



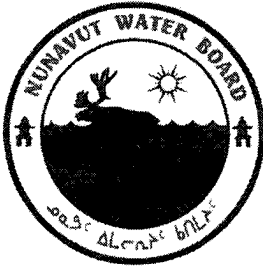
Application for Water Licence Renewal
of Solid Waste Facilities of Hamlet of Pond Inlet :
WL 3BM-PON 1012

Document Date: July, 2014

Renewal Application Submission Date:

07/30/2014

Month/Day/Year



P.O. Box 119

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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYIT

OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR WATER LICENCE RENEWAL

Your application may be classified as a **renewal** only if all operations remain the same as previously licensed and only the term of the licence requires change. If your application contemplates:

- a change to the volume of water authorized for use;
- a new activity related to water use or waste disposal;
- a new component related to water use or waste disposal;
- a change in predicted environmental impacts(s); and/or
- a change to any term or condition of the original licence

your application is **NOT** classified as a renewal but rather an amendment and will require submission of an Application for Water Licence Amendment. Licensees applying for combined renewal / amendment are also referred to the Application for Water Licence Amendment.

The applicant is referred to the NWB's Guide 7: Licensee Requirements Following the Issuance of a Water Licence for more information about this application form.

EXISTING LICENCE NO:

Hamlet of Pond Inlet: 3BM-PON 1012

P.O. BOX 119

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1. LICENSEE CONTACT INFORMATION

Is the licensee the same as that referred to on the existing licence?

☒ Yes ☐ No

If No, a licence assignment must be completed and approved by the NWB.

If the licensee is the same, but the name of the licensee has changed, attach a certificate of name change.

Name: **Mike Rudkin , Senior Administrative Officer**

Address: **Hamlet of Pond Inlet**

Phone: **867 899-8934**

Fax: **867-899-8940**

e-mail: **hamletpond_sao@giniq.com**

Box 180, X0A 0S0, Pond Inlet, Nunavut

2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.

SAME AS ITEM (1).

Name:

Address:

Phone: _____

Fax: _____

e-mail: _____

(Attach authorization letter.)

3. NAME OF PROJECT

Is the name of the project the same as that considered in the existing water licence?

☒ Yes ☐ No

Indicate the name of the project including the name of the location:

Requested Amendment: Item 3, Part F: Regional Municipal Planning Engineer will conduct annual inspection to all the licensed facilities instead of the Geotechnical Engineer.

4. LOCATION OF UNDERTAKING

Is the location of the undertaking the same as that considered in the existing water licence?

☒ Yes ☐ No

Project Extents

NW: Latitude: (**72°42' N**)

Longitude: **77°59' (W)**

NE: Latitude: (° ' " N)

Longitude: (° ' " W)

SE: Latitude: (° ' " N)

Longitude: (° ' " W)

SW: Latitude: (° ' " N)

Longitude: (° ' " W)

Camp Location(s)

Latitude: (° ' " N)

Longitude: (° ' " W)

5. MAP

Are the locations of the main components of the undertaking the same as those considered in the existing licence?

☒ Yes ☐ No

Attach a Topographical map, indicating the main components of the undertaking.

NTS Map Sheet No.: _____ Map Name: _____ Map Scale: _____

6. NATURE OF INTEREST IN THE LAND

Is the nature of the interest in the land the same as that considered in the existing water licence?

☒ Yes ☐ No

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

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

☐ Other _____

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

Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence?

☒ Yes ☐ No

If No, a licence assignment must be completed and approved by the NWB.

Name of entity(s) holding authorizations:

Hamlet of Pond Inlet

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Is the undertaking located in the same land use planning area as that considered in the existing licence?

☒ Yes ☐ No

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

☒ North Baffin

☐ South Baffin

☐ Akunnig

☐ Keewatin

☐ Sanikiluaq

☐ West Kitikmeot

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?

☐ Yes ☒ No

If Yes, indicate date issued and attach copy. _____

Does the proposed renewal change the original NPC conformity determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

N.B. All the Facilities under Water Licence are located in the Commissioner's land.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Was a screening determination required from NIRB prior to the issuance of the existing water licence?

☐ Yes ☒ No

If Yes, indicate date issued and attach copy. _____

Does the proposed renewal change the original NIRB screening determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy.

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

N.B: The Project is located within the Commissioner land.

9. DESCRIPTION OF UNDERTAKING

Is the description of the undertaking the same as that considered in the existing water licence?

☒ Yes ☐ No

List and attach plans and drawings or project proposal. **Attached Technical Summary Report in English and Inuktitut of the Licensed Facilities.**

10. OPTIONS

Are the alternative methods and locations that were considered to carry out the project the same as those considered in the existing water licence?

☒ Yes ☐ No

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

11. CLASSIFICATION OF PRIMARY UNDERTAKING

Is the primary undertaking the same as that considered in the existing water licence?

☒ Yes ☐ No

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 checked="" type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input type="checkbox"/> Miscellaneous (describe below): |

See Schedule II of the *Northwest Territories Waters Regulations* for Description of Undertakings.

12. WATER USE : Not applicable for this licence

Is the type(s) of water use(s) the same as that considered in the existing water licence?

☒ Yes ☐ No

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 municipal purposes | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To obtain water for industrial purposes | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input type="checkbox"/> To cross a watercourse | |

☐ To alter the flow of, or store water
☐ Other: _____

☐ Flood control

13. QUANTITY OF WATER INVOLVED: Not applicable for this licence application.

Is the source of water the same as that considered in the existing licence?

☒ Yes

☐ No

Name of water source(s): **Natural Stream, Salmon River:**
(show location(s) on map)

Is the quality of the water source and its available capacity the same as that considered in the existing licence?

☒ Yes ☐ No

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

Chemical Analysis report of raw water is attached. Capacity of the stream is unknown.

The volume of Water in the water storage reservoir was 188,000 m³ in September 2010 according the NRcan Bathymetric surveys.

Is the overall estimated quantity of water to be used the same as that considered in the existing licence?

☒ Yes ☐ No

Provide the overall estimated quantity of water to be used:

Using the formula,

**Volume (Per Capita) = Residential Water Use(RWU) (1+(0.00023* Population in 2019))
Considering RWU=90Lpcd, Population in 2019=1632, Therefore Lpcd=123.7824
Per day for Population of 1632 in 2019 is estimated to be 203 m³/day.**

Are the quantity(s) of water to be used from each source the same as those considered in the existing licence?

☒ Yes ☐ No

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

The estimated volume of water extraction from the source in 2019 for the population of 1632 will be 203 m³/day.

Are the quantity(s) of water to be used for each purpose the same as those considered in the existing licence?

☒ Yes ☐ No

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

Municipal uses only.

Currently Salmon River is the only one main Potable Water Source. No meter is existing in the intake pipe. Estimated Quantity of Municipal water use daily in 2019 will be 203 m³/day.

Are the method(s) of extraction the same as those considered in the existing licence? ☒ Yes ☐ No

Describe the method(s) of extraction:

Water is being extracted by pumping from Salmon River to fill the Natural Water Storage Reservoir during summer for annual use. From there again pump water using different intake and chlorinated inside the Truck Fill station prior to filling the tank of the Water Truck.

Are the quantity(s) of water returned to source(s) the same as those considered in the existing licence?

☒ Yes ☐ No

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

No meter is existing in the sewage truck. Therefore, water consumption volume is considered as equal to the wastewater discharge volume. Estimated quantity in 2013 was 41,046 m³ following the Hamlet Annual Water consumption Report of the same year.

Are the quality(s) of water(s) returned to source(s) the same as those considered in the existing licence?

☒ Yes ☐ No

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

The lab Test results of the wastewater effluent for 2011, 2012 and 2013 are attached.

14. WASTE

Are the type(s) of waste(s) to be generated and/ or deposited the same as those considered in the existing licence?

☒ Yes ☐ No

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 checked="" type="checkbox"/> Greywater |
| <input checked="" type="checkbox"/> Hazardous | <input checked="" type="checkbox"/> Sludges |
| <input checked="" type="checkbox"/> Bulky Items/Scrap Metal | <input checked="" type="checkbox"/> Contaminated soil and/or water |
| <input checked="" type="checkbox"/> Animal Waste | |
| <input type="checkbox"/> Other (describe): | |

15. QUANTITY AND QUALITY OF WASTE INVOLVED:

Are the quantity(s) of the types of wastes involved the same as those considered in the existing licence?

☒ Yes ☐ No

Are the composition(s) of the types of wastes involved the same as those considered in the existing licence?

☒ Yes ☐ No

Are the method(s) of treatment for the types of waste involved the same as those considered in the existing licence?

☒ Yes ☐ No

Are the method(s) of disposal for the types of waste involved the same as those considered in the existing licence?

☒ Yes ☐ No

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
Municipal and Commercial	Household and construction debris	Not estimated	Burning, Compacting and Covering with Soil	Garbage Truck
Metals	Industrial bulky metal waste, electrical waste and Construction wastes	Not estimated	No segregation, open dumping	Dump truck front end loader and low bed
Hardarous waste	unknown	unknown	No treatment	Truck

16. OTHER AUTHORIZATIONS

In addition to the sub-surface and surface land use authorizations provided in Block 6, are the same authorizations required as considered in the existing licence?

☐ Yes ☒ No

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

Are predicted environmental impacts of the undertaking and proposed mitigation measures the same as those considered in the existing water licence?

X ☐ Yes ☐ No

Describe direct, indirect, and cumulative impacts related to water and waste:

- **Hazardous wastes are required to be segregated and stored by the trained personnel.**
- **To limit wildlife attraction, odours and windblown litter, the waste should be compacted and covered with soil on a regular basis.**
- **Bulky wastes should be placed in an organized manner starting from the back of the disposal cell and working towards the access ramp.**
- **Sewage Lagoon effluent Quality should satisfy the requirements of the NWB.**

18. **WATER RIGHTS OF EXISTING AND OTHER WATER USERS: Not applicable for this licence.**

Are the effects of the undertaking on any known persons or property including those that hold licences for water use in precedence 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, the same as those considered in the existing water licence?

X ☐ Yes ☐ No

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.

19. **INUIT WATER RIGHTS: Not applicable for this licence.**

Are the effects of the undertaking on the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL) the same as those considered in the existing water licence?

X ☐ Yes ☐ No

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).

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.

- **Baffin Regional Municipal Engineer had several meetings with SAO of the Hamlet of Pond Inlet and discussed about the constrains of the Community Water licensed facilities and difficulties to renew Water Licence. SAO has signed this application to**

expedite renewal process.

21. SECURITY INFORMATION

Is the financial security assessment the same as that considered in the existing water licence?

☒ Yes ☐ No

Is the estimate of the total financial security for final reclamation the same as that considered in the existing water licence?

☒ Yes ☐ No

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.

22. FINANCIAL INFORMATION

Is the statement of financial security the same as that considered in the existing water licence?

☒ Yes ☐ No

Provide an updated statement of financial security. **None**

If the applicant is a business entity please answer the questions below:

Is the list of the officers of the company the same as those considered in the existing water licence?

☒ Yes ☐ No

Provide a list of the officers of the company. **Senior Administrative officer (SAO) only**

Is the Certificate of Incorporation or evidence of registration of the company name the same?

☒ Yes ☐ No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

23. STUDIES UNDERTAKEN TO DATE:

List and attach updated studies, reports, research etc.

A study was conducted by Arktis Consultant Inc. on dye test in the Sewage lagoon and found no leakage. The study report is attached.

Dalhousie University has been testing sewage sludge, raw sewage and sewage lagoon effluent for

4 yrs.

They will provide report at the end of their research. No report from them is available now.

Dalhousie University has conducted a Water Quality study and report is attached.

Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

- **Monitoring of Leachate quality of the Solid waste site and effluent from the sewage lagoon is in place.**
- **Segregation of Hazardous waste was started already this summer**
- **The existing waste sites will be decommissioned soon after the new site is built and commissioned.**
- **The waste will be burnt, compacted and covered with soil frequently to control windblown litter.**
- **The existing sewage lagoon is being planned to decommission in near future.**
- **Hamlet is working on the design package of the water crossing towards Salmon River. Once the design package is ready, the water licence will be made amendment.**

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

24. PROPOSED TIME SCHEDULE

Is the time schedule for all phases of development (construction, operations, closure and post closure) the same as that considered in the existing licence?

☒ Yes ☐ No

Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure).

Design and Construction Schedule of the old Sewage lagoon is still unknown.

Proposed Start Date:

(month/year)

Proposed Completion Date:

(month/year)

Operation

Proposed Start Date:

(month/year)

Proposed Completion Date:

(month/year)

Closure

Proposed Start Date:

(month/year)

Proposed Completion Date:

(month/year)

Post - Closure

Proposed Start Date:

(month/year)

Proposed Completion Date:

(month/year)

For each applicable phase of development indicate which season(s) activities will be occurred.

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

On what date does the existing licence expire? **May 31, 2012**

Indicate the proposed term of the renewal (maximum of 25 years): **5 yrs. until 2019.**

Requested date of renewal issuance: **July 31, 2014**
(month/year)

Requested Expiry Date: **July 31, 2019**
(month/year)

(The requested date of renewal 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

Is the annual report template expected to be the same as that considered in the existing licence?

☒ Yes ☐ No

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 renewal for the water licensing process to begin.

Completed Application for Water Licence Renewal form.

☒ Yes ☐ No If no, date expected _____

Updated plans, including designs and reports (see Block 23).

☒ Yes ☐ No If no, date expected _____

Updated security assessment (see Block 21).

☐ Yes ☐ No If no, date expected _____

Updated financial statement (see Block 22).

☐ Yes ☐ No If no, date expected _____

Compliance Assessment / Status Report (see Block 23).

☒ Yes ☐ No If no, date expected _____

English Summary of Renewal Application.

☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Renewal 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

I, **Mike Rudkin** (print name) certify that the application requires no changes to water use or waste disposal as previously authorized and that the information given on this form is, to the best of my knowledge, correct and complete.

Senior Administrative Officer

Designation


Signature


Date