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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)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Canada-Nunavut Geoscience Office (CNGO) David Mate, Chief Geologist 626, Tumiit Plaza, Suite 202, Box 2319 Iqaluit, Nu X0A 0H0 Phone: 867-975-4412 Fax: 867-979-0708 e-mail: dmate@nrcan.gc.ca	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) Hall Peninsula Integrated Geoscience Project (HPIGP)	
4. LOCATION OF UNDERTAKING Project Extents See Map 1 for precise location NW: Latitude: (65°00'00" N) Longitude: (68°00' 00" W) NE: Latitude: (65°00'00" N) Longitude: (64°00' 00" W) SE: Latitude: (62°15'00" N) Longitude: (64°00'00" W) SW: Latitude: (63°00'00" N) Longitude: (68°00'00" W) Camp Location(s) South Camp 2012 Latitude: : 63°15'49.516" N Longitude: 66°05'56.604"W North Camp 2013 Latitude: : 64°29'52.977"N Longitude: 67°31'19.905"W	
5. MAP - Attach a topographical map, indicating the main components of the undertaking. See Map 1 for the location of undertaking, Map 2 for the location of the South Camp and Map 3 for the location of the North Camp. 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)
expected date of issuance: January 31, 2012 Date of expiry: September 1, 2013

☐ 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)
expected date of issuance: January 31, 2012 Date of expiry: September 1, 2013

☐ 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.

- | | |
|--|---|
| <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.

See attached e-mail

NPC conformity for a water license application - Hall Peninsula
From: Brian Aglukark [aglukark@nunavut.ca]
Sent: October 15, 2011 13:53
To: Machado, Gabriel

Cc: Phyllis Beaulieu
Subject: RE: NPC conformity for a water license application - Hall Peninsula

Importance: High

Good afternoon

Email is to confirm that the above listed proposal located on Hall Peninsula (NR Can) falls outside both the North Baffin and Keewatin Regional Land Use Planning boundaries, therefore a NPC conformity review will not be required.

Any questions and or concerns, please do not hesitate.

Brian Aglukark, NPC

Arviat

****Note – I have copied Ms. Beaulieu this email notification**

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 : to come, application has been made

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.
Executive summary, Appendix A and Maps 1, 2 and 3

10. OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.
See appendix A section 6

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

☐ 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

	<input type="checkbox"/> Advanced Exploration <input type="checkbox"/> Mine Development <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> General Water Works <input type="checkbox"/> Power
12.	WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for. <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes <input type="checkbox"/> To obtain water for industrial purposes <input type="checkbox"/> To cross a watercourse <input type="checkbox"/> To alter the flow of, or store water <input type="checkbox"/> Other: _____ </div> <div style="width: 50%;"> <input type="checkbox"/> To divert a watercourse <input type="checkbox"/> To modify the bed or bank of a watercourse <input type="checkbox"/> Flood control </div> </div>
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. Name of water source(s) (show location(s) on map): <i>Unnamed lakes and/or streams for both camps (see maps 2 and 3)</i> Describe the quality of the water source(s) and the available capacity: _____ <i>Quality is assumed to be good and sizes of the lakes and/or streams insure adequate capacity for a seasonal camp of 25 people</i> Provide the overall estimated quantity of water to be used: <i>less than 1 m³/day</i> Provide the estimated quantity(s) of water to be used from each source: <i>Quantity of water (1 m³/day; 50 m³/year) needed will come from a single source for both camps</i> Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) <i>Only use of water will be for camp (human consumption, washing, showering, drinking)</i> Describe the method of extraction(s): <i>gas water pump equipped with a 3 in. rubber intake hose with a perforated (< 0.5 in holes) stainless steel screen</i> Estimated quantity(s) of water returned to source(s) <i>less than 0.5 m³/day</i> Describe the quality of water(s) returned to source(s): <i>No water will be returned directly to the source. All waste and greywater will be disposed into holes at a safe distance from the water source. Water will return through the ground towards the source insuring its cleaning.</i>
14.	WASTE – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited. <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Sewage <input checked="" type="checkbox"/> Solid Waste <input type="checkbox"/> Hazardous <input checked="" type="checkbox"/> Bulky Items/Scrap Metal <input type="checkbox"/> Animal Waste <input type="checkbox"/> Other (describe): _____ </div> <div style="width: 50%;"> <input type="checkbox"/> Waste oil <input checked="" type="checkbox"/> Greywater <input type="checkbox"/> Sludges <input type="checkbox"/> Contaminated soil and/or water </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
Sewage		0.1 m ³ /day	Holes in gravel	Burying of holes
Solid waste	Organic and inorganic combustible items		incineration	Ashes will be buried
Solid waste	Non combustible items		Accumulate in empty drums	Iqaluit municipal landfill (if approved)
Greywater		0.5 m ³ /day	Holes in gravel	Burying of holes
Scrap metal	Empty fuel drums	Approx 250		Transported to an approved storage or disposal site

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: Research Licence _____

Administering Agency: ___Nunavut Research Institute_____

Project Activity: ___Geoscience Research_____

Date (expected date) of issuance: January 31th, 2012_ Date of expiry: January 31th, 2015

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.
See section 7 of Appendix A

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

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.

We plan to meet the Hamlet of Pangnirtung and Hunters and trappers organizations in the next few weeks.

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.

Provide a statement of financial responsibility.

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

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

<p>Proposed Start Date: June 2012 and 2013 (month/year)</p>	<p>Proposed Completion Date: June 2012 and 2013 (month/year)</p>
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Proposed Start Date: June 2012 and 2013 Proposed Completion Date: August 2012 and 2013
(month/year) (month/year)

Proposed Start Date: : August 2012 and 2013 Proposed Completion Date: : August 2012 and 2013
(month/year) (month/year)

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

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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): 2 years

Requested Date of Issuance: _June 2012_ Requested Expiry Date: September 2013
(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.

We will use the standardized form.

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 January 31th, 2012

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 **We are a federal government department.**

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 **We are a federal government department.**

28. SIGNATURE

<i>David Mats</i>	<i>Chief Geologist</i>	<i>David Mats</i>	<i>Dec 7, 2011</i>
Name (Print)	Title (Print)	Signature	Date