



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

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## **DOCUMENT MANAGEMENT**

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### **DOCUMENT AMENDMENTS**

	<b>Description</b>	<b>Date</b>
(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)		
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(7)		
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(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.

<b>LICENCE NO:</b> (for NWB use only)	
<p><b>1. APPLICANT (PROPOSED LICENSEE) CONTACT INFORMATION</b> (name, address)</p> <p>Sulaimon Ayilara Manager, Technical &amp; Environmental Services Petroleum Products Division Transportation and Infrastructure Nunavut Government of Nunavut 111 Arvinggak St, Rankin Inlet, NU X0C 0A1</p> <p>Phone: 867-645-8444 Fax: NA e-mail: SAyilara2@GOV.NU.CA</p>	<p><b>2. APPLICANT REPRESENTATIVE CONTACT INFORMATION</b> if different from Block 1 (name, address)</p> <p>Andrew Henderson Nunatta Environmental Services Inc. 1575 Sivumugiaq St Iqaluit, NU X0A 3H0</p> <p>Phone: 613-286-7760 Fax: NA e-mail: andrew@nunatta.ca (Authorization letter is attached)</p>
<p><b>3. NAME OF PROJECT</b> (including the name of the project location)</p> <p>Baker Lake Landfarm</p>	
<p><b>4. LOCATION OF UNDERTAKING</b></p> <p><b>Project Extents</b></p> <p>NW: Latitude: (64°19'18.75"N) Longitude: (96° 5'45.30"W) NE: Latitude: (64°19'18.91"N) Longitude: (96° 5'28.75"W) SE: Latitude: (64°19'17.03"N) Longitude: (96° 5'28.75"W) SW: Latitude: (64°19'16.96"N) Longitude: (96° 5'34.24"W)</p> <p><b>Survey of site attached.</b></p> <p><b>Camp Location(s)</b></p> <p><b>NA:</b> project staff, equipment and other resources will be based in Baker Lake. The site is accessible by road from the hamlet.</p>	

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

NTS Map Sheet No.: **66-A/8** Map Name: **Baker Lake** 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**  
**Not Applicable**

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

Other: Land is owned by hamlet in fee simple. An equity lease to the Commissioner of Nunavut is planned, to be administered by the Petroleum Products Division of Transportation and Infrastructure Nunavut. Bylaws and planning permissions will also require changes.

Date (expected date) of issuance: June 2026 Date of expiry: Duration of lease

See attached sketch plan approval from the Department of Community and Government Services.

Name of entity(s) holding authorizations:

Hamlet of Baker Lake / Petroleum Products Division (future)

**7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

Indicate the land use planning area in which the project is located.

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> North Baffin | <input checked="" type="checkbox"/> Kivalliq |
| <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: [June 25, 2025 \(attached\)](#)

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 [January 23, 2026 \(attached\)](#)

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.**

Soils impacted by petroleum hydrocarbons in Baker Lake require proper containment and treatment. With proper treatment, concentrations of contaminants in these soils can be reduced to appropriate levels for re-use.

The Baker Lake Bulk Fuel Storage facility stores fuel for the community and the adjacent gas station. The site contains eight aboveground storage tanks. There is an aboveground steel pipeline to the east of the site, connecting the fuel storage tanks with Baker Lake, 300 metres to the south.

In 2021, a gasoline spill estimated at 10,000 litres was discovered at the facility. The source of the spill was identified as a ruptured drain valve on the pipeline. The leak was stopped upon discovery, and the spill was believed to be contained within the protective berm surrounding the fuel tank farm.

At the end of March 2021, gasoline was detected outside the tank farm's berm. Nunatta responded to this spill, and managed the initial stages of the cleanup. Nunatta managed the retention, sampling and treatment of water potentially impacted by the fuel spill. Nunatta collected soil samples and identified and delineated impacted soils.

The impacted soils have been temporarily stored near the tank farm.

Construction of a Land Treatment Unit (LTU) would allow for the treatment and re-use of these impacted soils. The Hamlet of Baker Lake has selected an area northwest of the built up area and north of the airport for the LTU. This parcel of land (Lot 454, Plan 4945) has been surveyed to use as the LTU site.

See the following attachments::

- [Project Description in English and Inuktitut](#)
- [Construction Drawings](#)

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

The Hamlet reviewed various options for siting the landfarm. Previously-considered sites were discussed and rejected during consultations between PPD and the hamlet council.

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

- |   |  |
|---|--|
| <input checked="" 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 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.

- 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
- Landfarm (using draft SIG by Water Board)

**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                              |
- Other: Meltwater and infiltration water will collect in the landfarm and require treatment before disposal.

**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):

Water will be generated inside the landfarm by snow melt and rain. Landfarm map is attached.

Describe the quality of the water source(s) and the available capacity: Not applicable.

Provide the overall estimated quantity of water to be used: Approximately 100 m<sup>3</sup> may be generated per annum.

Provide the estimated quantity(s) of water to be used from each source: Not applicable.

Indicate the estimated quantities to be used for each purpose (camp, drilling, etc.): Water generated inside the landfarm, approx. 100 m<sup>3</sup> per year.

Describe the method of extraction(s): Where possible, the water will be used to maintain proper moisture in soils in the landfarm. It is critical to maintain appropriate soil moisture for bioremediation to occur. As a result, the plan is not to pump/treat any impacted water unless necessary.

Estimated quantity(s) of water returned to source(s): as required, but less than 100 m<sup>3</sup>/year.

Describe the quality of water(s) returned to source(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

- |  |  |
|--|--|
| <input type="checkbox"/> Sewage                  | <input type="checkbox"/> Waste oil                                 |
| <input type="checkbox"/> Solid Waste             | <input type="checkbox"/> Greywater                                 |
| <input type="checkbox"/> Hazardous               | <input type="checkbox"/> Sludges                                   |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input checked="" 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
Petroleum hydrocarbon impacted soil	Soil impacted with gasoline and diesel	Landfarm total capacity is approximately 2,500 cubic metres.	Soils will be bioremediated via a combination of introducing air and adding nutrients	Soils will be re-used as road base or other fill material when they meet soil re-use criteria.

**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: **Not Applicable**

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.

During the construction phase, typical construction impacts are expected. There will be disruption of existing conditions via noise, truck movements, and construction equipment movements. Changes in the existing topography from construction are also expected to change local water runoff patterns. These potential impacts will be mitigated by standard measures, including planning to operate only during designated work hours, designing the landfarm to limit changes to topography, and selecting equipment based on their emissions and noise ratings. During the operational phase, impacts will generally be positive: soil quality will improve, and there will be positive impacts for the community from centralizing and treating impacted soil. The project includes plans to sample water to ensure that the soil is contained in the landfarm.

**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.

**Not Applicable**

**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).

**Not Applicable**

**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.

PPD has consulted extensively with the Hamlet. The hamlet is supportive of the project and has made the land available for the soils.

**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.

**Not Applicable**

**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.

**Not Applicable**

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

- Baker Lake Spill Response Remedial Action Plan, AECOM Canada Ltd., 2021 (Characterizes impacted soil and proposes plan for spill response).
- Letter re Survey, Sampling and Regulatory Update. Nunatta Environmental Services Inc. Dated July 2, 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: **September, 2026**  
(month/year) (month/year)

Operation

Proposed Start Date: **September 2026** Proposed Completion Date: **September 2030**  
(month/year) (month/year)

Closure

Proposed Start Date: **June 2031** Proposed Completion Date: **September 2031**  
(month/year) (month/year)

Post - Closure

Proposed Start Date: **September 2031** Proposed Completion Date: **September 2032**  
(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: **June 5, 2026** Requested Expiry Date: **June 5, 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.

**NWB's Standardized Form for Annual Reporting will be used.**

**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**

**Sulaimon Ayilara**

**Manager, Technical &  
 Environmental  
 Services**

**March 5, 2026**

**Name (Print)**

**Title (Print)**

**Signature**

**Date**