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General Water Licence Application
(Application for a new Water Licence)

April 2010

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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

DOCUMENT MANAGEMENT

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DOCUMENT AMENDMENTS

	Description	Date
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NUNAVUT WATER BOARD
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**GENERAL WATER LICENCE APPLICATION
(APPLICATION FOR NEW WATER LICENCE)**

The applicant is referred to the NWB's Guide 4: Guide to Completing and Submitting a Water Licence Application for a New Licence for more information about this application form.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Genevieve LeMoine The Peary-MacMillan Arctic Museum, Bowdoin College 9500 College Station Brunswick, ME 04011-8495 Phone: 207-725-3304 _____ Fax: 207-725-3499 _____ e-mail: glemoine@bowdoin.edu _____	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Phone: _____ Fax: _____ e-mail: _____ (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Inughuit and Explorers at Cape Sheridan: archaeological survey and mapping	
4. LOCATION OF UNDERTAKING Project Extents NW: Latitude: (82 ° 30' " N) Longitude: (61° 35' " W) NE: Latitude: (82 ° 30' " N) Longitude: (61 ° 30' " W) SE: Latitude: (82° 20' " N) Longitude: (61° 8' " W) SW: Latitude: (82° 20' " N) Longitude: (61° 7' " W) Camp Location(s) Latitude: (82 ° 26' " N) Longitude: (61 ° 29' 59" W)	
5. MAP - Attach a topographical map, indicating the main components of the undertaking. NTS Map Sheet No.: __120E/6__ Map Name: __Cape Rawson__ Map Scale: __1:50,000	

6. NATURE OF INTEREST IN THE LAND - Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)

Date (expected date) of issuance: _____ Date of expiry: _____

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: _____ Date of expiry: _____

Surface

☐ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)

Date (expected date) of issuance: _____ Date of expiry: _____

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)

Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)

Date (expected date) of issuance: _____ Date of expiry: _____

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)

Date (expected date) of issuance: _____ Date of expiry: _____

☐ Commissioner's Land Use Authorization

Date (expected date) of issuance: _____ Date of expiry: _____

x Other: __Department of Cultural, Language, Elders and Youth Archaeology Permit

Date (expected date) of issuance: __June 15, 2011__ Date of expiry: __Dec. 31, 2011__

Name of entity(s) holding authorizations: Genevieve LeMoine, Susan Kaplan

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the project is located.

x North Baffin

☐ South Baffin

☐ Akunnig

☐ Keewatin

☐ Sanikiluaq

☐ West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes

☐ No

If Yes, indicate date issued and attach copy ____ decision pending ____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Is an Article 12 Part 4 screening determination required?

☐ Yes

☐ No

If Yes, indicate date issued and attach copy ____decision pending____

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

Planned work is archaeological survey and mapping with possible limited subsurface testing of 2-3 1.x1m square units excavated by hand to an approximate depth of 10 cm.

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

None – project location is determined by location of known archaeological resources

11. CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes.

☐ Industrial

☐ Agricultural

☐ Mining and Milling (includes exploration/drilling/exploration camps)

☐ Conservation

☐ Municipal (includes camps/lodges)

☐ Recreational

☐ Power

x Miscellaneous (describe below):

____archaeological research____

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

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing

☐ Tannery

☐ Tourist / Remote Camp

☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil

☐ Onshore Oil and Gas Exploration Drilling

x Mineral Exploration / Remote Camp

☐ Advanced Exploration

☐ Mine Development

☐ Municipal

☐ General Water Works

☐ Power

12.	<p>WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.</p> <p style="margin-left: 20px;">x To obtain water for camp/ municipal purposes</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><input type="checkbox"/> To obtain water for industrial purposes</p> <p><input type="checkbox"/> To cross a watercourse</p> <p><input type="checkbox"/> To alter the flow of, or store water</p> <p><input type="checkbox"/> Other: _____</p> </div> <div style="width: 48%;"> <p><input type="checkbox"/> To divert a watercourse</p> <p><input type="checkbox"/> To modify the bed or bank of a watercourse</p> <p><input type="checkbox"/> Flood control</p> </div> </div>
13.	<p>QUANTITY AND QUALITY OF WATER INVOLVED - For each type of water use indicated in Block 12, provide the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day, method of extraction, as well as the quantities and qualities of water to be returned to source.</p> <p style="margin-left: 20px;">Name of water source(s) (show location(s) on map): unnamed creek south of Sheridan River</p> <hr style="margin-left: 20px;"/> <p style="margin-left: 20px;">Describe the quality of the water source(s) and the available capacity: _____</p> <p style="margin-left: 20px;">_____water quality is expected to be pristine, capacity is unknown, will be determined in the field_____</p> <hr style="margin-left: 20px;"/> <p style="margin-left: 20px;">Provide the overall estimated quantity of water to be used: .03 (max 8 gallons) m³/day</p> <p style="margin-left: 20px;">Provide the estimated quantity(s) of water to be used from each source:</p> <p style="margin-left: 20px;">.03</p> <hr style="margin-left: 20px;"/> <p style="margin-left: 20px;">Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)</p> <p style="margin-left: 20px;">.03 domestic (camp) use</p> <hr style="margin-left: 20px;"/> <p style="margin-left: 20px;">Describe the method of extraction(s): hand scooped with a water jug</p> <hr style="margin-left: 20px;"/> <p style="margin-left: 20px;">Estimated quantity(s) of water returned to source(s) 0 m³/day</p> <p style="margin-left: 20px;">Describe the quality of water(s) returned to source(s): n/a</p> <hr style="margin-left: 20px;"/> <hr style="margin-left: 20px;"/>
14.	<p>WASTE – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>x Sewage</p> <p>x Solid Waste</p> <p><input type="checkbox"/> Hazardous</p> <p><input type="checkbox"/> Bulky Items/Scrap Metal</p> <p><input type="checkbox"/> Animal Waste</p> <p><input type="checkbox"/> Other (describe): _____</p> </div> <div style="width: 48%;"> <p><input type="checkbox"/> Waste oil</p> <p>x Greywater</p> <p><input type="checkbox"/> Sludges</p> <p><input type="checkbox"/> Contaminated soil and/or water</p> </div> </div>

- 15. QUANTITY AND QUALITY OF WASTE INVOLVED** – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Greywater	Dishwater/ cooking water	2 gallons/day	None	Sump pit
Solid waste	Food preparation waste	1 kg/day	Burned	Removed for disposal in Resolute Bay
Sewage	Human waste		None	Pit latrine

- 16. OTHER AUTHORIZATIONS** – In addition to the sub-surface and surface land use authorizations provided in Block 6, indicate any other authorizations required in relation to the proposed undertaking. For each provide the following:

Authorization: __Archaeology permit_____

Administering Agency: __CLEY_____

Project Activity: _archaeological survey and mapping_____

Date (expected date) of issuance: _15/6/11_____ Date of expiry: __31/12/11_____

- 17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** - Describe direct, indirect, and cumulative impacts related to water and waste.

No environmental impacts are anticipated

- 18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Provide the names, addresses and nature of use for any known persons or properties that may be adversely affected by the proposed undertaking, including those that hold licences for water use in precedent to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature.

Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.

- 19. INUIT WATER RIGHTS**

Advise the Board of any substantial affect of the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL), and advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

20. CONSULTATION	<p>– Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.</p> <p>Letters have been sent to the mayor of Grise Fjord and the commanding officer of CFS Alert informing them of our proposed activities (copies available on request). The community of Grise Fjord will also be consulted by CLEY regarding the archaeological permit.</p>
21. SECURITY INFORMATION	<p>Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. <u>Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults.</u> The estimate must also include contingency factors appropriate to the particular work to be undertaken.</p> <p>Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the <i>Mine Site Reclamation Policy for Nunavut</i>, Indian and Northern Affairs Canada, 2002.</p>
22. FINANCIAL INFORMATION	<p>Provide a statement of financial responsibility. Funding through the National Science Foundation Office of Polar Programs (pending)</p> <p>If the applicant is a business entity, provide a list of the officers of the company.</p> <p>If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.</p>
23. STUDIES UNDERTAKEN TO DATE	<p>- List and attach copies of studies, reports, research, etc.</p> <p>n/a</p>

24. PROPOSED TIME SCHEDULE – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Construction

Proposed Start Date: n/a Proposed Completion Date:
(month/year) (month/year)

Operation

Proposed Start Date: 7/11 Proposed Completion Date: 8/11
(month/year) (month/year)

Closure

Proposed Start Date: Proposed Completion Date:
(month/year) (month/year)

Post - Closure

Proposed Start Date: Proposed Completion Date:
(month/year) (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Operation

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

Number of years (maximum of 25 years): 1 years

Requested Date of Issuance: 7/11 Requested Expiry Date: 7/12
(month/year) (month/year)

(The requested date of issuance must be at least three (3) months from the date of application for a type B water licence and at least one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING – If not using the NWB's *Standardized Form for Annual Reporting*, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

27. CHECKLIST – The following must be included with the application for the water licensing process to begin.

Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.

☐ Yes ☒ No If no, date expected ___unknown_____

Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.

☐ Yes ☒ No If no, date expected ___unknown_____

Completed General Water Licence Application form.

☒ Yes ☐ No If no, date expected _____

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)

☒ Yes ☐ No If no, date expected _____

English Summary of Application.

☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Application.

☐ Yes ☒ No If no, date expected ___May 1, 2011_____

Application Fee of \$30.00 CDN (Payee Receiver General for Canada).

☐ Yes ☒ No If no, date expected ___credit card payment to follow

Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

☐ Yes ☒ No If no, date expected ___credit card payment to follow___

28. SIGNATURE

Genevieve LeMoine

Curator

Signed copy to follow

April 14, 2011

Name (Print)

Title (Print)

Signature

Date