



General Water Licence Application
(Application for a new Water Licence of the
Contaminated construction waste remediation of the
Municipality of Hall Beach.); Type-B.

Application Submission Date: 11/24/2017
Month/Day/Year

P.O. BOX 119
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NUNAVUT IMALIRIYIN KATIMAYIT
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

OFFICE DES EAUX DU NUNAVUT

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Government of Nunavut represented by Wayne Olson Phone: 867-899-7301 Fax: 867-899-7330 e-mail: wolson@gov.nu.ca	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Bhabesh Roy, M.A.Sc., P.Eng. Phone: 867-899-7314 Fax: 867-899-7328 e-mail: broy@gov.nu.ca (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Municipality of Hall Beach	
4. LOCATION OF UNDERTAKING Project Extents NW: Latitude: (68 ° 46' " N) Longitude: (81 ° 13' " W) NE: Latitude: (° ' " N) Longitude: (° ' " W) SE: Latitude: (° ' " N) Longitude: (° ' " W) SW: Latitude: (° ' " N) Longitude: (° ' " W) Camp Location(s) Latitude: (° ' " N) Longitude: (° ' " W)	
5. MAP - Attach a topographical map, indicating the main components of the undertaking. Attached. NTS Map Sheet No.: _____ Map Name: _____ Map Scale: _____	

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: _____

☐ 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

☐ Akunnig

☐ 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 checked="" 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 – List and attach plans and drawings or project proposal.</p> <p style="text-align: center;">Project Proposal and Site Map are attached.</p>																					
10.	<p>OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.</p> <p>No other option was considered.</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%; border: none;"> <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 checked="" type="checkbox"/> Municipal (includes camps/lodges)</td> <td><input type="checkbox"/> Recreational</td> </tr> <tr> <td><input type="checkbox"/> Power</td> <td><input type="checkbox"/> Miscellaneous (describe below):</td> </tr> </table> <hr/> <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 a New Water Licence Application. Indicate which SIG(s) are applicable to your application.</p> <table style="width: 100%; border: none;"> <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 checked="" type="checkbox"/> Land farm & 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 checked="" type="checkbox"/> Municipal (includes camps/lodges)	<input type="checkbox"/> Recreational	<input type="checkbox"/> Power	<input type="checkbox"/> Miscellaneous (describe below):	<input type="checkbox"/> Hydrostatic Testing	<input type="checkbox"/> Tannery	<input type="checkbox"/> Tourist / Remote Camp	<input checked="" type="checkbox"/> Land farm & 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%; border: none;"> <tr> <td><input type="checkbox"/> To obtain water for camp/ municipal purposes</td> <td><input type="checkbox"/> To divert a watercourse</td> </tr> <tr> <td><input type="checkbox"/> To obtain water for industrial purposes</td> <td><input type="checkbox"/> To modify the bed or bank of a watercourse</td> </tr> <tr> <td><input type="checkbox"/> To cross a watercourse</td> <td><input type="checkbox"/> Flood control</td> </tr> <tr> <td><input type="checkbox"/> To alter the flow of, or store water</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Other: No water use</td> <td></td> </tr> </table>	<input type="checkbox"/> To obtain water for camp/ municipal purposes	<input type="checkbox"/> To divert a watercourse	<input type="checkbox"/> To obtain water for industrial purposes	<input type="checkbox"/> To modify the bed or bank of a watercourse	<input type="checkbox"/> To cross a watercourse	<input type="checkbox"/> Flood control	<input type="checkbox"/> To alter the flow of, or store water		<input type="checkbox"/> Other: No water use												
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- 13. 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. **NIL**

Name of water source(s) (show location(s) on map): _____

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

Provide the overall estimated quantity of water to be used: _____ m³/day

Provide the estimated quantity(s) of water to be used from each source: _____

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

Describe the method of extraction(s): _____

Estimated quantity(s) of water returned to source(s) _____ m³/day

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

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

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

- 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
Contaminated Construction wastes	Non-Hazardous	2860 cubic meters	Aeration	Trucking

16.	<p>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: NIL</p> <p>Authorization: _____</p> <p>Administering Agency: _____</p> <p>Project Activity: _____</p> <p>Date (expected date) of issuance: _____ Date of expiry: _____</p>			
17.	<p>PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.</p> <p>Surface water monitoring program has been developed and attached.</p> <p>The hazardous materials have been packaged and are contracted to be shipped via 2018 Sealift.</p>			
18.	<p>WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER</p> <p>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.</p> <p>Advise the Board if compensation has been paid and/or agreement(s) for compensation have been reached with any existing or other users.</p> <p>The construction wastes have been dumped next to the existing land fill site and built a dyke surrounding this area to retain surface water inside. Therefore no adverse impact is expected to the community.</p>			
19.	<p>INUIT WATER RIGHTS: N/A</p> <p>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).</p>			
20.	<p>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.</p> <p>Several discussions and consultations were made with the SAO of the Municipality of Hall Beach over phone.</p>			

21. SECURITY INFORMATION: Estimated cost roughly \$1.00M

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. 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. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

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 *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility. **Government of Nunavut**

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.

Soil remediation plan has been developed and attached.

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

Operation

Proposed Start Date: **May /2018** (month/year) Proposed Completion Date: **Dec. / 2022** (month/year)

Closure

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

Post - Closure

Proposed Start Date: _____ (month/year) Proposed Completion Date: _____ (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): **5 (Five) years**

Requested Date of Issuance: **December/2017** Requested Expiry Date: **December/2022**
(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.

The annual Report of 2018 will be submitted in 2019 by March 31.

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 _____

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

☒ Yes ☐ No If no, date expected _____

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.			
<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No If no, date expected _____	
Application Fee of \$30.00 CDN (Payee Receiver General for Canada).			
<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No If no, date expected _____	
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.			
<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No If no, date expected: Not needed.	
28.	SIGNATURE <u>Wayne Olson</u> Regional Director, Infrastructure 14-01421 Community and Government Services Government of Nunavut		
Name (Print)		Title (Print)	Signature <u>Wayne Olson</u>
			Date <u>2017/11/24</u>