



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

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P.O. BOX 119
GJOAHAVEN, NUNAVUT
XOB 1J0
TEL: (867)360-6338
FAX: (867)360-6369

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NUNAVUTIMALIRIYINKATIMAYIT
NUNAVUTWATERBOARD
OFFICE DES EAUX DU NUNAVUT

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)		
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(7)		
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(9)		
(10)		



P.O. Box 119

GJOA HAVEN, NU X0B 1J0

TEL: (867) 360-6338

FAX: (867) 360-6369

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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)	
<p>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION (name, address)</p> <p>Nunavut Nukkiksautiit Corp. (NNC) 200-5300 Qulliq Court Iqaluit, NU X0A 2H0 Phone: <u>709-699-6079</u> Fax: _____ e-mail: <u>jbyrne@Qcorp.ca</u></p>	<p>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION if different from Block 1 (name, address)</p> <p>Shelly Brown Sikumiut Environmental Management (SEM) 79 Mews Place St. John's, NL A1B 4N2 Phone: <u>709-277-0675</u> Fax: _____ e-mail: <u>shelly.brown@semtd.ca</u> (Attach authorization letter.)</p>
<p>3. NAME OF PROJECT (including the name of the project location)</p> <p>Investigate Studies for the Iqaluit Nukkiksautiit Project (INP)</p>	
<p>4. LOCATION OF UNDERTAKING</p> <p>Project Extents</p> <p>NW: Latitude: (64 °15 '13.3" N) Longitude: (68 °08 '30.6" W) NE: Latitude: (64 °13 '28.8" N) Longitude: (66 °49 '22.4" W) SE: Latitude: (64 °05 '33.1" N) Longitude: (67 °44 '25.5" W) SW: Latitude: (63 °46 '17.2" N) Longitude: (68 °33 '22.7" W)</p> <p>Camp Location(s)</p> <p>Latitude: (64 °11 '33.6" N) Longitude: (67 °58 '43.4" W)</p>	
<p>5. MAP - Attach a topographical map, indicating the main components of the undertaking. Please see Attached</p> <p>NTS Map Sheet No.: _____ Map Name: Iqaluit Nukkiksautiit Project Map Scale: 1:50,000</p>	

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: August 12, 2025 Date of expiry: August 11, 2030

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: _____

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

Name of entity(s) holding authorizations:

Nunavut Nukkiksautiit Corporation (NNC)

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 checked="" 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.

Please see attached

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. *Associated with the attached NPC decision letter*

9. DESCRIPTION OF UNDERTAKING – List and attach plans and drawings or project proposal.

Details are given in the following attachment(s):

- *NPC Non-Technical Project Description 2026*

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

The location of the proposed hydroelectric dam was determined in consultation with the local community after presenting additional alternatives, this location was selected. Investigative Studies have been carried out in this area since 2024.

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 |
| <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"/> Recreational |
| <input type="checkbox"/> Power | <input checked="" type="checkbox"/> Miscellaneous (describe below): |
- Research - Investigative Studies*

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
- 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.

- | | |
|--|---|
| <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes | |
| <input checked="" 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 |
| <input type="checkbox"/> Other: | |

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):

As shown on the Project Map, there are 7 water extraction points to be used for this Project. There are no names identified for these sources.

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

Provide the overall estimated quantity of water to be used: 165 m³/day

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

Please see attached table below.

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

160 m3/day will be used for the geotechnical drilling 5 m3/day will be used for water consumption at the temporary camp.

Describe the method of extraction(s): A temporary water pump with a submersible hose and fish screen will extract water intermittently as required the Unnamed water body.

Estimated quantity(s) of water returned to source(s) N/A m³/day

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.

- | | |
|--|---|
| <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Waste oil |
| <input checked="" type="checkbox"/> Solid Waste | <input type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input type="checkbox"/> 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
Drilling - Non-combustible wastes	Used parts	Variable		Drums to be kept at short-term storage at property until transported to an approved facility
Drilling & Camp - Hazardous	Engine oil, hydraulic oil	<100L		Drums to be kept at short-term storage at property until transported to an approved facility
Camp - Sewage		Variable		Two ventilated pit-style outhouses with geomembrane liners
Camp - Greywater		Variable	Dual sand filtration zones for treated disposal	Settling trench
Drilling - Greywater	Drill cuttings	<160 m3/day		Drill cuttings will be collected in natural depression sumps at each drill site, and backfilled.

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. *Water use associated with the project may result in a temporary and localized reduction in water volume at the source. Given the short duration of activities and the relatively low volumes of water required, no measurable or long-term impacts to surface water levels are anticipated. Domestic wastewater generated from temporary field activities could affect water quality if not properly managed. Mitigation measures include water withdrawal volumes will remain within the licensed limits. Water will be sourced from approved locations only. Solid waste will be securely stored and removed from site for disposal at an approved facility.*

Indirect impacts could include include minor changes to water quality resulting from accidental spills of fuel or other hazardous materials during project activities. Mitigation measures include storing fuels and hazardous materials away from water bodies, and refueling to occur at designated locations following spill-prevention best practices.

At no times will discharge enter surface water. Other mitigations will be tied directly to the licence conditions.

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.

There are no other users that have been identified.

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).

There are 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.

Please see attached NNC Consultation Record for this information

21. SECURITY INFORMATION

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. 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. The estimate must also include contingency factors appropriate to the particular work to be undertaken.

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 *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

The proposed water use and waste management activities are temporary in nature and limited to water extraction from a nearby river for field camp use and geotechnical drilling. Water withdrawal volumes will be low and will remain within licensed limits. No permanent infrastructure will be constructed, and no untreated wastewater will be discharged to the environment. Fuels and hazardous materials will be stored and handled in accordance with spill prevention and response best practices, and spill response equipment will be maintained on site. All equipment, temporary structures, and wastes will be removed from the site at the completion of the program, and disturbed areas will be stabilized as required.

The total outstanding reclamation liability for the undertaking is anticipated to be low and associated primarily with removal of temporary camp infrastructure, drilling materials, wastes, and any required site clean-up or minor ground stabilization. Reclamation activities would consist of demobilization of equipment, removal of all solid and liquid wastes for disposal at approved facilities, proper decommissioning and sealing of drill holes as required, and confirmation that no contamination remains.

An estimate of total financial security for final reclamation would be based on the cost of a third-party contractor completing all required reclamation and demobilization activities in the event of operator default, including labour, equipment, transportation, waste handling and disposal, and site verification. A contingency factor appropriate to the scale and nature of the work (e.g., 15–25%) would be applied to account for uncertainty and logistical considerations associated with remote field conditions. Given the limited scope, short duration, and low environmental risk associated with the proposed activities, the resulting reclamation liability and therefore any required financial security is expected to be minimal. Should security be required by the regulator, a detailed third-party cost estimate will be prepared consistent with the principles outlined in the *Mine Site Reclamation Policy for Nunavut* (Indian and Northern Affairs Canada, 2002), including use of conservative unit rates, full third-party costs, and appropriate contingency allowances to ensure coverage of the highest potential liability over the life of the undertaking.

22. FINANCIAL INFORMATION

Provide a statement of financial responsibility.

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

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

The proposed activities are temporary and limited to water extraction for camp use and geotechnical drilling. No security is proposed for the Project due to its low risk and limited scope. NNC has sufficient financial resources to implement the proposed activities in compliance with the NWB Water Licence conditions, including waste management, site cleanup, and demobilization. No long-term financial liability to the Board is anticipated.

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

- Hydrometric measurements have been collected since 2024.
- Wildlife and aquatics research/fieldwork has commenced in 2025 and will be carried out again in 2026.
- Archaeology research in the field was carried out in 2025.

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: June/2026 Proposed Completion Date: October/2026
(month/year) (month/year)

Operation

Proposed Start Date: _____ Proposed Completion Date: _____
(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 **Annually**

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: May/2026 Requested Expiry Date: October/2031
(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.

The standardized form will be used as requested.

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 _____

Application Fee of \$30.00 CDN (Payee Receiver General for Canada).

Yes No If no, date expected _____

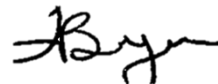
Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

Yes No If no, date expected _____

28. SIGNATURE

Jillian Byrne

Project Manager



19-February-2026

Name (Print)**Title (Print)****Signature****Date**