



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

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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)		



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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) Grant Mourre HTX Mineral Corporation 410 Falconbridge Road, Unit 5 Sudbury, Ontario P3A 4S4 Phone: (705) 669-1777 ex.207 Fax: (705) 669-1100 e-mail: gmourre@htxminerals.com	2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address) Andrew Turner APEX Geoscience Ltd. Suite 200, 9797 – 45 Ave Edmonton, AB T6E 5V8 Phone: (780) 439-5380 Fax: (780) 433-1336 e-mail: andrewrt@apexgeoscience.com (Attach authorization letter.)
3. NAME OF PROJECT (including the name of the project location) Itchen Lake (IOL CO-05) and Contwoyto Lake (Article 41 Lands) Projects	
4. LOCATION OF UNDERTAKING Itchen lake Project Extents: activities for the Itchen Lake Property will only be performed within the boundaries of the Claims held in the name of HTX Minerals Corp. and solely within the Nunavut Territory NW: Latitude: (65°42' 9" N) Longitude: (112° 44' 19" W) NE: Latitude: (65° 42' 53" N) Longitude: (111° 59' 45" W) SE: Latitude: (65° 34' 55" N) Longitude: (111° 59' 34" W) SW: Latitude: (65° 35' 10" N) Longitude: (112° 44' 17" W) Contwoyto Lake Project Extents: Contwoyto Project activities will only occur within Article 41 Lands NW: Latitude: (65°22' 25" N) Longitude: (110° 48' 12" W) NE: Latitude: (65° 22' 22" N) Longitude: (110° 29' 33" W) SE: Latitude: (65° 11' 54" N) Longitude: (110° 29' 45" W) SW: Latitude: (65° 11' 56" N) Longitude: (110° 48' 16" W) Camp Location(s): Camp to be located on Itchen Lake Property (CO-05). Latitude: (65° 38' 58" N) Longitude: (112° 10' 43" W)	

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

Itchen Lake Property

NTS Map Sheet No.: 86H Map Name: Point Lake Map Scale: 1:250,000
86H 09 Northwest Territories 1:50,000
86H 10 Northwest Territories 1:50,000

Contwoyto Lake Property

NTS Map Sheet No.: 076E Map Name: Contwoyto Lake Map Scale: 1:250,000
076E02 Northwest Territories 1:50,000
076E07 Northwest Territories 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: _____

☒ Inuit Owned Land (IOL): Contwoyto Property (Article 41 Lands):
Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: pending July 2013 Date of expiry: _____

Surface

☒ Crown Land Use: Itchen lake Property:
Authorization from Aboriginal and Northern Development Canada (AANDC)
Date (expected date) of issuance: pending July 2013 Date of expiry: _____

☒ Inuit Owned Land (IOL): Itchen lake and Contwoyto Lake (Article 41 Lands) Properties:
Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: pending July 2013 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: NIRB Screening Decision
Date (expected date) of issuance: pending July 2013 Date of expiry: _____

Name of entity(s) holding authorizations: HTX Minerals Corporation

7.	<p>NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION</p> <p>Indicate the land use planning area in which the project is located</p> <p>Itchen Lake Property in NU and Contwoyto Property (Article 41 Lands) in NT</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> North Baffin</td> <td><input type="checkbox"/> Keewatin</td> </tr> <tr> <td><input type="checkbox"/> South Baffin</td> <td><input type="checkbox"/> Sanikiluaq</td> </tr> <tr> <td><input type="checkbox"/> Akunnig</td> <td><input checked="" type="checkbox"/> West Kitikmeot</td> </tr> </table> <p>Is a land use plan conformity determination required?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, indicate date issued and attach copy _____</p> <p>If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required. Article 41 Lands are located in NT, therefore not within either the North Baffin Regional Land Use Plan nor the Keewatin Regional Land Use Plan. The Itchen Lake Property is in NU but is in Kitikmeot Region so again is not part of a Regional Land Use Plan. See attached email correspondence from Christopher Ticker (Senior planner, NPC) dated Feb. 28, 2013</p>	<input type="checkbox"/> North Baffin	<input type="checkbox"/> Keewatin	<input type="checkbox"/> South Baffin	<input type="checkbox"/> Sanikiluaq	<input type="checkbox"/> Akunnig	<input checked="" type="checkbox"/> West Kitikmeot
<input type="checkbox"/> North Baffin	<input type="checkbox"/> Keewatin						
<input type="checkbox"/> South Baffin	<input type="checkbox"/> Sanikiluaq						
<input type="checkbox"/> Akunnig	<input checked="" type="checkbox"/> West Kitikmeot						
8.	<p>NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION: Currently under review</p> <p>Is an Article 12 Part 4 screening determination required?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, indicate date issued and attach copy _____</p> <p>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>Project Summaries</p> <p><u>Itchen lake:</u></p> <p>The proposed exploration program includes airborne and ground geophysical programs, prospecting, mapping, construction of a 10-15 person seasonal camp and a small drilling program (max 10 drillholes at 8 sites).</p> <p><u>Contwoyto Lake (Article 41 Lands):</u></p> <p>The proposed exploration program includes airborne and ground geophysical programs, prospecting, mapping and possibly 1 or 2 diamond drillholes may be completed at the time of the Itchen lake Project. No camp will be built on the Contwoyto Project. The camp and fuel at Itchen Lake will be utilized.</p> <p>For more detailed descriptions of the Projects, please see attached Non-Technical Report, Detailed Exploration Schedule, Abandonment and Restoration Plan, Environmental Plan, Fuel Management Plan, Spill Prevention and Response Plan, Fuel Inventory List, Equipment List, Figure 1 (2013 Itchen Lake Proposed Exploration Program), Figure 2 (2013 Contwoyto Lake Proposed Exploration Program), Figure 3 (Itchen Lake Property Proposed Camp Setup) and Figure 3 (Protected and Sensitive Areas).</p>						
10.	<p>OPTIONS – Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.</p> <p>The exact drilling locations are yet to be determined as additional reconnaissance work (including but not limited to prospecting, geochemical sampling, airborne and ground geophysical surveys) need to be performed to delineate the targets. Once the targets are identified there are no other options to test the subsurface (besides those which are more costly and would cause more ground disturbance, ie. trenching).</p>						

11. 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 |
| X Mining and Milling (includes exploration/drilling/exploration camps) | |
| <input type="checkbox"/> Conservation | |
| <input 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.

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

- | | |
|---|---|
| <input type="checkbox"/> To obtain water for camp/ municipal purposes | |
| <input type="checkbox"/> To obtain water for industrial purposes | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To cross a watercourse | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input type="checkbox"/> To alter the flow of, or store water | <input type="checkbox"/> Flood control |
- X Other: Diamond Drilling**

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):

For drilling purposes the water sources will be from numerous lakes, ponds and streams. For the camp, the water source will be Leanne Lake. See attached Figure 1 (2013 Itchen Lake Proposed Exploration Program) Figure 2 (2013 Contwoyto Lake Proposed Exploration Program) and Figure 3 (Itchen Lake Property Proposed Camp Setup).

Describe the quality of the water source(s) and the available capacity: **As the camp water will be drawn from the large Leanne Lake, in the southwest corner of the Itch 19 claim, the available capacity is excessive. The diamond drill will source water from proximal lakes, streams and ponds that are large enough to handle the required usage (and then some). All water to be used is natural (including river and runoff water) and is naturally recharged. There will be no change to the quality or capacity of the water sources.**

Provide the overall estimated quantity of water to be used: **up to 60m³/day**

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

The camp will draw up to 25m³ per day from Leanne Lake and the drill will use up to 35m³ per day from the numerous sources.

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.)
1 Diamond Drill - 35m³ water per drill per day
10-15 man camp – 25m³ water per day.

Describe the method of extraction(s): **Use of a water pump with mesh cover to extract water with water sent to a holding tank.**

Estimated quantity(s) of water returned to source(s): **60m³/day**

Describe the quality of water(s) returned to source(s): **Pristine**

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
Sewage	Excrement	Max 10-12 people in varying amounts over 10-12 weeks	Pacto bags stored in sealed containers	Transported to Yellowknife
Greywater	Domestic wastewater from camp (ie. shower, kitchen)	camp max daily water usage of 25m ³ /day	All soaps and cleaners used in camp will be non-toxic and biodegradable	Greywater will be directed to a sump (or natural depression) at a minimum of 30m from any high water mark of any water body
Solid Waste (combustible)	Paper, cardboard, untreated wood and natural fibers	Amount generated by max 10-12 people in varying amounts over 10-12 weeks	Burned in a modified burn-barrel	All remaining ash will be transported to Yellowknife
Solid Waste	Empty plastic or metal containers, food, etc	Amount generated by max 10-12 people in varying amounts over 10-12 weeks	Stored and removed	Transported to Yellowknife
Hazardous.		None to minimal	Stored in sealed containers	Transported to Yellowknife
Waste Oil	Used oil	minimal	Stored in sealed containers	Transported to Yellowknife
Contaminated soils and/or water	Hydrocarbons	None to minimal	Stored in sealed containers	Transported to Yellowknife

16.	<p>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: N/A</p> <p>Authorization: _____</p> <p>Administering Agency: _____</p> <p>Project Activity: _____</p> <p>Date (expected date) of issuance: _____ Date of expiry: _____</p>
17.	<p>PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES - Describe direct, indirect, and cumulative impacts related to water and waste.</p> <p>No significant impacts are foreseen. Proper training for all HTX and APEX staff as well as all contractors will be enforced to ensure the wellbeing of the environment, wildlife and personnel. Spill Prevention and Response, Environmental and Fuel Management Plans will be reviewed and followed by all.</p>
18.	<p>WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER</p> <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.	<p>INUIT WATER RIGHTS</p> <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.	<p>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.</p> <p>HTX Minerals plans to hold community meetings in Kugluktuk (and potentially Bathurst Inlet) prior to the initiation of any fieldwork.</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>Please see attached Abandonment and Restoration Plan.</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

Provide a statement of financial responsibility.

See attached "HTX Financial Statements – CONFIDENTIAL" document

If the applicant is a business entity, provide a list of the officers of the company.

See attached "HTX List of Directors" document

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

See attached "HTX Certificate of Corporate Registration" document

23. STUDIES UNDERTAKEN TO DATE - List and attach copies of studies, reports, research, etc.

See attached "Technical Report for the Itchen Property, Nunavut/Northwest Territories, Canada." Dated: November 30, 2012

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: **July 2013 (or as soon as authorization can be granted)**

Proposed Completion Date: **For 2013 Program: October**

(month/year)

(month/year)

Operation: Seasonally from 2013 to 2018

Proposed Start Date: **March**

Proposed Completion Date: **October**

(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): **5** years

Requested Date of Issuance: **July 2013**
(month/year)

Requested Expiry Date: **October 2018**
(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 <u>Standardized Form for Annual Reporting</u> , provide details regarding the content of annual reports and a proposed outline or template of the annual report. Will use the NWB's <u>Standardized Form for Annual Reporting</u>								
27.	CHECKLIST – The following must be included with the application for the water licensing process to begin. <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 X No If no, date expected: July, 2013 _____</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. (Non-Technical Report)</p> <p>X Yes <input type="checkbox"/> No If no, date expected _____</p> <p>Inuktitut and/or Inuinnaqtun Summary of Application. (Non-Technical Report)</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>								
28.	SIGNATURE <table style="width: 100%; border: none;"> <tr> <td style="width: 25%; text-align: center; vertical-align: bottom;"> Andrew Turner </td> <td style="width: 25%; text-align: center; vertical-align: bottom;"> Principal and Senior Geologist APEX Geoscience Ltd. </td> <td style="width: 25%; text-align: center; vertical-align: bottom;">  </td> <td style="width: 25%; text-align: center; vertical-align: bottom;"> April 5, 2013 </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>	Andrew Turner	Principal and Senior Geologist APEX Geoscience Ltd.		April 5, 2013	Name (Print)	Title (Print)	Signature	Date
Andrew Turner	Principal and Senior Geologist APEX Geoscience Ltd.		April 5, 2013						
Name (Print)	Title (Print)	Signature	Date						