



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)	Update NWB logo	April 2013
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



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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)									
<b>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION</b> (name, address) <b>Tundra Copper Corporation</b> <b>654-999 Canada Place</b> <b>Vancouver, BC V6C 3E1</b>  Phone: <u>(604)669-6446</u> Fax: _____ e-mail: _____	<b>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</b> if different from Block 1 (name, address) <b>Scott Close</b> <b>902 N Wallace Ave, Ste A</b> <b>Bozeman, MT 59718</b>  Phone: <u>(833)463-7497</u> Fax: _____ e-mail: <u>scott@ethosgeo.com</u> (Attach authorization letter)								
<b>3. NAME OF PROJECT</b> (including the name of the project location) Coppermine River Drilling Program, Coppermine River, West Kitikmeot Region, Nunavut									
<b>4. LOCATION OF UNDERTAKING</b>  <b>Project Extents</b>  <table> <tr> <td>NW: Latitude: ( 67 ° 49' 16.06" N)</td> <td>Longitude: (116° 41' 20.18 " W)</td> </tr> <tr> <td>NE: Latitude: ( 67 ° 47' 15.10" N)</td> <td>Longitude: (115° 01 ' 32.22" W)</td> </tr> <tr> <td>SE: Latitude: (67 °25 ' 31.19" N)</td> <td>Longitude: (116°23' 32.15" W)</td> </tr> <tr> <td>SW: Latitude: (67 ° 25 ' 31.18 " N)</td> <td>Longitude: ( 116° 27 '45.58" W)</td> </tr> </table>  <b>Camp Location(s)</b>  Latitude: <b>(67° 26' 25.15" N)</b> Longitude: <b>(116° 25' 28.09" W)</b>		NW: Latitude: ( 67 ° 49' 16.06" N)	Longitude: (116° 41' 20.18 " W)	NE: Latitude: ( 67 ° 47' 15.10" N)	Longitude: (115° 01 ' 32.22" W)	SE: Latitude: (67 °25 ' 31.19" N)	Longitude: (116°23' 32.15" W)	SW: Latitude: (67 ° 25 ' 31.18 " N)	Longitude: ( 116° 27 '45.58" W)
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SW: Latitude: (67 ° 25 ' 31.18 " N)	Longitude: ( 116° 27 '45.58" W)								
<b>5. MAP</b> - Attach a topographical map, indicating the main components of the undertaking.  <b>See attached topographical map.</b>									

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: \_\_\_\_\_

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

☐ xOther: **All applications are currently under NPC and NIRB review.**  
Date (expected date) of issuance: **Under review** Date of expiry: **Unknown**

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 checked="" type="checkbox"/> West Kitikmeot

Is a land use plan conformity determination required?

☒ xYes ☐ No

If Yes, indicate date issued and attach copy \_\_\_\_NPC conformity review is pending\_\_\_\_

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?

☐ xYes

☐ No

If Yes, indicate date issued and attach copy \_\_\_\_NIRB screen decision pending\_\_\_\_

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 proposed program for Tundra Copper Corp. is a small phase 1 exploration program that will take place in the late summer of 2024. The program will consist of a small drilling program to explore the extent of a recent copper mineral discovery as well as occurrences found in the 19060's and earlier, as well as some field mapping to further future exploration in the area. Drilling will consist of a yet-to-be-determined number of drill holes carried out with a drill capable of drilling to a depth of 450m. Drills will be moved from each site by helicopter. The work program will be undertaken entirely within the area of Tundra Copper Corp.'s mineral claims. Hope Lake Airstrip will be used as a base for exploration activities as well as the campsite for the drill program personnel.**

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

**The proposed 2024 exploration program includes minor impact activities that are consistent with drilling and geological field mapping.**

**There are no alternatives to the proposed project activities that have been described.**

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

☐ Industrial

☐ Agricultural

☐ xMining 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

☒ 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
<b>12.</b>	<b>WATER USE</b> - 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>
<b>13.</b>	<b>QUANTITY AND QUALITY OF WATER INVOLVED</b> - 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): <b>Local Lakes by water pump (Crown Lands), dependent on drill hole location</b>  Describe the quality of the water source(s) and the available capacity: <b>Water quality is predicted to be in pristine condition. Water will be drawn from water bodies with sufficient capacity to accommodate the proposed usage quantity without impact to lake level or flow rates.</b> Provide the overall estimated quantity of water to be used: <b>21 m<sup>3</sup>/day</b>  Provide the estimated quantity(s) of water to be used from each source: <b>18 m<sup>3</sup>/day for drills</b> <b>3 m<sup>3</sup>/day for campsite</b> Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.) <b>50 galls (10 people per day) and 18 m<sup>3</sup>/day for drills</b>  Describe the method of extraction(s): <b>A portable water pump will be used to pump water to a camp storage tank at Hope Lake Airstrip for the temporary campsite. The pump will be operational for approximately 15 minutes per day.</b>  <b>A water pump will be used to pump water from natural water sources at each drill site for drill use. The pump will be operational the entirety of the drill use.</b>  Estimated quantity(s) of water returned to source(s) <b>None.</b>  Describe the quality of water(s) returned to source(s): <b>No water will be returned directly to the source. Waste water will be discharged to a grey water solids recovery unit (SRU) for slow infiltration into the surrounding soils. Water recovered will be filtered and will be returned to the surface. It is very unlikely that water will be returned to the original source. The wastewater sump will be located at least 31 meters away from any water source.</b>
<b>14.</b>	<b>WASTE</b> – Check the appropriate box(s) to indicate the types of waste(s) generated and deposited.

- |   |   |
|---|---|
| <input type="checkbox"/> <b>x</b> Sewage                  | <input type="checkbox"/> <b>x</b> Waste oil             |
| <input type="checkbox"/> <b>x</b> Solid Waste             | <input type="checkbox"/> <b>x</b> Greywater             |
| <input type="checkbox"/> <b>x</b> Hazardous               | <input type="checkbox"/> Sludges                        |
| <input type="checkbox"/> <b>x</b> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste                     |   |
| <input type="checkbox"/> Other (describe): _____          |   |

**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
Solid Waste	Combustibles Non-combustibles/ plastics	~0.1m <sup>3</sup> /day	Containment	205 L ash drums and bulk bag of plastics shipped off site to authorized facility
Waste Oil	Oils from generators, helicopters	~0.1 m <sup>3</sup> /day	Containment	205 L drums and shipped off site to authorized facility
Grey water	Shower/sink water	<3m <sup>3</sup> /day	Weeping Bed	Weeping bed
Hazardous	Solvents, batteries, sorbents, light bulbs	Minimal	Collect in original container	Shipped off site to authorized facility
Sewage	Human Waste	~0.05 m <sup>3</sup> /day (<10 people for 6 weeks)	Lime-treated pit infilled or bags incinerated	Latrine pit or Pacto toilet bags incinerated and ash collected for proper disposal
Empty Drums	Fuel drums; diesel, propane, gasoline	Up to 5 drums/day	Drained, air dried	Shipped off site to the supplier or accredited recycling facility
Bulky Items	Scrap metal, mechanical equipment, electronics	Unknown	Collected in designated area	Shipped off site 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: **N/A** \_\_\_\_\_

Administering Agency: **N/A** \_\_\_\_\_

Project Activity: **N/A** \_\_\_\_\_

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.

**This drilling program utilizes small local lakes to supply water to drills and a single temporary camp located at Hope Lake. Water will be sourced from water bodies with sufficient capacity to accommodate the proposed usage quantity without impact to lake bodies or water flow.**

**This is a small drilling program and no impact on the environment, resources, or wildlife is foreseen. No effects on lands, flora, or fauna are foreseen.**

**The project is not near any sensitive or important habitat areas. All drill sites are over \_\_\_\_ km from major rivers or lakes and at least 31 m from any streams or ponds. The drill sites are not near eskers or communities and are not near any known historical/archeological sites.**

**Mitigation measures are in place to minimize the environmental impacts of potential spills. All spills will be treated as per the 'Spill Contingency Plan'. Approved mitigations and SOPs for water use and wastewater management will be applied to Tundra Copper Corp.'s Coppermine River Property.**

**No wastes enter any water bodies. This includes discharge from the camp and grey water containers. The grey water container will be located at least 31 meters from the high-water mark of a water body and will be inspected regularly. Water use is recorded for the domestic camp water daily.**

**The Coppermine River Property is not expected to impact fish or fish habitats.**

**A water quality monitoring program will be established to generate baseline water quality data in areas of active drilling. Sample sites will be chosen on representative water bodies that focus on exploration sites.**

**In addition to the mitigation measures outlined above, the exploration program will not influence the following environmental topics: Geological structures, vegetation species, or wildlife.**

**With mitigation measures and SOPs in place, there are no significant impacts or cumulative effects anticipated as a result of Tundra Copper's water use and wastewater management at the Coppermine River Property.**

**Refer to the 'Waste Management Plan', 'Fuel Spill Contingency Plan' and the 'Abandonment and Restoration Plan' for additional information.**

**Predicted environmental and wildlife impacts and proposed mitigation measures are outlined in detail in the 'Environmental and Wildlife Management Plan' attached to the end of this document'.**

**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.



	<p><b>N/A</b></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> <p><b>N/A</b></p>
<p><b>19.</b></p>	<p><b>INUIT WATER RIGHTS</b></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> <p><b>There will be no substantial effect of the quality, quantity or flow of waters flowing through the project area.</b></p>
<p><b>20.</b></p>	<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>21.</b></p>	<p><b>SECURITY INFORMATION</b></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><b>Exploration activities are moderate. Drills and other mechanical equipment required for exploration will be removed once work at target area has been completed. Progressive reclamation related to activities will be conducted; i.e replacing overburden or soil moved during the placement of the drill or drilling with care taken to ensure any topsoil is set aside to be replaced on top of fill.</b></p> <p><b>Upon final abandonment and restoration, temporary camps and structures will be dismantled and fully reclaimed. The cost to reclaim the temporary is estimated to be \$50,000, which includes a \$5,000 contingency.</b></p>
<p><b>22.</b></p>	<p><b>FINANCIAL INFORMATION</b></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><b>23.</b></p>	<p><b>STUDIES UNDERTAKEN TO DATE</b> - List and attach copies of studies, reports, research, etc.</p> <p><b>Please see attached Assessment Report from Tundra Copper Corp. for the 2024 geophysical survey conducted on February 6<sup>th</sup> and 7<sup>th</sup>.</b></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: 07/2024 Proposed Completion Date: 07/2024  
(month/year) (month/year)

Operation

Proposed Start Date: 07/2024 Proposed Completion Date: 10/20/24  
(month/year) (month/year)

Closure

Proposed Start Date: 10/2024 Proposed Completion Date: 10/2024  
(month/year) (month/year)

Post - Closure

Proposed Start Date: 10/2024 Proposed Completion Date: 10/2024  
(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: 05/2024 Requested Expiry Date: 05/2029  
(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.

**Tundra Copper Corp. will use the NWB's Standardized Form for Annual Reporting and will include water related monitoring results, an outline of actions implemented at the suggestion of NIRB, and any actions taken in response to direction by the Land Use Inspector.**

**This will include wildlife, environmental, fuel spills, waste management, and reclamation reports.**

**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 ☒ x No If no, date expected \_\_\_April 6, 2024\_\_\_\_\_

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


☐ Yes ☒ x No If no, date expected \_\_\_April 6, 2024\_\_\_\_\_

Completed General Water Licence Application form.

<input checked="" type="checkbox"/> <b>x</b> Yes	<input type="checkbox"/> No	If no, date expected _____
Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 11)		
<input type="checkbox"/> <b>x</b> Yes	<input type="checkbox"/> No	If no, date expected _____
English Summary of Application.		
<input type="checkbox"/> <b>x</b> Yes	<input type="checkbox"/> No	If no, date expected _____
Inuktitut and/or Inuinnaqtun Summary of Application.		
<input type="checkbox"/> <b>x</b> Yes	<input type="checkbox"/> No	If no, date expected _____
Application Fee of \$30.00 CDN (Payee Receiver General for Canada).		
<input type="checkbox"/> <b>x</b> Yes	<input type="checkbox"/> 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.		
<input type="checkbox"/> <b>x</b> Yes	<input type="checkbox"/> No	If no, date expected _____

**28. SIGNATURE**

<b>Scott Close</b>	<b>President of Ethos Geology, M.Sc, P. Geo</b>		<b>March 8<sup>th</sup>, 2024</b>
Name (Print)	Title (Print)	Signature	Date