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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

Licence No: **3BM-SAN2631**

October 2, 2026

Robert Hedley
Senior Administrative Officer (SAO)
Hamlet of Sanikiluaq
P.O. Box 157
Sanikiluaq, Nunavut X0A 0W0
Email: sao@sanikiluaq.com

Ryan Kum
Municipal Engineering Officer
Government of Nunavut - TIN
P.O. Box 1000, Station 700
Iqaluit, Nunavut X0A 0H0
Email: rkum@gov.nu.ca

RE: NWB Replacement Licence No: 3BM-SAN2631

Dear Mr. Hedley and Mr. Kum:

Please find attached Licence No: **3BM-SAN2631** (Licence) issued to the Hamlet of Sanikiluaq (Applicant or Licensee) by the Nunavut Water Board (NWB or Board) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* (*Nunavut Agreement*). The terms and conditions of the attached Licence related to water use and waste disposal are an integral part of this approval.

If the Licensee contemplates the renewal of this Licence, it is the responsibility of the Licensee to apply to the NWB for its renewal. The past performance of the Licensee, new documentation and information, and issues raised during a public hearing, if the NWB is required to hold one, will be used to determine the terms and conditions of the Licence renewal. Note that if the Licence expires before the NWB issues a new one, then water use and waste disposal must cease, or the Licensee may be in contravention of the *Nunavut Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*. However, the expiry or cancellation of a licence does not relieve the holder from any obligations imposed by the licence. The NWB recommends that an application for the renewal of this Licence be filed at least **three (3) months** prior to the Licence expiry date.

If the Licensee contemplates or requires an amendment to this licence, the NWB may decide, in the public's interest, to hold a public hearing. The Licensee should submit applications for amendment as soon as possible to give the NWB sufficient time to go through the amendment process. The process and timing may vary depending on the scope of the amendment; however, a minimum of sixty (60) days is required from time of acceptance by the NWB. It is the responsibility of the Licensee to ensure that all application materials have been received and are acknowledged by the Manager of Licensing.

It should be noted that in accordance with Section 75(1)(a) of the *Nunavut Planning and Project Assessment Act (NuPPAA)*, the Board is not allowed to issue a permit or authorization for any project proposal that has not been submitted to the Nunavut Planning Commission (NPC) in accordance with Section 76 of *NuPPAA*.

Sincerely,

Lootie Toomasie
Nunavut Water Board
Chair

LT/as/rqd

Enclosure: Licence No: **3BM-SAN2631**

Cc: Qikiqtani Distribution List

Table of Contents

I. BACKGROUND 5

II. PROCEDURAL HISTORY 5

III. FILE HISTORY 6

Licences Issued by the Nunavut Water Board 6

IV. GENERAL CONSIDERATIONS 7

Term of the Licence 7

Annual Reports 7

Water Supply Facility 7

Sewage Disposal Facility (SDF) 8

Solid Waste Disposal Facility 8

Operation & Maintenance Plans 9

Spill Contingency Plans 9

Closure and Reclamation Plans 9

Monitoring Program 10

PART A: SCOPE, DEFINITIONS AND ENFORCEMENT 12

PART B: GENERAL CONDITIONS 15

PART C: CONDITIONS APPLYING TO WATER USE 17

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL 18

PART E: CONDITIONS APPLYING TO MODIFICATIONS AND CONSTRUCTION 19

PART F: CONDITIONS APPLYING TO OPERATIONS AND MAINTENANCE 20

PART G: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION 22

PART H: CONDITIONS APPLYING TO THE MONITORING PROGRAM 23

DECISION

LICENCE NUMBER: 3BM-SAN2631

This is the decision of the Nunavut Water Board (NWB) with respect to a complete application received on August 31, 2026 for the renewal of a Water Licence made by:

HAMLET OF SANIKILUAQ

to allow for the use of water and deposit of waste during municipal activities by the Hamlet of Sanikiluaq located within the Qikiqtani Region of Nunavut, generally located at the geographical coordinates as follows:

Latitude: 56°32'00" N Longitude: 79°14'00" W

DECISION

After having been satisfied that the application is outside the area with an applicable regional Land Use Plan, and is a significant modification because of the construction of a new water treatment facility, requiring screening by the Nunavut Impact Review Board (NIRB) as per the Nunavut Planning Commission (NPC)[1], the NIRB pursuant to paragraph 92(1)(a) of the *Nunavut Planning and Project Assessment Act (NuPPAA)*, recommended that a review of the project is not required[2], the NWB decided that the application could proceed through the regulatory process. In accordance with s. 55.1 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (*Act*) and Article 13 of the *Nunavut Agreement*, public notice of the application was given and interested persons were invited to make representations to the NWB.

After reviewing the submission of the Applicant and considering the representations made by interested persons, the NWB, having given due regard to the facts and circumstances, the merits of the submissions made to it and to the purpose, scope and intent of the *Nunavut Agreement* and of the *Act*, waived the requirement to hold a public hearing, and determined that:

Licence No: 3BM-SAN2025 will be replaced by Licence No: 3BM-SAN2631 subject to the terms and conditions contained therein. (Motion #: 2026-B1-019)

Signed this 2nd day of October, 2026 at Gjoa Haven, NU.

Lootie Toomasie
Nunavut Water Board, Chair
LT/as/rqd

[1] Nunavut Planning Commission (NPC) Conformity Determination (150857), July 8, 2025.
[2] Nunavut Impact Review Board (NIRB) Screening Decision (25WN065), November 27, 2025.

I. BACKGROUND

The Hamlet of Sanikiluaq is located on the North end of Flaherty Island, a large central island of the Belcher Islands in Hudson Bay. This Community is the southernmost community in Nunavut, about 150 kilometres off the west coast of Nunavik, Quebec and located in the Qikiqtani (Baffin) Region of Nunavut. It has an estimated current population of 1010 people (2021 Census).

This application is submitted by Dillon Consulting and Municipal Works Division, Department of Transportation and Infrastructure, Government of Nunavut (GN-TIN), on behalf of the Hamlet of Sanikiluaq (Hamlet or Applicant), for a five (5) year renewal of the expired Water Licence 3BM-SAN2025 to allow for the continued use of water and deposit of waste in support of a Municipal Undertaking.

The Hamlet plans to replace Sanikiluaq's aging and water supply system with a modern, centralized Water Treatment Plant (WTP). Sanikiluaq's raw water source experiences high natural salinity (Total Dissolved Solids reaching historical peaks of 1,250 mg/L), resulting in brackish water that exceeds Health Canada Guidelines for Canadian Drinking Water Quality and forces residents to rely on localized point-of-entry reverse osmosis units.

II. PROCEDURAL HISTORY

On **August 31, 2026,** the Hamlet of Sanikiluaq submitted a renewal Water Licence Application (Application). The following documents were submitted by the Applicant:

- Letter of Authorization
- Renewal and Amendment Application
- Amendment and Renewal Cover Letter
- NPC Conformity Determination (File No: 150857)
- DFO Review Letter (25-HCAA-02290)
- NIRB Screening Decision Report (File No: 25WN065)
- Compliance Plan
- Environmental Emergency Contingency Plan Sanikiluaq, March 2025
- Environmental Monitoring and QA QC Plan Sanikiluaq, March 2025
- Inuktitut & English Executive Summary
- OM Plan Sewage Disposal Facility
- OM Plan Solid Waste Disposal Facility
- OM Plan Water Supply Facility
- Regulatory Submissions Reporting Document (Dillon)
- Sanikiluaq 2025 Annual Report
- Sanikiluaq IFC Civil Drawings

The NWB concluded that the Application generally met the requirements of section 48(1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (*NWNSRTA* or Act) and forwarded notice of the Application to interested parties. All parties were invited to make representations to the NWB within twenty-one (21) days by **September 21, 2026**.

On or before **September 21, 2026**, Crown-Indigenous Relations and Northern Affairs (CIRNA) provided a submission stating that they had no comments or concerns at this time.

The NWB has placed in its Public Registry copies of the Application and all comments received from Interveners. This information can be accessed via the following link:

Water Licence Application documents

III. FILE HISTORY

According to information included on the NWB's Registry, four licences have been issued by the Nunavut Water Board (NWB) to the Hamlet of Sanikiluaq in the past for its Municipal undertaking.

Licences Issued by the Nunavut Water Board

- On November 28, 2003, the Nunavut Water Board ("NWB" or "Board") issued Water Licence NWB3SAN0308 — Type B to the Hamlet of Sanikiluaq for the use of 34,000 m^3 of water per year and the deposit of Waste generated by the Hamlet. Licence NWB3SAN0308 expired on November 15, 2008, at which time no renewal application had been submitted.

- On February 28, 2012, the NWB issued Licence 3BM-SAN1214 Type B to the Hamlet of Sanikiluaq for the use of 40,000 m^3 of water per year and the deposit of Waste generated by the Hamlet. Licence 3BM-SAN1214 expired on March 1, 2014.

- On May 14, 2015, the NWB issued Licence No: 3BM-SAN1520 Type B to the Hamlet of Sanikiluaq for the use of 40,000 m^3 of water per year and deposit of waste generated. This licence expired on May 13, 2020.

- On June 11, 2020, the NWB issued the Type B Water Licence No: 3BM-SAN2025 to the Hamlet of Sanikiluaq for the use of 55,000 m^3 of water per year and deposit of waste generated. This Licence expired on June 10, 2025.

IV. GENERAL CONSIDERATIONS

The following sections provide background information relevant to the terms and conditions included in this Licence, in the context of submissions received and/or the Board's rationale.

Term of the Licence

In accordance with s. 45 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (*NWNSRTA* or Act), the NWB may issue a licence for a term not exceeding twenty-five (25) years. In determining an appropriate term for a renewal/replacement licence, the Board generally takes into consideration several factors including Interveners' comments, the Licensee's compliance history, as well as the rationale contained in the Application.

The Licensee requested in its Application, a five (5) year term for the licence. The Board, in examining the compliance history of the licensee, felt that a 5-year term would give the Applicant time to address the outstanding infrastructure issues. The Board has therefore granted the term requested by the Licensee. In so doing, the Board believes and expects that the **five-year term** will provide the Licensee with significant opportunities to abide by the terms and conditions in the Licence over time and provide ongoing compliance record prior to a need for renewal.

Annual Reports

Under Part B, Item 1 of the Licence, the Licensee is required to submit Annual Reports for the purpose of ensuring that the NWB has an accurate annual update of municipal activities related to Water use and Waste disposal during each calendar year. This information is maintained on the Public Registry and is available to interested parties upon request. A "Standardized Form for Annual Reporting" is to be used by the Licensee and is available from the NWB file transfer protocol (FTP) site under the Public Registry link at the NWB Website:

Standardized Forms

Water Supply Facility

The Hamlet obtains its freshwater supply from Sanikiluaq Lake. The Licensee has requested 109,000 m^3 of water *per* year, with a maximum daily withdrawal rate of 299 cubic metres *per* day, for the new term of the Licence. The NWB has increased the annual water quantity to 109,000 m^3 per annum.

The Applicant has stated that Windy Lake was previously considered as a secondary source, but access was ruled out due to high road maintenance costs and difficult terrain. Sanikiluaq Lake remains the only viable source.

The Hamlet plans to replace Sanikiluaq's aging and water supply system with a modern, centralized Water Treatment Plant (WTP). The new Water Treatment Plant (WTP) will be constructed adjacent to the existing plant, and will continue to withdraw water from the existing water source, Sanikiluaq Lake. Two intake lines with submersible pumps will be used to withdraw raw water from the source. The new WTP will have an improved treatment process including basket strainers, flocculation, dissolved air flotation, ultrafiltration, reverse osmosis, UV disinfection, and chlorination. Treated water will be stored in a tank with a storage capacity of 350 cubic metres.

Construction work for the new WTP is planned for September-October 2026 and commissioning is scheduled for 2027. Once the new WTP is operational the older facility will be de-commissioned and removed.

Sewage Disposal Facility (SDF)

The Hamlet trucks sewage into a non-engineered, natural sewage lagoon (Annak Lake), which is located 2.9 km west of Sanikiluaq and has a capacity of 19,360 m^3. The north-west side of the sewage lagoon has no berm and effluent flushes continuously over into a wetland during the summer. The effluent flows through the wetland covering a distance of approximately 1 km before discharging into Hudson Bay.

The Hamlet plans to improve the existing Sewage Disposal Facility by adding a new sewage lagoon and increasing the wetland treatment area. This project is currently at 25% design stage and completion of the design is expected in the near future. The proposed location of the new sewage lagoon is approximately 500 m west of the existing lagoon.

Solid Waste Disposal Facility

The Solid Waste Disposal Facility (SWDF) is located adjacent to the Sewage Disposal Facility. The facility includes a generic landfill area of 43,560 m^2, a bulky metals disposal area and a hazardous waste storage area of 3,422 m^2. The Solid Waste Disposal Facility continues to have the following issues:

- The facility is non-engineered, partially fenced and unlined
- The leachate flows uncontrolled
- The Hazardous Waste is deposited in containers which are unsealed and unlabeled
- The Burn and Cap area had a burn cage which was demolished due to roof collapse
- Improper installation of fencing has left approximately 1 metre gap at the bottom of the fence, which allows windblown garbage to migrate outside of the fence
- Hazardous Waste section is exposed to the elements with no berm to limit any migration of leaks

- Multiple pools of water surround the Hazardous Waste Area and show signs of leaks and spills that appear to be migrating down slope

Because the Solid Waste Disposal Facility is located in close proximity to the sewage lagoon, there is a strong possibility that leachate from the SWDF site enters the effluent stream from the sewage lagoon before it reaches the harbor.

The condition of the Solid Waste Disposal Facility continues to deteriorate and requires several improvements. The Hamlet plans to improve the existing SWDF in the coming years.

Operation & Maintenance Plans

The Licensee has submitted updated Operation & Maintenance Plans for the Water Supply Facility, Solid Waste Disposal Facilities, Sewage Disposal Facilities. These plans were reviewed during the Application review process and are being approved with the issuance of this Licence.

- Operation & Maintenance Plan for Municipal Water Licence: Water Supply Facilities, August 2026;

- Operation & Maintenance Plan for Municipal Water Licence: Sewage Disposal Facilities, August 2026;

- Operation & Maintenance Plan for Municipal Water Licence: Solid Waste Disposal Facilities, March 2025.

Spill Contingency Plans

The Licensee had submitted a spill contingency plan entitled "*Environmental Emergency Contingency Plan for Municipal Water Licence*" dated March 2025, with the Application. This plan is being approved with the issuance of the Licence.

Closure and Reclamation Plans

Part G, Item 1 of the Water Licence requires the Licensee to submit to the Board for approval a Closure and Reclamation Plan at least six (6) months prior to decommissioning the facilities under this Licence.

The Licensee has indicated that they are planning to construct a new Water Treatment Plant. The existing plant will be decommissioned once the new WTP is built and operational. The Licensee is required to submit to the Board, a Closure and Reclamation Plan at least six (6) months prior to decommissioning the old water treatment facility.

Monitoring Program

Part H of the Licence details the environmental monitoring requirements. Requirements are similar to that in the previous Licence.

The Licensee is required to seek approval from the Board prior to making any changes to the monitoring program. It should also be noted that additional sampling may be required by the Board or the Inspector.

NUNAVUT WATER BOARD
WATER LICENCE

Licence No: 3BM-SAN2631

Pursuant to the Nunavut Waters and Nunavut Surface Rights Tribunal Act and the Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada, the Nunavut Water Board, hereinafter referred to as the Board, hereby grants to

HAMLET OF SANIKILUAQ

(Licensee)

P.O. BOX 157, SANIKILUAQ, NUNAVUT X0A 0W0

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use water or dispose of waste for a period subject to restrictions and conditions contained within this Licence renewal:

Licence Number/Type:	**3BM-SAN2631 TYPE B**
Water Management Area:	**HUDSON BAY ISLAND WATERSHED (16)**
Location:	**QIKIQTANI REGION, NUNAVUT**
Classification:	**MUNICIPAL UNDERTAKING**
Purpose:	**DIRECT USE OF WATER AND DEPOSIT OF WASTE**
Quantity of Water use not to Exceed:	**109,000 CUBIC METRES *PER* ANNUM AT MAXIMUM RATE OF 299 CUBIC METRES *PER* DAY**
Effective Date:	**OCTOBER 02, 2026**
Expiry of Licence:	**OCTOBER 01, 2031**

This Licence renewal, issued and recorded at Gjoa Haven, Nunavut, includes and is subject to the annexed conditions.

Lootie Toomasie,
Nunavut Water Board, Chair

PART A: SCOPE, DEFINITIONS AND ENFORCEMENT

1. Scope

This Licence allows for the use of Water and the deposit of Waste for a Municipal undertaking classified as per Schedule 1 of the *Regulations* at the Hamlet of Sanikiluaq, located within the Qikiqtani Region of Nunavut.

a. This Licence is issued subject to the conditions contained herein with respect to the taking of water and the depositing of waste of any type in any waters or in any place under any conditions where such waste or any other waste that results from the deposits of such waste may enter any waters. Whenever new Regulations are made or existing *Regulations* are amended by the Governor in Council under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, or other statutes imposing more stringent conditions relating to the quantity or type of waste that may be so deposited or under which any such waste may be so deposited, this Licence shall be deemed, upon promulgation of such Regulations, to be subject to such requirements; and

b. Compliance with the terms and conditions of this Licence does not absolve the Licensee from responsibility for compliance with the requirements of all applicable Federal, Territorial and Municipal legislation.

2. Definitions

"Act" means the *Nunavut Waters and Nunavut Surface Rights Tribunal Act;*

"Addendum" means the supplemental text that is added to a full plan or report usually included at the end of the document and is not intended to require a full resubmission of the revised report;

"**Amendment**" means a change to original terms and conditions of this Licence requiring correction, addition or deletion of specific terms and conditions of the Licence; modifications inconsistent with the terms of the set terms and conditions of the Licence;

"**Appurtenant Undertaking**" means an undertaking in relation to which a use of water or a deposit of waste is permitted by a licence issued by the Board;

"**Board**" means the Nunavut Water Board established under the *Nunavut Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act;*

"**Effluent**" means treated or untreated liquid waste material that is discharged into the environment from a structure such as a settling pond, lagoon (including wetland), landfill or a treatment plant;

"**Engineer**" means a professional engineer registered to practice in Nunavut in accordance with the *Consolidation of Engineers and Geoscientists Act S. Nu 2008, c.2*d

the *Engineering and Geoscience Professions Act S.N.W.T. 2006, c.16 Amended by S.N.W.T. 2009, c.12*;

"**Final Discharge Point**" in respect of an effluent means an identifiable discharge point of a facility beyond which the operator of the facility no longer exercises control over the quality of the Effluent;

"**Freeboard**" means the vertical distance between water line and the designed maximum operating height on the crest of a dam or dyke's upstream slope;

"**Geotechnical Engineer**" means a professional engineer registered with the Association of Professional Engineers, Geologist and Geophysicists of Nunavut and whose principal field of specialization with the engineering properties of earth materials in dealing with man-made structures and earthworks that will be built on a site. These can include shallow and deep foundations, retaining walls, dams, and embankments;

"**Grab Sample**" means an undiluted quantity of material collected at a particular time and place that may be representative of the total substance being sampled at the time and place it was collected;

"**High Water Mark**" means the usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to change the characteristics of the land (ref. Department of Fisheries and Oceans Canada, Operational Statement: Mineral Exploration Activities);

"ICP Scan" means the laboratory method for determining trace metals in leachate or Water through Emission Spectroscopy using inductively coupled plasma (including from approximately 22 to 32 elements, depending on the laboratory performing the analysis);

"**Inspector**" means an Inspector designated by the Minister under Section 85 (1) of the *Act*;

"**Licensee**" means the holder of this Licence;

"**Modification**" means an alteration to a physical work that introduces a new structure or eliminates an existing structure and does not alter the purpose or function of the work, but does not include an expansion;

"**Monitoring Program**" means a monitoring program established to collect data on surface water and groundwater quality to assess impacts to the freshwater aquatic environment of an appurtenant undertaking;

"**Nunavut Agreement**" means the *"Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada*", including its preamble and schedules, and any amendments to that agreement made pursuant to it;

"**Regulations**" means the *Nunavut Waters Regulations SOR/2013-69 18th April, 2013*;

"**Secondary Containment**" means an impermeable structure, external to and separate from primary containment, which prevents unplanned spills of hazardous materials and provides a minimum capacity of 110% of the original vessel. Where multiple vessels are stored within the containment, it must provide a minimum capacity equal to the sum of the largest vessel and 10% of the aggregate volume of all other vessels located in the containment. This structure shall also provide containment and control of hoses and nozzles;

"**Sewage**" means all toilet wastes and greywater;

"**Sewage Disposal Facility**" means the Facility designed for the disposal of toilet wastes and greywater, as described in the Operation & Maintenance Plan for Municipal Water Licence: Sewage Disposal Facilities, dated August 2026;

"**Solid Waste Disposal Facility**" means the area comprised of, and the associated structures designed to contain solid Waste as described in the Operation & Maintenance Plan for Municipal Water Licence: Solid Waste Supply Facilities, dated March 2025;

"**Spill Contingency Plan**" means a Plan developed to deal with unforeseen petroleum and hazardous materials events that may occur during the operations conducted under the Licence;

"**Sump or Sumps**" A structure or depression that collects, controls, and filters liquid waste before it is released to the environment. This structure should be designed to prevent erosion while allowing percolation of liquid waste;

"**Waste**" means, as defined in S.4 of the *Act*, any substance that, by itself or in combination with other substances found in water, would have the effect of altering the quality of any water to which the substance is added to an extent that is detrimental to its use by people or by any animal, fish or plant, or any water that would have that effect because of the quantity or concentration of the substances contained in it or because it has been treated or changed, by heat or other means;

"**Waste Disposal Facilities**" means all facilities designated for the disposal of Waste, and includes the Sewage Disposal Facility and Solid Waste Disposal Facility (including the bulk metal, Hazardous Waste and wood disposal Area), as described in the Application for Water Licence renewal filed by the Applicant on August 31, 2026;

"**Water**" **or** "**Waters**" means waters as defined in section 4 of the Act; and

"**Water Supply Facility**" includes the new Water Intake Facility and the new Water Treatment Plant, as described in the Application and supporting document and in the Operation & Maintenance Plan for Municipal Water Licence: Water Supply Facilities,

dated August 2026 submitted with the Renewal Application on August 31, 2026, and illustrated in the IFC drawings prepared by Dillon Consulting, dated April 2026;

3. Enforcement

a. Failure to comply with this Licence will be a violation of the *Act*, subjecting the Licensee to the enforcement measures and the penalties provided for in the *Act*;

b. All inspection and enforcement services regarding this Licence will be provided by Inspectors appointed under the *Act*; and

c. For the purpose of enforcing this Licence and with respect to the use of water and deposit or discharge of waste by the Licensee, Inspectors appointed under the *Act*, hold all powers, privileges and protections that are conferred upon them by the *Act* or by other applicable law.

PART B: GENERAL CONDITIONS

1. The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board no later than March 31 of the year following the calendar year being reported, containing the following information:

a. Tabular summaries of all data generated under the "Monitoring Program";
b. Daily, monthly and annual quantities in cubic metres of fresh Water obtained at the Water Supply Facility and/or for all purposes under the licence;
c. Daily, monthly and annual quantities in cubic metres of all Waste discharged;
d. A summary of any open burning undertaken under Part D, Item 8, including quantity and details of the waste being burned, along with photographic evidence of site cleanup;
e. Summary of modifications and/or major maintenance work carried out on the Water Supply Facility and Waste Disposal Facilities, including all associated structures;
f. A list of unauthorized discharges and summary of follow-up action taken;
g. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
h. Any Addendum with updates or revisions for manuals and plans (including *Operations and Maintenance Manuals/Plans*) as required by changes in operation and/or technology;
i. A summary of any studies or reports requested by the Board that relate to the use of Water and Waste disposal or restoration, and a brief description of any future studies planned; and
j. Any other details on Water or Waste deposit requested by the Board by November 1 of the year being reported.

2. The Licensee shall comply with the "Monitoring Program" described in this Licence, and any amendments to the "Monitoring Program" as may be made from time to time, pursuant to the conditions of this Licence.

3. The "Monitoring Program" and compliance dates specified in the Licence may be modified at the discretion of the Board in writing.

4. The Licensee shall, maintain the necessary signs, where possible, to identify the stations of the "Monitoring Program". All signage postings shall be in the Official Languages of Nunavut, and shall be located and maintained to the satisfaction of an Inspector.

5. The Licensee shall notify the NWB of any changes in operating plans or conditions associated with this project at least thirty (30) days prior to any such change.

6. The Licensee shall install flow meters or other such devices, or implement other such methods as approved by the Board in writing, for the measuring of water volumes as required under Part H.

7. The Licensee shall, for all Plans submitted under this Licence, include a proposed timetable for implementation. Plans submitted, cannot be undertaken without subsequent written Board approval and direction. The Board may alter or modify a Plan if necessary to achieve the legislative objectives and will notify the Licensee in writing of acceptance, rejection or alteration of the Plan.

8. The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board in writing.

9. The Licensee shall review the Plans referred to in this Licence, as required by changes in operation and/or technology, and modify the Plan accordingly. Revisions to the Plans shall be submitted in the form of an Addendum to be included with the Annual Report.

10. Every Plan to be carried out pursuant to the terms and conditions of this Licence shall become a part of this Licence, and any additional terms and condition imposed upon approval of a Plan by the Board become part of this Licence. All terms and conditions of the Licence should be contemplated in the development of a Plan where appropriate.

11. The Licensee shall ensure a copy of this Licence is maintained at the Municipal Office at all times. Any communication with respect to this Licence and any notice provided to an Inspector, shall be made in writing to the attention of:

    (a) Manager of Licensing:
    Nunavut Water Board
    P.O. Box 119
    Gjoa Haven, NU X0B 1J0

Telephone: (867) 360-6338
Fax: (867) 360-6369
Email: licensing@nwb-oen.ca

(b) Inspector Contact:
Manager of Field Operations, CIRNA
Nunavut District, Nunavut Region
918 Nunavut Drive
Iqaluit, NU X0A 3H0
Telephone: (867) 975-4284

12. The Licensee shall submit one electronic copy of all reports, studies, and plans to the Board. Reports or studies submitted to the Board by the Licensee shall include a detailed executive summary in Inuktitut and Inuinnaqtun.

13. The Licensee shall ensure that all document(s) and correspondence submitted by the Licensee to the Board are received and acknowledged by the Manager of Licensing.

14. This Licence is not assignable except as provided in Section 44 of the Act.

15. The expiry or cancellation of this Licence does not relieve the Licensee from any obligation imposed by the Licence, or any other regulatory requirement.

PART C: CONDITIONS APPLYING TO WATER USE

1. The Licensee shall obtain Water for all purposes under this Licence from Sanikiluaq Lake.

2. The annual quantity of Water obtained for all purposes shall not exceed one hundred and nine thousand (109,000) cubic metres, at a maximum daily withdrawal rate that shall not exceed two hundred and ninety-nine (299) cubic metres.

3. The use of Water from streams or any water bodies not identified in Part C, Item 1, is prohibited unless authorized and approved by the Board in writing.

4. The Licensee shall equip all water intake hoses with a screen of an appropriate mesh size to ensure that fish are not entrained and shall withdraw water at a rate such that fish do not become impinged on the screen.

5. The Licensee shall not remove any material from below the ordinary High Water Mark of any water body unless otherwise approved by the Board in writing.

6. The Licensee shall not cause erosion to the banks of any waterbody and shall provide necessary controls to prevent such erosion.

7. The Licensee shall implement sediment and erosion control measures, prior to and during operations, to prevent entry of sediment into Water.

8. The Licensee shall submit to the Board for approval in writing, at least thirty (30) days prior to the use of Water in sufficient volume that the source water body may be drawn down, the following information: volume required, hydrological overview of the water body, details of impacts, and proposed mitigation measures.

9. The Licensee shall maintain the Water Supply Facility to the satisfaction of the Inspector.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall direct all Sewage generated by its undertaking to the Sewage Disposal Facility.

2. The Licensee shall provide a minimum of ten (10) days' notice to an Inspector of the intent to discharge Effluent from the Sewage Disposal Facility.

3. All Effluent discharged from the Sewage Disposal Facility at Monitoring Program Station SAN-4 shall be measured for the parameters listed under this term and shall not exceed the following Effluent quality limits:

Parameter	Maximum Concentration of Any Grab Sample
pH	between 6 and 9
BOD_5	120 mg/L
Total Suspended Solids	180 mg/L
Fecal Coliforms	1×10^6 CFU/100mL
Oil and grease	No visible sheen

4. The Licensee shall maintain at all times, a freeboard of at least 1.0 metre, or as recommended by a qualified Geotechnical Engineer and as approved by the Board in writing, for all dams, dykes or other structures intended to contain, withhold, divert or retain Water or Waste.

5. The Sewage Disposal Facility shall be maintained and operated in such a manner as to prevent structural failure.

6. The Licensee shall manage all solid Waste generated by its undertaking and/or disposed of at the Solid Waste Disposal Facility in accordance with acceptable standard and practices.

7. The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding waters, unless otherwise approved by the Board in writing.

8. The Licensee shall provide a minimum of ten (10) days' notice to an Inspector, of the intent to open-burning municipal waste in accordance with the Government of Nunavut's *Environmental Guideline for the Burning and Incineration of Solid Waste* (Revised 2012), at the designated location at the Solid Waste Disposal Facility, including the details of the types and quantity of waste to be burned, proposed dates, protocols to be followed, ultimate disposal of residual ash and the person responsible for the activity.

9. The Licensee shall segregate and store all hazardous materials and/or Hazardous Waste within the Solid Waste Disposal Facility in such a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at an approved facility.

10. The Licensee shall, implement measures to ensure Hazardous Waste and/or leachate from the Solid Waste Disposal Facility does not enter Water.

PART E: CONDITIONS APPLYING TO MODIFICATIONS AND CONSTRUCTION

1. The Licensee shall submit to the Board for review, for construction design drawings stamped by a qualified Engineer, sixty (60) days prior to the construction of any dams, dykes or structures intended to contain, withhold, divert or retain Water or Waste.

2. The Licensee may, without written approval from the Board, carry out modifications to the Water Supply Facility and Waste Disposal Facilities provided that such modifications are consistent with the terms of this Licence and the following requirements are met:

    a. the Licensee has notified the Board in writing of such proposed Modifications at least sixty (60) days prior to beginning the Modifications;
    b. such Modifications do not place the Licensee in contravention of the Licence or the Act;
    c. such Modifications do not constitute "significant modifications" that require conformity assessment by the Nunavut Planning Commission and/or impact assessment by the Nunavut Impact Review Board before consideration by the NWB;
    d. within sixty (60) days following notification of the proposed Modifications, the Licensee, Nunavut Planning Commission, Nunavut Impact Review Board, designated Inuit organization or responsible regulatory authority has not indicated that any conformity determination, impact assessment, compensation negotiations or other consideration of the Modification that must be completed before the NWB can consider the Modification will take longer than 45 days; and

e. the Board has not, within sixty (60) days following notification of the proposed Modifications, informed the Licensee that the NWB's consideration of the proposed Modification will require more than sixty (60) days.

3. The Modifications for which all of the conditions referred to in Part E, Item 2, have not been met, may only be carried out upon written approval from the Board. The Licensee shall provide as-built plans and drawings of the Modifications referred to in this Licence within ninety (90) days of completion of the Modification. These plans and drawings shall be stamped by an Engineer.

4. The Licensee shall, within ninety (90) days of completion of Modification or Construction of facilities and/or infrastructure associated with the project, submit to the Board a Construction Summary Report along with stamped as-built plans and drawings, providing explanation to reflect any deviations from the issued for construction drawings, taking into account construction and field decisions and how they may affect the performance of engineered facilities.

5. All activities shall be conducted in such a way as to minimize impacts on surface drainage and the Licensee shall immediately undertake any corrective measures in the event of any impacts on surface drainage.

6. The Licensee shall implement and maintain sediment and erosion control measures prior to and during activities carried out under this Part, to prevent negative impacts to Water resulting from the release of sediment and to minimize erosion.

7. With respect to earthworks, the deposition of debris or sediment into or onto any Water body is prohibited. These materials shall be disposed of at a distance of at least thirty-one (31) metres from the ordinary High Water Mark in such a fashion that they do not enter the Water.

8. The Licensee shall only use material that is free of contaminants, for construction, operation, and maintenance activities and that is obtained from approved sources, demonstrated not to be potentially acid generating and metal leaching.

PART F: CONDITIONS APPLYING TO OPERATIONS AND MAINTENANCE

1. The Licensee shall implement the plan entitled "Environmental Emergency Contingency Plan for Municipal Water Licence" dated March 2025, which is being approved by the Board with the issuance of this Licence.

2. The Licensee shall implement the plan entitled "Operation & Maintenance Plan for Municipal Water Licence: Solid Waste Disposal Facilities", dated March 2025, which is being approved with the issuance of this Licence.

3. The Licensee shall implement the plan entitled "Operation & Maintenance Plan for Municipal Water Licence: Sewage Disposal Facilities", dated August 2026, which is being approved with the issuance of this Licence.

4. The Licensee shall implement the plan entitled "Operation & Maintenance Plan for Municipal Water Licence: Water Supply Facilities", dated August 2026, which is being approved with the issuance of this Licence.

6. An inspection of all engineered facilities related to the management of Water and Waste shall be carried out by an Engineer at a minimum of once annually, and before commissioning any engineered facility related to the management of Water and Waste. The Engineer's report shall be submitted to the Board within sixty (60) days of the inspection, including a cover letter from the Licensee outlining an implementation plan to address each of the Engineer's recommendations.

7. An inspection of all engineered facilities related to the management of Water and Waste shall be conducted by a Geotechnical Engineer in accordance with the Canadian Dam Safety Guidelines, at least one (1) year prior to the expiry of the Licence, during the open Water period (June/July/August). The Geotechnical Engineer's report shall be submitted to the Board for review within sixty (60) days of the inspection, including a cover letter from the Licensee outlining an implementation plan to address the Engineer's recommendations.

8. The Licensee shall perform more frequent inspections of the engineered facilities at the request of the Inspector.

9. The Licensee shall, during the term of this Licence, undertake the following activities in addition to any other required action should an unauthorized discharge of waste occur or if such a discharge is foreseeable:

    a. Employ the appropriate contingency measures as approved under the Spill Contingency Plan for the Hamlet of Sanikiluaq;
    b. Report the incident immediately via the online Spill Reporting Webform or by calling the NWT/NU 24-Hour Spill Reporting Line at (867) 920-8130 and to the Inspector at (867) 975-4284; and
    c. Submit to the Inspector, a detailed report on each occurrence, not later than thirty (30) days after initially reporting the event, that provides the necessary information on the location (including the GPS coordinates), initial response action, remediation/clean-up, status of response (ongoing, complete), proposed disposal options for dealing with contaminated materials and preventative measures to be implemented.

11. The Licensee shall, in addition to Part F, Item 9, regardless of the quantity of releases of harmful substances, report to the NWT/NU 24-Hour Spill Line (or the online Spill Reporting Webform) if the release is near or into a Water body.

PART G: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION

1. The Licensee shall submit to the Board for approval a *Closure and Reclamation Plan* at least six (6) months prior to abandoning any facilities or upon submission of the final design drawings for the construction of new facilities to replace existing ones. Where applicable, the Plan shall include information on the following:

    a. water intake facility;
    b. the water treatment and waste disposal sites and facilities;
    c. petroleum and chemical storage areas;
    d. any site affected by waste spills;
    e. leachate prevention;
    f. an implementation schedule;
    g. maps delineating all disturbed areas, and site facilities;
    h. consideration of altered drainage patterns;
    i. type and source of cover materials;
    j. future area use;
    k. hazardous wastes; and
    l. a proposal identifying measures by which restoration costs will be financed by the Licensee upon abandonment.

2. The Licensee shall complete all restoration work within the time schedule specified in the Plan, or as subsequently revised and approved by the Board.

3. The Licensee shall carry out progressive reclamation of any components of the Undertaking no longer required for the Licensee's operations.

4. In order to promote growth of vegetation and the needed microclimate for seed deposition, all disturbed surfaces shall be prepared by ripping, grading, or scarifying the surface to conform to the natural topography.

5. Areas that have been contaminated by hydrocarbons shall be reclaimed to meet objectives as outlined in the Government of Nunavut's Environmental Guideline for Site Remediation, January 2002. The use of reclaimed soils for the purpose of back fill or general site grading may be carried out only upon consultation and approval by the Government of Nunavut, Department of Environment and an Inspector.

PART H: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licensee shall maintain Monitoring Program Stations at the following locations:

Monitoring Station ID	Description	Status
SAN-1	Raw Water Supply Intake at Sanikiluaq Lake	Active (Volume)
SAN-2	Runoff from the Final Discharge Point of the Solid Waste Disposal Facility	Active (Quality)
SAN-3	Raw Wastewater at truck offload point (existing drop-off point)	Active (Quantity)
SAN-4	Effluent discharge from the Final Discharge Point of the Sewage Disposal Facility	Active (Quantity) (Quality)
SAN-5	Runoff from the Unauthorized Disposal Area, before entering the Sewage Lagoon	Active (Quality, New)

2. The Licensee shall measure and record, in cubic metres, the daily, monthly, and annual quantities of Water extracted for all purposes at Monitoring Program Station SAN-1.

3. The Licensee shall measure and record in cubic metres, the daily, monthly and annual quantities of raw sewage offloaded from trucks at Monitoring Program Station SAN-3.

4. The Licensee shall measure and record in cubic metres, when flow is occurring, the monthly and annual quantities of Effluent discharged from SAN-4.

5. The Licensee shall sample at SAN-4, a minimum of three (3) times annually, once upon commencing discharge, once half-way through discharge and once just prior to the end of discharge.

6. All Samples obtained at SAN-4 shall be analyzed for the following parameters:

Biological Oxygen Demand (BOD5)	Fecal Coliforms
pH	Conductivity
Total Suspended Solids	Oil and Grease (visual)
Nitrate-Nitrite	Ammonia Nitrogen
Chloride	Sulphate
Sodium	Potassium
Magnesium	Calcium
Total Hardness	Total Alkalinity
Total Arsenic	Total Aluminum

Total Cadmium
Total Chromium
Total Cobalt
Total Iron
Total Copper
Total Manganese
Total Lead
Total Nickel
Total Mercury
Total Organic Carbon (TOC)
Total Zinc

7. The Licensee shall measure and record the annual quantities of sludge removed from the sewage lagoon, along with the methods of storage, treatment and disposal. This information shall be included in the Annual Report.

8. The Licensee shall sample for Water quality analysis at Monitoring Stations SAN-2 and SAN-5 once per month in June, July and August during periods of observed flow. Samples shall be analyzed for the parameters listed in Part H Item 6, as well as Total Petroleum Hydrocarbons.

9. The Licensee shall conduct all sampling, sample preservation and analyses in accordance with methods prescribed in the current edition of *Standard Methods for the Examination of Water and Wastewater*, or by such other methods approved by a certified laboratory.

10. All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the current edition of *Standard Methods for the Examination of Water and Wastewater*, or by such other methods approved by the Board.

11. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.

12. The Licensee shall include all of the data and information required by the Monitoring Program, as required under Part B, Item 1, or as requested by an Inspector.

13. Modifications to the Monitoring Program may be made only upon written approval from the NWB. Requests for changes to the Monitoring Program should be forwarded to the NWB in writing, and should include the justification and appropriate evidence to support the change.

14. Additional monitoring stations, sampling and analysis may be requested by an Inspector.