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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No: **1BR-PLR2527**

May 12, 2025

Charlotte Lamontagne
Director – Contaminated Sites Program
Crown-Indigenous Relations & Northern Affairs Canada – Nunavut Region
969 Sivumugiaq St
Iqaluit, NU, X0A 3H0
Email: Charlotte.lamontagne@rcaanc-cirnac.gc.ca

RE: NWB Licence No: 1BR-PLR2527

Dear Ms. Lamontagne,

Please find attached Licence No: **1BR-PLR2527** (Licence) issued to the Crown-Indigenous Relations & Northern Affairs Canada – Contaminated Sites Program (CIRNA-CSP or Licensee) for the Pelly Lake Remediation Project 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.

The NWB strongly recommends that the Licensee consult the comments received from intervening parties on issues identified. This information is attached for your consideration¹.

Sincerely,

Lootie Toomasie
Nunavut Water Board
Chair

LT/as/rh

Enclosure: Licence No: **1BR-PLR2527**
Comments – CIRNA, ECCC, DFO

Cc: Kivalliq Distribution List

¹ Crown-Indigenous Relations and Northern Affairs Canada (CIRNA), March 3, 2025; Environment and Climate Change Canada (ECCC), March 3, 2025; and Fisheries and Oceans Canada (DFO), March 3, 2025.

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DECISION

LICENCE NUMBER: 1BR-PLR2527

This is the decision of the Nunavut Water Board (NWB or Board) with respect to an application received on January 21, 2025 for a new Water Licence made by:

CROWN-INDIGENOUS RELATIONS AND NORTHERN AFFAIRS CANADA – CONTAMINATED SITES PROGRAM (CIRNA-CSP), GOVERNMENT OF CANADA

to allow for the camp operations, water use and deposit of waste during remediation activities for the Pelly Lake Remediation Project located near Pelly Lake within the Kivalliq Region, Nunavut, generally located at the geographical coordinates as follows:

Project Extents:

Latitude: 66° 03' 13.30" N	Longitude: 101° 03' 21.19" W
Latitude: 66° 03' 19.68" N	Longitude: 101° 03' 1.03" W
Latitude: 66° 03' 9.23" N	Longitude: 101° 02' 19.15" W
Latitude: 66° 02' 57.05" N	Longitude: 101° 02' 40.81" W

Camp:	Latitude: 66° 03' 4.74" N	Longitude: 101° 02' 35.68" W
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DECISION

After having been satisfied that the Application is outside the area of an applicable regional land use plan² and receiving the Nunavut Impact Review Board (NIRB) Screening Decision³ stating that a review of the project is not required in accordance with s. 92(1)(a) of the *Nunavut Planning and Project Assessment Act*, S.C. 2013, c. 14, s. 2 (*NuPPAA*), 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: 1BR-PLR2527 be issued subject to the terms and conditions contained therein (Motion #: 2025-B1-004)

Signed this 12th day of May, 2025 at Gjoa Haven, NU.

Lootie Toomasie
Nunavut Water Board, Chair

LT/as/rh

² Nunavut Planning Commission (NPC) Confirmation Determination, August 22, 2024;

³ Nunavut Impact Review Board (NIRB) Screening Decision, November 29, 2024.

I. BACKGROUND

The Pelly Lake Remediation Project (Project) location is a former airstrip and fuel cache site, reportedly used as a base by Spartan Air Services, from 1954 to 1956, who was contracted by the Federal Government to take aerial photographs of the region. The Site is located approximately 6 km to the northeast of Pelly Lake, within the Kivalliq region. The nearest communities are Baker Lake (250 km southeast of Pelly Lake) and Gjoa Haven (350 km northeast of Pelly Lake). The Site is uninhabited and located on Crown Land.

Throughout the years, various materials and structures were left at the Site. The Remedial Action Plan (RAP), submitted with the Application, indicates several dilapidated structures, 49 x 1,000-gallon fuel tanks, 710 barrels of petroleum products (including oil lubricants, aviation fuel, oil, tar, and soil contaminated with tar, and 101 cans of aviation oil), pieces of equipment, and the remains of a “Mosquito” aircraft. Investigations confirm that the site contains impacted sediment that poses a risk to human and ecological health, as well as hazardous and non-hazardous debris. A limited cleanup was reportedly conducted in 1996 but did not remove everything from the Site.

This Project will involve the demolition of buildings, removal of hazardous and non-hazardous debris, the excavation and packaging of lead impacted sediments exceeding the ecological component values (70 mg/kg) from the Canadian Council of Ministers of the Environment (CCME) Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health for agricultural land use (CCME 1999).

The proposed work is anticipated to be completed in two stages, encompassing two summers and one winter. Phase 1 will occur over 8-12 weeks in Summer 2025 with the mobilization of the Project team and equipment, execution of the remedial works and demobilization of equipment. Phase 2 will occur over 4-8 weeks in Winter 2026 with the demobilization of waste materials and extend into Summer 2026 with a final inspection and removal of any remaining items.

Based on the findings of the Phase III ESA and the HHERA, the area requiring remedial action are categorized into Impacted Sediment, Hazardous Waste and Non-Hazardous Waste. Excavation and southern off-site disposal, was selected as the preferred method of remediation after community engagement sessions and a Remedial Options Assessment (ROA).

Personnel and staff will be housed on Project site in a temporary camp. It is anticipated that the site cleanup will require approximately 12 to 15 workers on site completing the cleanup activities. Wildlife monitors, equipment operators and labourers will be sourced from local communities where possible.

II. PROCEDURAL HISTORY

On **January 21, 2025**, the Nunavut Water Board received an application for a type B Water Licence for a Remediation Project. The following documents were submitted with the Application:

- Application for Water Licence
- Annex 1 - Plain language Project summary - Pelly Lake (English)
- Annex 2 - Plain language Project summary - Pelly Lake (Inuktitut)
- Annex 3 - Pelly Lake - Remedial Action Plan
- Annex 4 - Pelly Lake Spill Contingency Plan
- Annex 5 - Pelly Lake Site Maps
- Annex 6 - Pelly Lake - Environmental Impact Assessment Report
- Annex 7 - Pelly Lake NPC Conformity Check
- Annex 8 - Pelly Lake NIRB Screening Decision Report
- Annex 9 - Pelly Lake - Archaeological Impact Assessment
- Annex 10 - Pelly Lake Human Health and Ecological Risk Assessment

On **January 31, 2025**, 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. Parties were invited to make representations to the NWB by **March 3, 2025**.

Submissions were received from Crown-Indigenous Relations and Northern Affairs (CIRNA), Environment and Climate Change Canada (ECCC) and Fisheries and Oceans Canada (DFO), on **March 3, 2025**. CIRNA in their submission stated that they had no comments at this time. The Licensee provided responses on April 7, 2025. On April 14, 2025, ECCC confirmed that their recommendations were adequately addressed. DFO responded on April 23, 2025, that their concerns were addressed by the Applicant's responses.

The NWB has placed in its Public Registry copies of the Application and all comments received from Interveners. This information can be accessed on the NWB's FTP site using the following link:

<https://public.nwb-oen.ca/registry/1%20INDUSTRIAL/1B/1BR%20-%20Remediation/1BR-PLR2527%20CIRNA/>

III. 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.

Scope of Undertaking

The scope of this Licence allows the following activities in support of a remediation project:

- Mobilization of equipment, materials / wastes and personnel
- Temporary camp set-up, operation and demobilization
- Hazardous material removal & off-site disposal
- Non hazardous materials / debris consolidation and off-site disposal
- Excavation & treatment and off-site disposal of contaminated soils
- Final demobilization from site of equipment, materials / wastes and personnel

Term

In accordance with s. 45 of the Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSTRA or the Act), the NWB may issue a licence for a term not exceeding twenty-five (25) years. In determining an appropriate term for a renewal 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 two (2) year term for this Licence. The intervening parties in their submissions did not comment on the term requested for the Licence. The Board has decided to approve the Licence for a **two (2) year term**. In so doing, the Board believes and expects that this two-year term will provide the Licensee with opportunities to remediate the site and consistently abide by the terms and conditions in the Licence over time and provide ongoing compliance record prior to a need for possible 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 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:

<ftp://ftp.nwb-oen.ca/other documents/Standardized Forms/>

Water Use

The Licensee has stated that they will use water from Drinking Water Lake, which is located near the proposed camp area.

Up to 10 cubic meters (m³) of water per day of water is estimated to be required for camp use and up to 40 m³ of water per day for remediation activities. Total water use authorized under this Licence is 50 m³ per day.

The raw water will be pumped to the camp via a pump and water intake pipe will be equipped with a small mesh screen. Terms and conditions related to water use are included under Part C, Item 1 of the Licence.

Deposit of Waste

Greywater will be directed to a sump excavated away from the camp, any natural drainage course, or any water body. Self-contained toilets will be used for blackwater and contains will be packed and removed for disposal in southern licensed facilities.

All waste oil and hazardous waste will be consolidated and shipped off-site for disposal at an approved southern facility.

Any Effluent resulting from camp domestic use, equipment decontamination, secondary containment (for hazardous materials storage) and drum processing will be treated on site and may be discharged to a sump, if it meets the discharge criteria in Part D, Item 7 of the Licence. If the discharge criteria are not met, then the Effluent will be stored in containers to be removed for off-site disposal in a southern licensed facility.

The criteria in Part D, Item 7 was developed by CIRNA for the clean-up of contaminated sites in Nunavut, and is derived using the Canadian Environmental Protection Act (CEPA), Canadian Council of Ministers of the Environment (CCME) and DEW-Line Clean-up (DLCU) criteria.

Camp

A temporary camp will be set up to house personnel. The temporary camp will be removed at the end of the summer program and will be re-established for the winter program. Conditions applying to camp use are included in Part E of the Licence.

Spill Contingency Planning

The Applicant will adhere to and implement the Spill Contingency Plan, included in the document entitled *Spill Prevention Plan, Pelly Lake Remediation Project, dated August 2024* that was submitted during the application and is being approved by the Board.

Closure and Reclamation

All equipment and camp facilities will be demobilized once all the waste has been removed from the site. The transportation of hazardous materials will follow the Transportation of Dangerous Goods (TDG) Regulations.

The Applicant will adhere to and implement the plan entitled *Remedial Action Plan for Pelly Lake Former Airstrip and Fuel Cache Site, Pelly Lake, Nunavut dated December 14, 2023* that was submitted with the Application.

Monitoring

General monitoring requirements have been included in Part I of the Licence.

Summary of comments

Environment and Climate Change Canada (ECCC)

1. ECCC requested details on post-remediation monitoring to be included in the final inspections at the site.

Response: The Applicant stated that “*the remediation plan is to remove almost all waste and leave no hazardous nor potentially hazardous material on-site. The only remaining material would be the old D4 bulldozer, a large steel cart, and an old turbine aircraft engine. This is because of the logistical complexity of removing them. These items will be inspected for any remaining fuels/liquids within the equipment and the paint will be tested for lead and PCBs. If there are any liquids within the large equipment, they will be drained, placed into suitable containers or drums for shipment off site. If the paint contains lead or PCBs, it will be scraped off and placed into suitable containers or drums for shipment off site. Any remaining material will be considered inert. Furthermore, no containment infrastructure will be built, rather as stated, all material will be removed from the site.*”

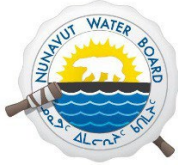
Further the Applicant stated that sampling will be completed to confirm all contaminated material (sediment) has been removed, and that no environmental impacts from any

remedial activities have incurred.

Fisheries and Oceans Canada (DFO)

1. DFO recommended that the Applicant follow DFO's protective measures for fish and fish habitat and standard codes of practice, NU in-water works restricted activity timing windows, End-of-pipe fish protection screens for small water intakes and DFO Protocol for Winter Water Withdrawal in the NWT (2010) and not withdrawal more than 10% of under-ice water volumes. Finally, DFO stated that since this proposal meets the criteria for a site-specific review, the Applicant should complete and submit the request for review form.

Response: The Applicant stated that they will comply with the Fisheries Act and implement all the recommendation for protection to fish and fish habitat. They have also initiated the process for a site-specific review.



NUNAVUT WATER BOARD WATER LICENCE

Licence No: 1BR-PLR2527

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

**CROWN-INDIGENOUS RELATIONS & NORTHERN AFFAIRS CANADA –
CONTAMINATED SITES PROGRAM (CIRNA-CSP), GOVERNMENT OF CANADA**
(Licensee)

969 SIVUMUGIAQ, IQALUIT, NUNAVUT X0A 3H0

(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 replacement Licence:

Licence Number/Type: **1BR-PLR2527 TYPE B**

Water Management Area: **BACK WATERSHED (31)**

Location: **KIVALLIQ REGION, NUNAVUT**

Classification: **INDUSTRIAL UNDERTAKING (REMEDIATION)**

Purpose: **USE OF WATER AND DEPOSIT OF WASTE**

Quantity of Water use not
To Exceed: **FIFTY (50) CUBIC METERS PER DAY**

Effective Date: **MAY 12, 2025**

Expiry of Licence: **MAY 11, 2027**

This Licence 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 an Industrial (remediation) undertaking classified as per Schedule 1 of the *Regulations* at the Pelly Lake Remediation Project, located near Baker Lake, within the Kivalliq Region of Nunavut, generally at the following geographical coordinates:

Project Extents:

Latitude: 66° 03' 13.30" N	Longitude: 101° 03' 21.19" W
Latitude: 66° 03' 19.68" N	Longitude: 101° 03' 1.03" W
Latitude: 66° 03' 9.23" N	Longitude: 101° 02' 19.15" W
Latitude: 66° 02' 57.05" N	Longitude: 101° 02' 40.81" W

Camp:	Latitude: 66° 03' 4.74" N	Longitude: 101° 02' 35.68" W
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- 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, landfarm 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.2d* the *Engineering and Geoscience Professions Act S.N.W.T. 2006, c.16 Amended by S.N.W.T. 2009, c.12*;

“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;

“Greywater” means all liquid Wastes from showers, baths, sinks, kitchens and domestic washing facilities, but does not include toilet Wastes;

“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);

“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*;

“Sewage” means all toilet Wastes and greywater;

“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;

“Toilet Wastes” means all human excreta and associated products, but does not include greywater;

“Waste” or “Wastes” 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 including temporary and permanent storage and sorting areas; and

“Water” or “Waters” means waters as defined in section 4 of the *Act*.

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 the 31st March of the year following the calendar year being reported, containing the following information:

- a. A summary report of water use and waste disposal activities;
 - b. A list of unauthorized discharges and a summary of follow-up actions taken;
 - c. Any revisions to the Spill Contingency Plan, Closure and Reclamation Plan, and other plans associated with the Licence, as required by Part B, Item 9, submitted in the form of an Addendum;
 - d. Description of all progressive and or final reclamation work undertaken, including photographic records of site conditions before, during and after completion of operations;
 - e. A summary of all information requested and results of the Monitoring Program;
 - f. A summary of work done to address concerns or deficiencies listed in the inspection reports and/or compliance reports prepared by an Inspector;
 - g. An executive summary in English and Inuktitut of all plans, reports, or studies conducted under this Licence; and
 - h. Any other details on water use or waste disposal requested by the Board by the 1st November of the year being reported.
- a. 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.
5. 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.
 6. The Licensee shall implement suitable methods required for measuring the volumes of Water associated with the project as required under Part I, Item 1.
 7. The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board in writing.
 8. 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 conditions 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.
 9. The Licensee shall review the Plans referred to in this Licence as required by changes in operation and/or technology and modify the Plans accordingly. Revisions to the Plans are to be submitted in the form of an Addendum to be included with the Annual Report required by Part B, Item 1, complete with a revisions list detailing where significant content changes are made.
 10. The Licensee shall ensure a copy of this Licence is maintained at the site of operations at all times. Any communication with respect to this Licence 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
Fax: (867) 979-6445

11. The Licensee shall submit one (1) 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.
12. The Licensee shall ensure that any document(s) or correspondence submitted by the Licensee to the NWB is received and acknowledged by the Manager of Licensing.
13. This Licence is assignable as provided for in Section 44 of the Act.
14. 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 is authorized to use up to fifty (50) cubic metres of Water per day from Drinking Water Lake, for camp (domestic) uses and industrial uses to support remediation activities as described in the Application.
2. The use of Water from streams or any water body not identified in Part C, Item 1, is prohibited unless authorized and approved by the Board in writing.
3. The Licensee shall not remove any material from below the ordinary High-Water Mark of any water body unless authorized by the Board.
4. The Licensee shall not cause erosion to the banks of any water body and shall provide necessary controls to prevent such erosion.
5. The Licensee shall implement and maintain sediment and erosion control measures prior to and during the operation to prevent entry of sediment and/or dust into Water.

PART D: CONDITIONS APPLYING TO WASTE AND WASTE MANAGEMENT

1. The Licensee shall locate areas designated for Waste disposal at a minimum distance of thirty-one (31) metres from the ordinary High-Water Mark of any water body such that the quality, quantity or flow of Water is not impaired, unless otherwise approved by the Board in writing.
2. The Licensee shall not practice on-site landfilling of domestic Waste, unless otherwise approved by the Board in writing.
3. The Licensee shall backhaul and dispose of all hazardous Wastes, Waste oil and non-combustible Waste generated through the course of the operation at a licensed Waste disposal site.
4. 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.
5. The Licensee shall provide to the Board, documented authorization from the Hamlet of Baker Lake, or any other community in Nunavut, prior to the backhauling and disposal of any Waste in that community.
6. The Licensee may contain all greywater in a Sump located at a distance of at least thirty-one (31) metres above the ordinary High-Water Mark of any water body, at a site where direct flow into a water body is not possible and no additional impacts are created, unless otherwise approved by the Board in writing.
7. All Contact water from equipment decontamination, tank and drum cleaning and associated with the storage and cleaning of contaminated areas shall not exceed the following Effluent discharge criteria prior to releasing into the receiving environment:

Parameter	Maximum Allowable Concentration (µg/L)
pH	6 to 9 (pH units)
Total Suspended Solids (mg/L)	50
Arsenic (total)	100
Cadmium (dissolved)	10
Chromium (dissolved)	100
Cobalt (dissolved)	50
Copper (dissolved)	200

Parameter	Maximum Allowable Concentration (µg/L)
Lead (dissolved)	50
Mercury (total)	0.6
Nickel (dissolved)	200
PCB (total)	1000
Zinc (total)	500
Benzene (µg/L)	370
Toluene (µg/L)	2
Ethylbenzene (µg/L)	90
Oil & Grease (mg/L)	15 and no visible sheen

8. The Licensee shall collect and temporarily store in preparation for future off-site disposal, all water generated from the storage and segregation of solid waste, rinse water resulting from decontamination processes or procedures as well as water derived from excavation activities that does not meet the Effluent quality limits in Part D, Item 7.
9. The Final Discharge point for the Effluent described in Part D, Item 7 shall be situated at a minimum of thirty-one (31) metres from the ordinary High-Water Mark of any water body and where direct or indirect flow into a water body is not possible and no additional impacts are created.
10. The Licensee shall backhaul all hazardous Waste, Waste oil, in accordance with the Transportation of Dangerous Goods Act, for disposal at an approved Waste disposal facility.
11. The Licensee shall maintain records of all Waste backhauled and records of confirmation of proper disposal of backhauled Waste. These records shall be made available to an Inspector upon request.

PART E: CONDITIONS APPLYING TO CAMPS, ACCESS INFRASTRUCTURE AND OPERATIONS

1. The Licensee shall not erect camps or store material on the surface of frozen streams or lakes including the immediate banks except what is for immediate use. Camps shall be located such as to minimize impacts on surface drainage.
2. Stream crossings shall be a minimum of five hundred (500) meters from spawning areas.
3. With respect to access road, pad construction or other earthworks, the deposition of debris or sediment into or onto any water body is prohibited. These materials shall be disposed 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.

4. The Licensee shall implement appropriate measures prior to, during, and following excavation of soil, to prevent or minimize impact to water.
5. The Licensee shall implement proper handling, storage and transportation procedures for the management of hazardous materials during execution of the Project.
6. The Licensee shall minimize disturbance to terrain, permafrost and drainage during extraction of granular material, movement of contractor's equipment and personnel around the site and removal of site debris.

PART F: CONDITIONS APPLYING TO MODIFICATIONS AND CONSTRUCTION

1. The Licensee may, without written consent from the Board, carry out Modifications to the Water Supply Facilities 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 are consistent with the NIRB Screening Decision;
 - d. the Board has not, during the sixty (60) days following notification of the proposed Modifications, informed the Licensee that review of the proposal will require more than sixty (60) days; and
 - e. the Board has not rejected the proposed Modifications.
2. Modifications for which all of the conditions referred to in Part G, Item 1 have not been met can be carried out only with written approval from the Board.
3. 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.

PART G: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

1. The Licensee shall implement the Plan entitled *Spill Prevention Plan, Pelly Lake Remediation Project*, dated August 2024, that was submitted as additional information with the Application and was approved by the Board with the issuance of this Licence.
2. The Licensee shall prevent any chemicals, petroleum products or wastes associated with the project from entering water. All sumps and fuel caches shall be located at a distance of at least thirty-one (31) metres from the ordinary High-Water Mark of any adjacent water body and inspected on a regular basis.

3. The Licensee shall carry out any equipment maintenance and servicing in designated areas and shall implement special procedures (such as the use of drip pans) to manage motor fluids and other waste and contain potential spills.
4. If during the term of this Licence, an unauthorized discharge of waste occurs, or if such a discharge is foreseeable, the Licensee shall:
 - a. Employ the approved Spill Contingency Plan;
 - b. Report the spill immediately to the NWT/NU 24-Hour Spill Line at (867) 920-8130 and to the Inspector at (867) 975-4284; and
 - c. For each spill occurrence, submit to the Inspector, no later than thirty (30) days after initially reporting the event, a detailed report that will include the amount and type of spilled product, the GPS location of the spill, and the measures taken to contain and clean up the spill site.
5. The Licensee shall, in addition to Part G, Item 4, regardless of the quantity of releases of harmful substances, report to the NWT/NU 24-Hour Spill Line if the release is near or into a water body.

PART H: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION

1. The Board has approved the Plan entitled *Remedial Action Plan for Pelly Lake Former Airstrip and Fuel Cache Site, Pelly Lake, Nunavut* dated December 14, 2023 that was submitted as additional information with the Application.
2. The Licensee shall carry out progressive reclamation of any components of the project no longer required for the Licensee's operations.
3. The Licensee shall remove from the site, all infrastructure and site materials, including all fuel caches, drums, barrels, material and equipment prior to the expiry of this Licence.
4. The Licensee shall backfill and restore, all temporary containment sumps, to the preexisting natural contours of the land.
5. All roads shall be re-graded to match natural contours to reduce erosion.
6. All disturbed areas shall be stabilized and re-vegetated as required, upon completion of work, and restored as practically as possible to a pre-disturbed state

PART I: CONDITIONS APPLYING TO MONITORING PROGRAM

1. The Licensee shall measure and record the volume of Water used for all purposes under this Licence.

2. The Licensee shall record the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where wastes associated with camp operations are deposited.
3. The Licensee shall confirm the locations and GPS coordinates for all Monitoring Program Stations with an Inspector.
4. All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the most recent edition of *Standard Methods for the Examination of Water and Wastewater*, or by such other methods approved by the Board.
5. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.
6. The Licensee shall submit to the Board for review, at least 30 days prior to the first release of Effluent, a Quality Assurance/Quality Control (QA/QC) Plan. The Plan shall include up-to-date sampling methods to all applicable standards and acceptable to an accredited laboratory.
7. Additional monitoring requirements may be requested by the Inspector.
8. The Licensee shall include in the Annual Report required under Part B, Item 1 all data, monitoring results and information required by this Part.