

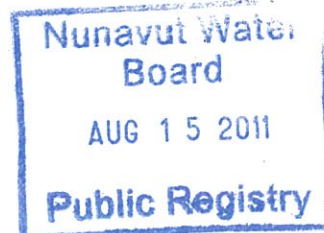


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NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

GENERAL WATER LICENCE APPLICATION FORM

<p>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION</p> <p><i>Martin McCurdy</i> <i>Geological Survey of Canada</i> <i>601 Booth St. Ottawa ON K1A 0E8</i></p> <p>Phone: <i>613 995-4430</i> Fax: <i>613 992-0190</i> e-mail: <i>mmccurdy@nrcan.gc.ca</i></p>	<p>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</p> <p>Phone: _____ Fax: _____ e-mail: _____ (attach authorization letter)</p>								
<p>3. NAME OF PROJECT</p> <p><i>Stream sediment sample survey, Ellise-Back River area, Nunavut</i></p>									
<p>4. LOCATION OF UNDERTAKING</p> <p>Project Extents</p> <table> <tr> <td>NW: Latitude: <i>(66° 10' 00" N)</i></td> <td>Longitude: <i>(106° 00' 00" W)</i></td> </tr> <tr> <td>NE: Latitude: <i>(66° 10' 00" N)</i></td> <td>Longitude: <i>(104° 00' 00" W)</i></td> </tr> <tr> <td>SE: Latitude: <i>(65° 15' 00" N)</i></td> <td>Longitude: <i>(104° 00' 00" W)</i></td> </tr> <tr> <td>SW: Latitude: <i>(65° 15' 00" N)</i></td> <td>Longitude: <i>(106° 00' 00" W)</i></td> </tr> </table> <p>Camp Location(s)</p> <p>Latitude: <i>(65° 22' 07" N)</i> Longitude: <i>(105° 11' 32" W)</i></p>		NW: Latitude: <i>(66° 10' 00" N)</i>	Longitude: <i>(106° 00' 00" W)</i>	NE: Latitude: <i>(66° 10' 00" N)</i>	Longitude: <i>(104° 00' 00" W)</i>	SE: Latitude: <i>(65° 15' 00" N)</i>	Longitude: <i>(104° 00' 00" W)</i>	SW: Latitude: <i>(65° 15' 00" N)</i>	Longitude: <i>(106° 00' 00" W)</i>
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<p>5. MAP - Attach a topographical map, indicating the main components of the undertaking</p> <p>NTS Map Sheet No. <i>76H, I</i> Scale: <i>1:250,000</i></p>									



6. NATURE OF INTEREST IN THE LAND - Check any of the following that are applicable to the proposed undertaking (at least one box 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: Aug 21, 2011 Date of expiry: Sept. 21, 2012

☐ IOL Authorization from Kivalliq Inuit Association (KivIA)

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

☐ IOL Authorization from Qikitan Inuit Association (QIA)

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

☐ Commissioner's Land Use Authorization

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

☐ Other _____

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

Name of entity(s) holding authorizations: _____

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

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

☐ North Baffin

☐ Keewatin

☐ South Baffin

☐ Sanikiluaq

☐ Akunnliq

☒ West Kitikmeot

Is a land use plan conformity determination required?

☐ Yes

☐ No

If Yes, indicate date issued and attach copy _____

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

8.	<p>NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION</p> <p>Is an Article 12 Part 4 screening determination required?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, indicate date issued and attach copy: _____</p> <p>If No, provide written confirmation from NIRB confirming that a screening determination is not required.</p>																					
9.	<p>DESCRIPTION OF UNDERTAKING - Attach plans and drawings or project proposal</p>																					
10.	<p>OPTIONS -- Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.</p>																					
11.	<p>CLASSIFICATION OF PRIMARY UNDERTAKING - Indicate the primary classification of undertaking by checking one of the following boxes</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/> Agricultural</td> </tr> <tr> <td><input type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps)</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Conservation</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Municipal (Includes camps/lodges)</td> <td><input type="checkbox"/> Recreational</td> </tr> <tr> <td><input type="checkbox"/> Power</td> <td><input checked="" type="checkbox"/> Miscellaneous (describe below):</td> </tr> </table> <p style="text-align: right; margin-right: 50px;"><u>Geochemical Survey</u></p> <p>See Schedule II of <i>Northwest Territories Waters Regulations</i> for Description of Undertakings</p> <p>Information in accordance with applicable Supplemental Information Guidelines (SIG) must be submitted with an application for undertaking. Indicate which SIG(s) are applicable to your application.</p> <table style="width: 100%;"> <tr><td><input type="checkbox"/> Hydrostatic Testing</td></tr> <tr><td><input type="checkbox"/> Tannery</td></tr> <tr><td><input type="checkbox"/> Tourist / Remote Camp</td></tr> <tr><td><input type="checkbox"/> Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil</td></tr> <tr><td><input type="checkbox"/> Onshore Oil and Gas Exploration Drilling</td></tr> <tr><td><input type="checkbox"/> Mineral Exploration / Remote Camp</td></tr> <tr><td><input type="checkbox"/> Advanced Exploration</td></tr> <tr><td><input type="checkbox"/> Mine Development</td></tr> <tr><td><input type="checkbox"/> Municipal</td></tr> <tr><td><input type="checkbox"/> General Water Works</td></tr> <tr><td><input type="checkbox"/> Power</td></tr> </table>	<input type="checkbox"/> Industrial	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps)		<input type="checkbox"/> Conservation		<input type="checkbox"/> Municipal (Includes camps/lodges)	<input type="checkbox"/> Recreational	<input type="checkbox"/> Power	<input checked="" type="checkbox"/> Miscellaneous (describe below):	<input type="checkbox"/> Hydrostatic Testing	<input type="checkbox"/> Tannery	<input type="checkbox"/> Tourist / Remote Camp	<input type="checkbox"/> Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil	<input type="checkbox"/> Onshore Oil and Gas Exploration Drilling	<input type="checkbox"/> Mineral Exploration / Remote Camp	<input type="checkbox"/> Advanced Exploration	<input type="checkbox"/> Mine Development	<input type="checkbox"/> Municipal	<input type="checkbox"/> General Water Works	<input type="checkbox"/> Power
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12.	<p>WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.</p> <table style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> To obtain water for domestic purposes</td> <td><input type="checkbox"/> Flood control</td> </tr> <tr> <td><input type="checkbox"/> To obtain water for industrial purposes</td> <td><input type="checkbox"/> To divert a watercourse</td> </tr> <tr> <td><input type="checkbox"/> To cross a watercourse</td> <td><input type="checkbox"/> To modify the bed or bank of a watercourse</td> </tr> <tr> <td><input type="checkbox"/> To alter the flow of, or store water</td> <td><input type="checkbox"/> Other: _____</td> </tr> </table>	<input checked="" type="checkbox"/> To obtain water for domestic purposes	<input type="checkbox"/> Flood control	<input type="checkbox"/> To obtain water for industrial purposes	<input type="checkbox"/> To divert a watercourse	<input type="checkbox"/> To cross a watercourse	<input type="checkbox"/> To modify the bed or bank of a watercourse	<input type="checkbox"/> To alter the flow of, or store water	<input type="checkbox"/> Other: _____													
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13. **QUANTITY AND QUALITY OF WATER INVOLVED** - For each type of water use indicated in Block 11, indicate the source of water, the quality of the water source and available capacity, the estimated quantity to be used in cubic meters per day as well as the quantities and qualities of water to be returned to source.

Name of water source(s): small lake near camp.
(show location(s) on map)

Describe the quality of the water source(s) and the available capacity: unknown

Estimated quantity(s) of water to be used from each source:

- ☒ 100m³/day or less
☐ Greater than 100m³/day

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)

100 litres / day (drinking, washing, cooking) for 12 days.

Describe the method of extraction: manual

Estimated quantity(s) of water returned to source(s): 0.9 litres / day m³/day

Describe the quality of water returned to source(s): grey water

14. **WASTE** – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited

- | | |
|--|---|
| <input checked="" type="checkbox"/> Sewage | <input type="checkbox"/> Waste oil |
| <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste | |
| <input checked="" type="checkbox"/> Other | |
| (describe): <u>fuel drums</u> | |

15. **QUANTITY AND QUALITY OF WASTE INVOLVED** - For each type of waste indicated in Block 13, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity	Treatment	Disposal
Sewage		0.1 m ³ /day		return to town
Solid waste		0.1 m ³ /day		return to town
Fuel drums				return to town

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: _____

Administering Agency: _____

Project Activity: _____

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

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

small quantities of silt and pebbles to be removed from stream beds for mineral analysis.

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 – 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.
21.	SECURITY INFORMATION Provide a financial security assessment 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. 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>
22.	FINANCIAL INFORMATION Provide a statement of financial responsibility. If the applicant is a business entity, provide a list of the officers of the company. If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.
23.	STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc. <i>None</i>

NUNAVUT WATER BOARD
GUIDE 4 – COMPLETING AND SUBMITTING A WATER LICENCE APPLICATION FOR A NEW LICENCE
APRIL 2010

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: 09/11 (month/year) Proposed Completion Date: 100/11 (month/year)

Operation
Proposed Start Date: 09/11 (month/year) Proposed Completion Date: 100/11 (month/year)

Closure
Proposed Start Date: 09/11 (month/year) Proposed Completion Date: 100/11 (month/year)

Post - Closure
Proposed Start Date: 09/11 (month/year) Proposed Completion Date: 100/11 (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

Proposed Date of Issuance: 09/11 (month/year) Proposed Expiry Date: 08/12 (month/year)

26. ANNUAL REPORTING – Provide details regarding the content of annual reports and a proposed outline or template of the annual report.

*Results will be published as a Geological Survey of Canada
Open File Report, available to the public free of charge.*