



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

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## DOCUMENT MANAGEMENT

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### 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)		
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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.

<b>LICENCE NO:</b> (for NWB use only)	
<b>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION</b> (name, address)  Name Erik Madsen, Vice President, Sustainable Development, Health, Safety and Environment  Baffinland Iron Mines Corporation Suite 1016 120 Adelaide Street West Toronto, Ontario M5H1T1  Phone 416.364.8820 (Main) 416.814.3980 (Direct) Fax: 416-364-0193 e-mail: <a href="mailto:erik.madsen@baffinland.com">erik.madsen@baffinland.com</a> (cc jim.millard@baffinland.com)	<b>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</b> if different from Block 1 (name, address)  n/a
<b>3. NAME OF PROJECT</b> (including the name of the project location)  Mary River Site Preparation Project	
<b>4. LOCATION OF UNDERTAKING</b>  <b>Project Extents</b>  NW: Latitude: (72 ° 05 '00 " N) Longitude: ( 77 ° 45'00 " W) NE: Latitude: (72°05 00 " N) Longitude: (81°00'00 " W) SE: Latitude: (69 ° 49'00 " N) Longitude: (81°00'00 " W) SW: Latitude: ( 69 ° 49 ' 00" N) Longitude: (77°45 ' 00" W)  <b>Camp Location(s)</b>  Mary River Mine Site Camp Latitude: ( 71 ° 19 ' 30 " N) Longitude: ( 79 ° 22 ' 40" W) Milne Port Camp Latitude: ( 71 ° 53 ' 00 " N) Longitude: ( 80 ° 54 ' 15" W)	
<b>5. MAP</b> - Attach a topographical map, indicating the main components of the undertaking.	

NTS Map Sheet No.: 37F, 37G, 47H Map Scale: 1:250,000

**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: 1992 Date of expiry: 2013 (currently under renewal)

**Surface**

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

**Land Use Permit N2006C0036 April 3, 2012 – April 3, 2013 (currently under renewal)**

**Land Use Permit N2007F0004 July 4, 2012 – July 4, 2013**

**Quarry Permit 2012QP0065 July 4, 2012 – July 4, 2013**

**Authorization under s. 35(2) of Fisheries Act NU-06-0084 no expiry**

**Letter of Advice dated July 25, 2007 from DFO, File No. NU-06-0084**

**Water Licence – Type B – 2BBMRY1114 April 5, 2011 to April 5, 2014**

☐ 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)

**Inuit Land Use Lease and Quarry Concession (Inuit Owned Lands ) Q10C3001 valid to December 31, 201 (under renewal)**

☐ Commissioner's Land Use Authorization

Date (expected date) of issuance: \_\_\_\_\_ Date of expiry: \_\_\_\_\_

☒ Other: **Exploration agreement with NTI for a land package surrounding Mining Leases 2483, 2484 and 2485**

**Date (expected date) of issuance: 1992 Date of expiry: 2013 (under renewal)**

Name of entity(s) holding authorizations: Baffinland Iron Mines Corporation

**7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

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

☒ North Baffin

☐ South Baffin

☐ Akunnig

☐ Keewatin

☐ Sanikiluaq

☐ West Kitikmeot

	<p>Is a land use plan conformity determination required?</p> <p><input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No</span></p> <p>If Yes, indicate date issued and attach copy 2008 If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.</p>
<b>8.</b>	<p><b>NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION</b></p> <p>Is an Article 12 Part 4 screening determination required?</p> <p>Yes <span style="margin-left: 100px;"><input checked="" type="checkbox"/> No</span></p> <p>Mary River Project Certificate issued in December 2012</p>
<b>9.</b>	<p><b>DESCRIPTION OF UNDERTAKING</b> – List and attach plans and drawings or project proposal.</p> <p>Baffinland Iron Mines Corporation is applying for a new Type B Water Licence so it can start to build some of the fuel tanks, laydown areas and camp pads that will be needed for the Mary River Project. The company will also begin the development of new quarries to provide materials to build these new facilities. The company will also expand the sewage treatment facility at the Milne Port and Mine Site.</p> <p>Specifically, starting in May 2013, Baffinland would like to undertake the following spring- summer construction:</p> <ul style="list-style-type: none"> <li>• Begin development of Quarry Q1 1+100 at Milne Port to generate crushed and screened aggregate for the development of the Milne Port site, and Quarry QMR2 located at the Mary River Mine Site.</li> <li>• Construct camp facility pads at both the Mary River Mine Site and at the Milne Port site , as well as begin installation of construction camps and associated camp facilities.</li> <li>• Begin development of two laydown areas (laydowns A and B) at Milne Port for the storage of equipment and supplies being delivered via the summer sealifts.</li> <li>• Expand existing camp sewage facilities (additional PWSP pond) at Milne Port that will provide additional capacity with respect to the sewage treatment system. Note that these facilities will not be used until the issuance of the Mary River Type A Water Licence.</li> <li>• Expand existing fuel tank secondary containment area at Milne Port.</li> <li>• Construct one additional 5ML diesel fuel storage tank at Milne Port within the existing secondary containment constructed in 2011 (same construction as the existing 5 ML tank). Note that the fuel tank will not be filled until issuance of the Mary River Type A Water Licence.</li> </ul> <p>The facilities proposed to be constructed under this Type B Water Licence were fully considered as part of the Mary River NIRB Project Certificate issued on December 28, 2012. Once issued, the Type A Water Licence relating to the Mary River Project will replace this Type B Water Licence (related to the above construction activities) that is the subject of this application.</p> <p>See attached drawings.</p>
<b>10.</b>	<p><b>OPTIONS</b> – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.</p> <p>There are no other alternatives available for the location of this project, due to the location of the existing mineral deposits and reclamation requirements. Potential alternatives were fully considered during the NIRB environmental assessment culminating in the issuance of the Project Certificate in December 2012.</p>

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

☐ Industrial

☐ Agricultural

**X Mining and Milling (includes exploration/drilling/exploration camps) – Note that only construction activities described in this application will be authorized under the Type B Water Licence. Mining and milling will not occur before the issuance of the Mary River Type A Water Licence.**

☐ Conservation

☐ Municipal (includes camps/lodges)

☐ Power

☐ Recreational

☐ 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

**X Mine Development**

☐ Municipal

☐ General Water Works

☐ Power

**12. 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

**X To alter the flow of, or store water**

☐ Other: \_\_\_\_\_

☐ To divert a watercourse

☐ To modify the bed or bank of a watercourse

☐ Flood control

**Note water may be diverted or held in sumps relating to the planned constructed activities. The existing Type B Water Licence 2BB-MRY1114 will continue to cover water use, as will the Type A Water License once issued.**

**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.

**N/A – stormwater may be held or diverted to sumps relating to facilities.**

**Estimated quantity(s) of water returned to source(s) We are not anticipating we will need to hold water to any great degree. To the extent water is collected, is approximately**

		<p><b>equivalent to volume of water diverted will be released once stormwater is tested and confirmed compliant with Type B Water License terms)</b></p> <p>Describe the quality of water(s) returned to source(s):</p> <p><b>Water pumped out from sumps will meet or exceed water licence effluent quality criteria</b></p>
14.	<p><b>WASTE</b> – 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: 45%;"> <p><input type="checkbox"/> Sewage</p> <p><input type="checkbox"/> 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> </div> <div style="width: 45%;"> <p><input type="checkbox"/> Waste oil</p> <p><input type="checkbox"/> Greywater</p> <p><input type="checkbox"/> Sludges</p> <p><b>X Contaminated soil and/or water (note it is not expected that water or soil will be contaminated to any measurable degree as a result of the activities that are the subject of this application.)</b></p> </div> </div> <p>Other (describe): _____</p>	
15.	<p><b>QUANTITY AND QUALITY OF WASTE INVOLVED</b> – For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.</p> <p><b>n/a – In consideration of the biophysical setting for the project, we do not anticipate generating any waste during the planned activities that are the subject of this application.</b></p>	
16.	<p><b>OTHER AUTHORIZATIONS</b> – 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:</p> <p><b>QIA approval of 2013 work program is pending.</b> <b>Amendment of QIA Quarry Concession Agreement Q10 C3001.</b></p>	
17.	<p><b>PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES</b> - Describe direct, indirect, and cumulative impacts related to water and waste.</p> <p><b>See attached.</b></p>	
18.	<p><b>WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER</b></p> <p>None</p>	
19.	<p><b>INUIT WATER RIGHTS</b></p> <p><b>We do not anticipate the planned activities under application will have any impact on Inuit water rights, but this will be confirmed with QIA.</b></p>	
20.	<p><b>CONSULTATION</b> – 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><b>These facilities were fully considered during the NIRB review process and hearings, culminating in the issuance of the NIRB Project Certificate in December 2013.</b></p>
<p><b>21. SECURITY INFORMATION</b></p>	<p>Security in the amount of \$6,738,216 is currently held in relation to 2BB-MRY0710.</p> <p>Additional security will be posted in respect of the Mary River facilities and will be the subject of submissions during the hearing on the Type A Water Licence scheduled for April 2013.</p>
<p><b>22. FINANCIAL INFORMATION</b></p>	<p>See Appendix 4</p>
<p><b>23. STUDIES UNDERTAKEN TO DATE</b> - List and attach copies of studies, reports, research, etc.</p>	<p>See Mary River Final Environmental Impact Statement and BIMC Application for Type A Water Licence.</p>
<p><b>24. PROPOSED TIME SCHEDULE</b> – Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).</p>	<p><u>Construction</u>  Proposed Start Date: <u>May 1, 2013</u> Proposed Completion Date: <u>Aug. 31, 2013</u>  (month/year) (month/year)</p> <p>For each applicable phase of development indicate which season(s) activities occur.</p> <p><u>Construction</u>  <input type="checkbox"/> Winter    <input checked="" type="checkbox"/> Spring    <input checked="" type="checkbox"/> Summer    <input type="checkbox"/> Fall    <input type="checkbox"/> All season</p>
<p><b>25. PROPOSED TERM OF LICENCE</b></p>	<p>Number of years (maximum of 25 years): <u>1</u> years (to be replaced by Type A Water Licence once issued)</p> <p>Requested Date of Issuance: <u>May/2013</u> Requested Expiry Date: <u>May/2014</u>  (month/year) (month/year)</p> <p>(The requested date of issuance must be <u>at least</u> three (3) months from the date of application for a type B water licence and <u>at least</u> 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 <i>Guide 5: Processing Water Licence Applications</i> for more information)</p>
<p><b>26. ANNUAL REPORTING</b> – If not using the NWB's <i>Standardized Form for Annual Reporting</i>, provide details regarding the content of annual reports and a proposed outline or template of the annual report.</p>	<p><b>BIMC will use the standardized form.</b></p>



**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.

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

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 \_\_\_\_\_

**28. SIGNATURE**

Erik Madsen

Vice-President,  
Sustainable  
Development, Health,  
Safety & Environment



March 11,  
2013

Name (Print)

Title (Print)

Signature

Date