



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

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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)		



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NUNAVUT WATER BOARD

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OFFICE DES EAUX DU NUNAVUT

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) Adil Currimbhoy Rio Algom Exploration Inc. Phone: (713) 826-8026 Fax: e-mail: adil.currimbhoy@bhp.com meagan.fast@bhp.com	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Denise Lockett 1205 Adams Road Bowen Island, BC V0N 1G2 Phone: (604) 340-4756 Fax: e-mail: lockettda@telus.net (Attach authorization letter.)																
3. NAME OF PROJECT (including the name of the project location) Wolverine Project, Victoria Island, Kitikmeot Region of Nunavut																	
4. LOCATION OF UNDERTAKING Project Extents – North Block <table border="0"> <tr> <td>NW: Latitude: (72° 38' 33.027" N)</td> <td>Longitude: (109° 59' 51.046" W)</td> </tr> <tr> <td>NE: Latitude: (72° 38' 2.503" N)</td> <td>Longitude: (108° 29' 1.19" W)</td> </tr> <tr> <td>SE: Latitude: (71° 37' 57.38" N)</td> <td>Longitude: (108° 30' 26.043" W)</td> </tr> <tr> <td>SW: Latitude: (71° 39' 2.424" N)</td> <td>Longitude: (109° 57' 8.995" W)</td> </tr> </table> Project Extents – South Block <table border="0"> <tr> <td>NW: Latitude: (69° 30' 48.924" N)</td> <td>Longitude: (110° 58' 54.463" W)</td> </tr> <tr> <td>NE: Latitude: (69° 31' 8.599" N)</td> <td>Longitude: (108° 28' 27.126" W)</td> </tr> <tr> <td>SE: Latitude: (68° 28' 46.477" N)</td> <td>Longitude: (108° 30' 47.462" W)</td> </tr> <tr> <td>SW: Latitude: (68° 29' 52.831" N)</td> <td>Longitude: (111° 1' 17.135" W)</td> </tr> </table>		NW: Latitude: (72° 38' 33.027" N)	Longitude: (109° 59' 51.046" W)	NE: Latitude: (72° 38' 2.503" N)	Longitude: (108° 29' 1.19" W)	SE: Latitude: (71° 37' 57.38" N)	Longitude: (108° 30' 26.043" W)	SW: Latitude: (71° 39' 2.424" N)	Longitude: (109° 57' 8.995" W)	NW: Latitude: (69° 30' 48.924" N)	Longitude: (110° 58' 54.463" W)	NE: Latitude: (69° 31' 8.599" N)	Longitude: (108° 28' 27.126" W)	SE: Latitude: (68° 28' 46.477" N)	Longitude: (108° 30' 47.462" W)	SW: Latitude: (68° 29' 52.831" N)	Longitude: (111° 1' 17.135" W)
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Camp Location(s)

Latitude: (68 ° 45 ' 16.06" N) Longitude: (109 ° 4 ' 37.67" W)

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

NTS Map **Sheet No.: 077B15 Map Name: Wolverine Camp Location Map Scale: 1:50,000**

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: _____ Date of expiry: _____

Surface

☒ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: **March 5, 2019** Date of expiry: **March 5, 2020**

☒ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: **March 5, 2019** Date of expiry: **March 5, 2020**

☐ 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.

- | | |
|---------------------------------------|-----------------------------------------|
| <input type="checkbox"/> North Baffin | <input type="checkbox"/> Keewatin |
| <input 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.

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 _____

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.

The company would like to conduct airborne geophysical surveys and prospecting over the months of June, July and August of 2019. It is anticipated that work could begin approximately June 1, 2019 on the South Block of the project for approximately 25 days, then move to the Central area for three days, and finally in the Northern Block for five days. The early phase exploration (Mapping, sampling and viewing old drill core) will take place at the Northern Block and personnel will stay in three small pup-tents, and will be helicopter supported. The work on the Southern and Central blocks will be based out of the small temporary exploration camp located on Crown Land. (see map). The airborne geophysical survey will be based out of Cambridge Bay.

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

Alternatives considered included being based out of Cambridge Bay instead of having a small temporary camp and it was deemed impractical.

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

	<p>submitted with a New Water Licence Application. Indicate which SIG(s) are applicable to your application.</p> <ul style="list-style-type: none"> <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 checked="" 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 		
12.	<p>WATER USE - Check the appropriate box(s) to indicate the type(s) of water use(s) being applied for.</p> <p><input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <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: _____ </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> To divert a watercourse <input type="checkbox"/> To modify the bed or bank of a watercourse <input type="checkbox"/> Flood control </td> </tr> </table>	<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: _____	<input type="checkbox"/> To divert a watercourse <input type="checkbox"/> To modify the bed or bank of a watercourse <input type="checkbox"/> Flood control
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13.	<p>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.</p> <p>Name of water source(s) (show location(s) on map):</p> <p>Local water bodies, close to the temporary camp, that do not freeze to the bottom</p> <p>Describe the quality of the water source(s) and the available capacity:</p> <p>Fresh water for camp use, with careful attention to not over-using or depleting the source.</p> <p>Provide the overall estimated quantity of water to be used: 1-2 m³/day</p> <p>Provide the estimated quantity(s) of water to be used from each source: 1-2 m³/day</p> <p>Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) 1-2 m(3)/day for camp use – drinking water, cooking, bathing, laundry</p> <p>Describe the method of extraction(s): electric pump and hose from the water source</p> <p>Estimated quantity(s) of water returned to source(s) 1-2 m³/day</p> <p>Describe the quality of water(s) returned to source(s): Grey water from Shower/laundry and kitchen use will be buried in a sump for natural filtration to the source</p>		
14.	<p>WASTE – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.</p>		

<p>X Sewage X Solid Waste X Hazardous <input type="checkbox"/> Bulky Items/Scrap Metal <input type="checkbox"/> Animal Waste <input type="checkbox"/> Other (describe): _____</p>	<p>X Waste oil X Greywater <input type="checkbox"/> Sludges <input type="checkbox"/> Contaminated soil and/or water</p>
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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	Human sewage	Unknown	Buried in latrines	Buried in latrines
Grey water	Shower, laundry, kitchen water	Unknown	Buried in a sump	Buried in a sump
Combustable waste	paper, inert waste	Unknown but expected to be minimal	Burned in an incinerator or transported back to Cambridge Bay in sealed 45 gallon drums for disposal	Burned in an incinerator or transported back to Cambridge Bay in sealed 45 gallon drums for disposal
Hazardous waste/waste oil	Used oil containers	Unknown but expected to be minimal	Transported back to Cambridge Bay	Transported to Yellowknife for proper disposal

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 related to water and waste.

Wildlife monitors will be hired from Kugluktuk and Cambridge Bay to advise and direct the exploration crew on timing and mitigation measures should wildlife be in the exploration area. All efforts will be made to ensure the camp is kept clean to minimize wildlife encounters. No harassment of wildlife is a part of the Standard Operating Procedures.

18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER

	<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>
19. INUIT WATER RIGHTS	<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. CONSULTATION –	<p>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>See attached consultation log.</p>
21. SECURITY INFORMATION	<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>
22. FINANCIAL INFORMATION	<p>Provide a statement of financial responsibility. Attached</p> <p>If the applicant is a business entity, provide a list of the officers of the company. President – Adil Currimbhoy</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. Attached</p>
23. STUDIES UNDERTAKEN TO DATE -	<p>List and attach copies of studies, reports, research, etc.</p>

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

Operation

Proposed Start Date: June 1, 2019/2020 **Proposed Completion Date: Aug 31, 2019/2020**
(month/year) (month/year)

Closure

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

Post - Closure

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

Requested Date of Issuance: **April 2019** Requested Expiry Date: **September 2020**
(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

<p>report.</p>								
<p>27. CHECKLIST – The following must be included with the application for the water licensing process to begin.</p> <p>Written confirmation from the NPC confirming that NPC's requirements regarding land use plan conformity have been addressed.</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>Written confirmation from the NIRB confirming that NIRB's requirements regarding development impact assessment have been addressed.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No If no, date expected _____</p> <p>Completed General Water Licence Application form.</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>English Summary of Application.</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>Inuktitut and/or Inuinnaqtun Summary of Application.</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>Application Fee of \$30.00 CDN (Payee Receiver General for Canada).</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>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.</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p>								
<p>28. SIGNATURE</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; text-align: center; border-bottom: 1px solid black;">Adil Currimbhoy</td> <td style="width: 25%; text-align: center; border-bottom: 1px solid black;">Director</td> <td style="width: 25%; text-align: center; border-bottom: 1px solid black;"></td> <td style="width: 25%; text-align: center; border-bottom: 1px solid black;">27 March 2019</td> </tr> <tr> <td style="text-align: center;">Name (Print)</td> <td style="text-align: center;">Title (Print)</td> <td style="text-align: center;">Signature</td> <td style="text-align: center;">Date</td> </tr> </table>	Adil Currimbhoy	Director		27 March 2019	Name (Print)	Title (Print)	Signature	Date
Adil Currimbhoy	Director		27 March 2019					
Name (Print)	Title (Print)	Signature	Date					