



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

|  |   |
|--|---|
| <b>LICENCE NO:</b><br>(for NWB use only)   |   |
| <b>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</b><br><br>Wayne Pollard, Department of Geography, McGill University, 805 Sherbrooke St. W. Montreal, Qc. H3A2K6<br><br>Phone: 514 398-4454<br>Fax: 514 398-7437<br>e-mail: <a href="mailto:wayne.pollard@mcgill.ca">wayne.pollard@mcgill.ca</a>  | <b>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</b><br><br><div style="border: 1px solid black; padding: 10px; text-align: center;">             Nunavut Water Board<br/><br/>             JUN 16 2006<br/><br/>             Public Registry           </div> Phone: _____<br>Fax: _____<br>e-mail: _____ |
| <b>3. LOCATION OF UNDERTAKING</b> (describe and attach a topographical map, indicating the main components of the Undertaking)<br><br>The location of our research site is at Expedition Fiord on West Central Axel Heiberg Island. This is a McGill University operated research station that supports small groups (usually between 4-8 occasionally up to 10 or 12 persons) for short 2-3 week periods of research. I have included a portion of the 1/250,000 59H topomap together with the location of the camp marked, I have also attached a photo of the camp.<br><br>Latitude: (79°23'21" N)      Longitude: (91°1'25" W)<br>NTS Map Sheet No. 59H Scale: 1:250,000   |   |
| <b>4. DESCRIPTION OF UNDERTAKING</b> (attach plans and drawings)<br>Research camp on western Axel Heiberg Island at Expedition operated by McGill University and supported by the Canadian Space Agency. This is seasonal operation involving research on glaciers, springs, permafrost, geology, geomorphology, remote sensing, microbiology, climate change and planetary analogues. The camp is occupied for 3-4 weeks during April-May and 3-4 weeks in June-July. Research activities are project driven involving small groups (5-8) university professors and graduate students and a few government scientists. Our research is concerned with environmental quality and as a result tends to have little or no impact on the natural systems around the camp. |   |
| <b>5. TYPE OF PRIMARY UNDERTAKING</b> (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in "bold")  |   |
| <input type="checkbox"/> Industrial<br><input type="checkbox"/> Mining and Milling (includes exploration/drilling)<br><input checked="" type="checkbox"/> Municipal (includes camps/lodges)<br><input type="checkbox"/> Power  | <input type="checkbox"/> Agricultural<br><input type="checkbox"/> Conservation<br><input type="checkbox"/> Recreational<br><input type="checkbox"/> Miscellaneous (describe below):   |

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See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

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**6. WATER USE**

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

Domestic water use - drinking and washing. Total consumption is between 10-100 l/day

**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 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  
☐ Solid Waste  
☐ Hazardous  
☐ Bulky Items/Scrap Metal  
☐ Waste oil  
☒ Greywater  
☐ Sludges  
☐ Other describe):

Sewage - solid wastes are decanted, burned and removed. Greywater (~5-10 l/day) is dumped into a sump.

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

None, this is a research station on the west central side of Axel Heiberg Island, the land is designated Crown. There are no other occupants on this island apart from occasional research or exploration camps.

Land Use Permit  
 DIAND

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

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.)

We do not expect any environmental impacts whatsoever. Our science is concerned with monitoring and maintaining environmental conditions

NIRB Screening

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

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**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)**

None

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

Attached are examples of recent publications and a list of publications for the past 5 years.

**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: \_\_\_\_\_ Completion Date: \_\_\_\_\_

Wayne Pollard  
Name (Print)

Professor  
Title (Print)

Signature

Date

For Nunavut Water Board office use only

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

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