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

Document Date: May 2011

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Month/Day/Year

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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)		
(4)		
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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.

LICENCE NO: (for NWB use only)	
1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address) Hamlet of Arviat PO BOX 150, Arviat, Nunavut, X0C 0E0 Attn. John Main Phone: 867-857-2941 Fax: 867-857-2519 e-mail: arviatcedo@qiniq.com	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) Arviat Surface Diamond Driller Training Program	
4. LOCATION OF UNDERTAKING Project Extents NW: Latitude: (61 ° 05 ' 60 " N) Longitude: (94 ° 03 ' 37" W) NE: Latitude: (61° 05' 60 " N) Longitude: (94 ° 03' 00" W) SE: Latitude: (61 ° 05 ' 12" N) Longitude: (94 ° 03' 00" W) SW: Latitude: (61° 05' 12" N) Longitude: (94 ° 03' 20" W) Camp Location(s) Latitude: (° ' " N) Longitude: (° ' " W)	
5. MAP - Attach a topographical map, indicating the main components of the undertaking. NTS Map Sheet No.: <u>55E1</u> Map Name: <u>Eskimo Point</u> Map Scale: <u>1:50,000</u>	
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 (applied for)

Date (expected date) of issuance: Sept. 2011 Date of expiry: Dec. 2016

☐ Other: _____

Date (expected date) of issuance: _____ Date of expiry: _____

Name of entity(s) holding authorizations: Hamlet of Arviat

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. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

	<p>Is an Article 12 Part 4 screening determination required?</p> <p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, indicate date issued and attach copy (applied for) 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>Field practice area for surface diamond drilling training. See attached project description and plan</p>		
10.	<p>OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.</p> <p>None 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 style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Industrial <input type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps) <input type="checkbox"/> Conservation <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Agricultural <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below): <u>Training in surface diamond drilling techniques</u> </td> </tr> </table> <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> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <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 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 </div>	<input type="checkbox"/> Industrial <input type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps) <input type="checkbox"/> Conservation <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below): <u>Training in surface diamond drilling techniques</u>
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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 style="width: 50%; vertical-align: top;"> <input type="checkbox"/> To obtain water for camp/ municipal purposes <input checked="" 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 camp/ municipal purposes <input checked="" 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</p>		

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):

Two unnamed ponds adjacent to drill practice sites and municipal water reservoir.

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

The pond water is not used for potable water and ponds are not deep enough for fish habitat. Site 1 pond contains a minimum of 20,000 cu m, Site 2 pond contains a minimum of 100,000 cu m. Water from reservoir is potable.

Provide the overall estimated quantity of water to be used: 25 m³/day

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

Estimate a maximum of 1,250 cum per year total. Depending on conditions, up to 625 cu m from municipal reservoir and balance from two ponds.

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

Drilling only

Describe the method of extraction(s):

For ponds a small portable water pump and hoses to drill site. For municipal water, by truck.

Estimated quantity(s) of water returned to source(s):

0 m³/day. Water with suspended sand/rock flour to be allowed to drain in sump or in quarry floor

Describe the quality of water(s) returned to source(s): N/A

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

☒ Sewage

☒ Solid Waste

☐ Hazardous

☐ Bulky Items/Scrap Metal

☐ Animal Waste

☐ Other (describe): _____

☒ Waste oil

☐ Greywater

☒ Sludges

☐ Contaminated soil and/or water

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
Sludge	Water and sand/rock flour	50 cu m solids per year maximum	Allowed to drain in sump	Solids to gravel pit
Sewage	Human waste	Less than 200 litres per year	none	Removed to municipal sewage lagoon

Solid waste	Food/ beverage containers	30 litres per day	none	Removed to municipal disposal site
Used lubricants	Used lubricants and lubricant containers, filters	20 litres per day	none	Disposed with used municipal lubricants

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.

No significant impacts identified.

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.

None

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 pay compensation for any loss or damage has been reached with one or more Designated Inuit Organization (DIO).

None.

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.

Training program Advisory Group meeting held in Arviat July 19, 2011. Participants included Hamlet of Arviat, Kivalliq Inuit Association, Kivalliq Mine Training Society, Nunavut Arctic College, Norther

	<p>College (Ontario), Agnico-Eagle Mines, Orbit Garant and Boart Longyear.</p> <p>Inspection of proposed site locations. Discussion and agreement on sites, schedule, equipment, access, water quantity, sources and disposal</p>
21.	<p>SECURITY INFORMATION</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>N/A</p>
22.	<p>FINANCIAL INFORMATION</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> <p>N/A</p>
23.	<p>STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.</p> <p>Arviat Diamond Driller Training Program proposal (June, 2011)</p>
24.	<p>PROPOSED TIME SCHEDULE – 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: Sept, 2011 Proposed Completion Date: Sept. 2011 (month/year) (month/year)</p> <p><u>Operation</u> (two courses per year @ 5 weeks each) Proposed Start Date: Oct, 2011 Proposed Completion Date: Dec. 2016 (month/year) (month/year)</p> <p><u>Closure</u> Proposed Start Date: Dec 2016 Proposed Completion Date: Dec 2016 (month/year) (month/year)</p> <p><u>Post – Closure</u> (final inspection/clean-up after spring thaw) Proposed Start Date: May 2017 Proposed Completion Date: June 2017 (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 type="checkbox"/> Spring <input type="checkbox"/> Summer <input checked="" type="checkbox"/> Fall <input type="checkbox"/> All season</p> <p><u>Operation</u> <input type="checkbox"/> Winter <input type="checkbox"/> Spring <input type="checkbox"/> Summer <input checked="" type="checkbox"/> Fall <input checked="" type="checkbox"/> All season (two per year courses at 5 weeks</p>

each – seasons will vary)

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 years**

Requested Date of Issuance: **September, 2011** Requested Expiry Date: **December 2016**
(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.

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: **not applicable**

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

☐ Yes ☒ No If no, date expected **Sept, 2011**

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 **N/A**

English Summary of Application.

<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 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 <u>Aug 15, 2011</u>
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 <u>Aug 15, 2011</u>

28. SIGNATURE			
JOHN MAIN	ECONOMIC DEVELOPMENT OFFICER		27.07.2011
_____ Name (Print)	_____ Title (Print)	_____ Signature	_____ Date