



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

Document Date: April 2013

Application Submission Date: September/19/2014  
Month/Day/Year

P.O. BOX 119  
GJOA HAVEN, NUNAVUT  
XOB 1J0  
TEL: (867) 360-6338  
FAX: (867) 360-6369

ᐅᓄᓐ ᐃᓕᓂᓐ ᑲᓂᓴᓐ  
NUNAVUT IMALIRIYIN KATIMAYIT  
NUNAVUT WATER BOARD  
OFFICE DES EAUX DU NUNAVUT

## DOCUMENT MANAGEMENT

Original Document Date: April 2010

### DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 4	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	Update NWB logo	April 2013
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



P.O. Box 119

GJOA HAVEN, NU X0B 1J0

TEL: (867) 360-6338

FAX: (867) 360-6369

ᐃᓄᐱᓐ ᐃᓄᓕᓂᓐ ᐅᑎᓄᓐ

NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYIT

OFFICE DES EAUX DU NUNAVUT

### 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)	
<b>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION</b> (name, address)  City of Iqaluit PO Box 460 Iqaluit, Nunavut, Canada X0A 0H0  Phone: 867-979-6363 Fax: 867-979-5922 e-mail: info@city.iqaluit.nu.ca	<b>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</b> if different from Block 1 (name, address)  Matthew Hamp City of Iqaluit PO Box 460 Iqaluit, Nunavut, Canada X0A 0H0  Phone: 867-979-6363 Fax: 867-979-5922 e-mail: m.hamp@city.iqaluit.nu.ca (Attach authorization letter.)
<b>3. NAME OF PROJECT</b> (including the name of the project location)  The Design, Contract Administration and Construction Management for the Development of the Northwest Iqaluit Granular Deposit (City of Iqaluit, Nunavut, Canada).  Population of Iqaluit is estimated at 6699 people as per the 2011 census. According to the Nunavut Bureau of Statistics the population is estimated to be 7254 people in 2014, growing to 7608 people in 2019 for a 5 year growth rate of approximately 4.7%.	
<b>4. LOCATION OF UNDERTAKING</b>  <b>Project Extents (Approx.)</b>  <b>Proposed Road:</b> Latitude : 63°47'20.94"N Longitude: 68°33'35.58"W <b>To</b> Latitude : 63°49'23.40"N Longitude: 68°35'12.42"W  <b>Water Crossing 1:</b>	

Latitude : 63°47'44.52"N Longitude: 68°34'0.84"W

**Water Crossing 2:**

Latitude : 63°48'8.04"N Longitude: 68°34'8.94"W

**Camp Location(s)**

Camp not required

**5. MAP - Attach a topographical map, indicating the main components of the undertaking.**

-NTS Map Sheet No.: 025N/15      Map Name: IQALUIT 25 N/15      Map Scale: 1:50,000

**1) 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: Municipal

Date (expected date) of issuance: **August 2014** Date of expiry: **August 2015**

Name of entity(s) holding authorizations:

**City of Iqaluit**

**2) NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**



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

- |  |   |
|--|---|
| <input type="checkbox"/> North Baffin            | <input type="checkbox"/> Keewatin       |
| <input checked="" type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq     |
| <input type="checkbox"/> Akunnig                 | <input type="checkbox"/> 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

**3) 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 \_\_\_\_\_

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

**4) DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.**

**-Please see executive summary**

**-Site plan attached showing water crossing areas, culvert details, and cross sections of the road**

**-Issued for tender Working drawings also attached.**

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

**None.**

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

- |   |  |
|---|--|
| <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): |

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
- ☐ Mineral Exploration / Remote Camp
- ☐ Advanced Exploration
- ☐ Mine Development
- ☒ Municipal
- ☐ General Water Works
- ☐ Power

7) **WATER USE** - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.

- ☐ To obtain water for camp/ municipal purposes
- ☐ To obtain water for industrial purposes
- ☒ To cross a watercourse
- ☐ To alter the flow of, or store water
- ☒ Other: Construction of a new road
- ☐ To divert a watercourse
- ☐ To modify the bed or bank of a watercourse
- ☐ Flood control

8) **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.

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

**Please see attached plan**

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

**Water quality is good, the watercourse is composed of natural runoff. Capacity varies during spring runoff**

Provide the overall estimated quantity of water to be used:

**None**

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

**None**

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

**None**

Describe the method of extraction(s):

**No water will be extracted**

Estimated quantity(s) of water returned to source(s): **None**

Describe the quality of water(s) returned to source(s): **No water being returned.**

9) **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 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): None |   |

10) **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.

**No waste involved**

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
None	-	-	-	-

11) **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: **Licence Number/Type: 3AM-IQA0611 TYPE 'A'**

Administering Agency: **Nunavut Water Board Water Licence**

Project Activity: **Municipal Undertaking**

Date (expected date) of issuance: **May 15, 2006** Date of expiry: **May 15, 2011 (Amended to July 15, 2012)**

12) **PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** –

Direct impact on watercourse will entail filling water crossing with granular material and installing a culvert to allow water to pass under road bed. Mitigation measures will include:

**Fires**

- Fires and burning of rubbish on site not permitted.

**Drainage**



- Provide temporary drainage and pumping required to keep excavations and site free from water.
- Ensure pumped water into waterways or drainage systems is free of suspended materials.
- Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements.

**Work Adjacent to Waterways**

- Do not operate construction equipment in waterways. Construction equipment to be operated on land only.
- Do not use waterway beds for borrow material
- Waterways to be free of excavated fill, waste material and debris.
- Design and construct temporary crossings to minimize erosion to waterways.

**Pollution Control**

- Maintain temporary erosion and pollution control features installed under this Contract.
- Control emissions from equipment and plant to local authorities' emission requirements.
- Cover or wet down dry materials and rubbish to prevent blowing dust and debris. Provide dust control for temporary roads.

**13) 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.

**Not Applicable**

**14) 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).

**Not Applicable**

**15) 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**



	<p>concerns.</p> <p><b>No Consultations Performed</b></p>																																								
<b>16)</b>	<p><b>SECURITY INFORMATION</b></p> <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> <p><b>The proposed project entails constructing a permanent public road, therefore no reclamation costs will be calculated.</b></p>																																								
<b>17)</b>	<p><b>FINANCIAL INFORMATION</b></p> <p>Provide a statement of financial responsibility.</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>																																								
<b>18)</b>	<p><b>STUDIES UNDERTAKEN TO DATE</b> - List and attach copies of studies, reports, research, etc.</p> <p><b>No studies undertaken</b></p>																																								
<b>19)</b>	<p><b>PROPOSED TIME SCHEDULE</b> – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).</p> <table style="width: 100%; border: none;"> <tr> <td colspan="4"><u>Construction</u></td> </tr> <tr> <td style="width: 30%;">Proposed Start Date:</td> <td style="width: 20%;">August 2014 (month/year)</td> <td style="width: 30%;">Proposed Completion Date:</td> <td style="width: 20%;">October 2015 (month/year)</td> </tr> <tr> <td colspan="4"><u>Operation</u></td> </tr> <tr> <td>Proposed Start Date:</td> <td>October 2015 (month/year)</td> <td>Proposed Completion Date:</td> <td>Indefinite (month/year)</td> </tr> <tr> <td colspan="4"><u>Closure</u></td> </tr> <tr> <td>Proposed Start Date:</td> <td>November 2015 (month/year)</td> <td>Proposed Completion Date:</td> <td>November 2015 (month/year)</td> </tr> <tr> <td colspan="4"><u>Post - Closure</u></td> </tr> <tr> <td>Proposed Start Date:</td> <td>November 2015 (month/year)</td> <td>Proposed Completion Date:</td> <td>Indefinite (month/year)</td> </tr> </table> <p>For each applicable phase of development indicate which season(s) activities occur.</p> <table style="width: 100%; border: none;"> <tr> <td><u>Construction</u></td> <td><input type="checkbox"/> Winter</td> <td><input checked="" type="checkbox"/> Spring</td> <td><input checked="" type="checkbox"/> Summer</td> <td><input checked="" type="checkbox"/> Fall</td> <td><input type="checkbox"/> All season</td> </tr> </table>			<u>Construction</u>				Proposed Start Date:	August 2014 (month/year)	Proposed Completion Date:	October 2015 (month/year)	<u>Operation</u>				Proposed Start Date:	October 2015 (month/year)	Proposed Completion Date:	Indefinite (month/year)	<u>Closure</u>				Proposed Start Date:	November 2015 (month/year)	Proposed Completion Date:	November 2015 (month/year)	<u>Post - Closure</u>				Proposed Start Date:	November 2015 (month/year)	Proposed Completion Date:	Indefinite (month/year)	<u>Construction</u>	<input type="checkbox"/> Winter	<input checked="" type="checkbox"/> Spring	<input checked="" type="checkbox"/> Summer	<input checked="" type="checkbox"/> Fall	<input type="checkbox"/> All season
<u>Construction</u>																																									
Proposed Start Date:	August 2014 (month/year)	Proposed Completion Date:	October 2015 (month/year)																																						
<u>Operation</u>																																									
Proposed Start Date:	October 2015 (month/year)	Proposed Completion Date:	Indefinite (month/year)																																						
<u>Closure</u>																																									
Proposed Start Date:	November 2015 (month/year)	Proposed Completion Date:	November 2015 (month/year)																																						
<u>Post - Closure</u>																																									
Proposed Start Date:	November 2015 (month/year)	Proposed Completion Date:	Indefinite (month/year)																																						
<u>Construction</u>	<input type="checkbox"/> Winter	<input checked="" type="checkbox"/> Spring	<input checked="" type="checkbox"/> Summer	<input checked="" type="checkbox"/> Fall	<input type="checkbox"/> All season																																				

☐ 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

**No activities post closure**

20) **PROPOSED TERM OF LICENCE**

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

Requested Date of Issuance: **October 2014** Requested Expiry Date: **October 2015**  
(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)

21) **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

**No reporting scheduled at this time.**

22) **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.

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

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

☒ Yes ☐ 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.

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

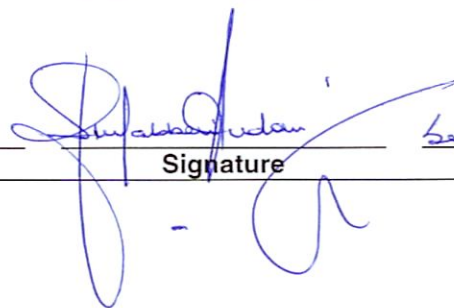
23) SIGNATURE

JOHN MABBERI-MUDONZI

Name (Print)

ACTING CAO

Title (Print)



Signature

Sept. 26, 2014

Date