywater</li> <li>Hazardous</li> <li>Sludges</li> <li>Bulky Items/Scrap Metal</li> <li>Other describe):</li> <li>Descriptions were provided in the original application submitted in 2005.</li> </ul>					
9.	OTHER 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					
	Regional Inuit Association					
	Commissioner					
10.	PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)					
	NIRB Screening					

11.	INUIT WATER RIGHTS	1000				
(	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.					
C	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)					
Biogenie S.R.D.C. Inc. Sylvaine Laberge, Project Director Guillome Robert, Site Superintendent P.O. Box 1229 Iqaluit, NU X0A 0H0						
See Section	13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.) See Section 2.5 in the Project Description for a list of the previous assessments and investigations.					
14. T	THE FOLLOWING DOCUMENTS MUST BE INCLUDE REGULATORY PROCESS TO BEGIN	ED WITH THE APPLICATION FOR THE				
Suppleme	nentary Questionnaire (where applicable: see section 5)	Yes No If no, date expected				
Inuktitut a	t and/or Inuinnaqtun/English Summary of Project	Yes No If no, date expected				
Application	tion fee of \$30.00 (Payee Receiver General for Canada)	Yes No If no, date expected				
Water Use General fo	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					
	<b>PROPOSED TIME SCHEDULE</b> (unless otherwise indicate a five (5) year term)	d, the NWB will consider the application for				
		Multi Year				
	Start Date: <u>July 1, 2008</u> Completion Date: <u>October 30, 2010</u>					
Nam	va Schulz Environmental Scientist me (Print) Title (Print)	July 14, 2008  Signature  Date				
APPLICA	avut Water Board office use only  CATION FEE Amount: \$ Pay ID No.:  R USE DEPOSIT Amount: \$ Pay ID No.:					





SGE Acres

DATE 2005-06-24

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