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Effective June 16, 2006

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NUNAVUT IMALIRIYIN KATIMAYINGI  
NUNAVUT WATER BOARD  
OFFICE DES EAUX DU NUNAVUT

## WATER LICENCE APPLICATION FORM

Application for: (check one)

☒ **New**      ☐ **Renewal**      ☐ **Amendment**      ☐ **Assignment**      ☐ **Cancellation**

**LICENCE NO:**

(for NWB use only)

<b>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</b>  Keith Dewing, Geological Survey of Canada 3303 33 <sup>rd</sup> St NW Calgary AB T2L 2A7  Phone: 403-292-7135 Fax: 403-292-4961 E-mail: kdewing@NRCan.gc.ca	<b>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</b>  Phone: Fax: E-mail:								
<b>3. LOCATION OF UNDERTAKING</b> (describe and attach a topographical map, indicating the main components of the Undertaking)  Latitude: (78°38'07" N)      Longitude: (89°50'44" W) NTS Map Sheet No. <u>059E</u> Scale: <u>250:000 (5 people one week)</u> <u>Latitude: 78° 38' 07" N Longitude 89° 50' 44" W NTS Map Sheet 049h Scale: 250,000 (two people 5 days)</u> <u>Latitude 79 ° 42' 06" N Longitude 85° 44' 02" W NTS Map sheet 049G Scale 250,000 (Two people 5 days)</u>									
<b>4. DESCRIPTION OF UNDERTAKING</b> (attach plans and drawings)  Scientific (Geological) field camp. Two to five people in three camps for up to one week. No motorized equipment. Dome tents for sleeping, one 12x14' cook tent.									
<b>5. TYPE OF PRIMARY UNDERTAKING</b> (A supplementary questionnaire <b><u>must</u></b> be submitted with the application for undertakings listed in " <b>bold</b> ") <table border="0"><tr><td><input type="checkbox"/> <b>Industrial</b></td><td><input type="checkbox"/> Agricultural</td></tr><tr><td><input type="checkbox"/> <b>Mining and Milling</b> (includes exploration/drilling)</td><td><input type="checkbox"/> <b>Conservation</b></td></tr><tr><td><input type="checkbox"/> <b>Municipal</b> (includes camps/lodges)</td><td><input type="checkbox"/> Recreational</td></tr><tr><td><input type="checkbox"/> Power</td><td><input checked="" type="checkbox"/> <b>Miscellaneous</b> (describe below):</td></tr></table> Geological mapping of as part of the Geological Survey of Canada's northern mapping program. Temporary camp for five people over one week  See Schedule II of <i>Northwest Territories Waters Regulations</i> for Description of Undertakings		<input type="checkbox"/> <b>Industrial</b>	<input type="checkbox"/> Agricultural	<input type="checkbox"/> <b>Mining and Milling</b> (includes exploration/drilling)	<input type="checkbox"/> <b>Conservation</b>	<input type="checkbox"/> <b>Municipal</b> (includes camps/lodges)	<input type="checkbox"/> Recreational	<input type="checkbox"/> Power	<input checked="" type="checkbox"/> <b>Miscellaneous</b> (describe below):
<input type="checkbox"/> <b>Industrial</b>	<input type="checkbox"/> Agricultural								
<input type="checkbox"/> <b>Mining and Milling</b> (includes exploration/drilling)	<input type="checkbox"/> <b>Conservation</b>								
<input type="checkbox"/> <b>Municipal</b> (includes camps/lodges)	<input type="checkbox"/> Recreational								
<input type="checkbox"/> Power	<input checked="" type="checkbox"/> <b>Miscellaneous</b> (describe below):								

**6. WATER USE**

- ☒ To obtain water
 ☐ Flood control  
☐ To cross a watercourse
 ☐ To divert a watercourse  
☐ To modify the bed or bank of a watercourse
 ☐ To alter the flow of , or store, water  
☐ Other (describe):

**7. QUANTITY OF WATER INVOLVED** (cubic metres per day including both quantity to be used and quality to be returned to source)

- Water use** ☒ 100m<sup>3</sup>/day or less  
☐ Greater than 100m<sup>3</sup>/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

**Water returned to source**

0.1 m<sup>3</sup>/day

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

- ☒ Sewage
 ☐ Waste oil  
☒ Solid Waste
 ☒ Greywater  
☐ Hazardous
 ☐ Sludges  
☐ Bulky Items/Scrap Metal
 ☒ Other (describe): solid, noncombustible waste.

Type of waste	Projected amount generated	Method of Disposal
Sewage (human waste)	20 L over 1 weeks	Latrine and fly out
Greywater	20 L over 1 weeks	Sump
Combustible wastes	0 kg	
Non-Combustible wastes	20 kg	Fly out

**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 Less than the requirement of a INAC Class A land use permit (35 person days)

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 May 31, 2011

**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?

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

Polar Continental Shelf Project (Resolute Bay). Logistic support  
487-615 Booth Street  
Ottawa, ON, K1A 0E9  
Tel (Resolute Bay) 867-252-3872

Hunters and Trappers Association of Resolute Bay (Wildlife monitor)  
PO Box 61  
Resolute Bay, NU X0A 0V0  
Tél. : (867)-252-3170

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

The purpose of this project is to update our understanding of the geology and hydrocarbon potential of Ellef Ringnes Island (NIRB File No. 09YN056; INAC File No. N2009N0010 ). The island was last mapped in 1967. A detailed geological map of the island will be produced. Field work on Ellef Ringnes showed that some key geological contacts are poorly exposed. We wish to examine the contacts elsewhere to do the detailed sampling that we cannot undertake on Ellef Ringnes. These will help determine the age of the formations, as well as provide details on the change in environment at the time that the rocks were deposited.

Work will be undertaken by 2-5 person crews in a small field camp. Crews will examine outcrops on ridges and in river valleys, and sample rocks. Rocks are collected by hand, usually 0.5-2 kg in size. These will be sent to Calgary and analyzed for their organic matter.

Reports and maps will be produced by the Geological Survey of Canada. These will be distributed to the Minerals and Petroleum Resources Division of the Department of Economic Development and Transportation, Government of Nunavut and to the Canada-Nunavut Geoscience Office. All reports are available for free download on the internet. Results will be discussed at the Yellowknife Geoscience Forum and at future Nunavut Petroleum Workshops (in Iqaluit).

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

Application fee of \$30.00 (Payee Receiver General for Canada) ☒ Yes ☐ No If no, date expected \_\_\_\_\_

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 \_\_\_\_\_

**15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)**

☒ one year or less (or) ☒ Multi Year

Start Date: June 15, 2011 Completion Date: September 30, 2011

Keith Dewing

Name (Print)

Research Scientist

Title (Print)

Signature

December 15, 2009

Date

For Nunavut Water Board office use only

APPLICATION FEE      Amount: \$ \_\_\_\_\_      Pay ID No.: \_\_\_\_\_

WATER USE DEPOSIT      Amount: \$ \_\_\_\_\_      Pay ID No.: \_\_\_\_\_