



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.

Sincerely,

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Lootie Toomasie  
Nunavut Water Board  
Chair

LT/ng/rqd

Enclosure: Water Licence No: 1BR-SIM2237

Comments: CIRNA

Cc: Distribution List – Kitikmeot

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## DECISION

### LICENCE NO: 1BR-SIM2237

This is the decision of the Nunavut Water Board (NWB or Board) with respect to an application dated December 9, 2021 for the renewal of a Water Licence made by:

### CROWN-INDIGENOUS RELATIONS AND NORTHERN AFFAIRS (CIRNA)

to allow for the use of Water for the continued monitoring activities at the CAM-D Distant Early Warning (DEW) Line Site, located within the Kitikmeot Region, Nunavut, generally at the following geographical coordinates:

Site location :                      Latitude : 68° 35' N      Longitude : 91° 57' W

## DECISION

After having been satisfied that the Application is for a proposal that is outside of an area of an applicable regional Land Use Plan<sup>1</sup> and is exempt from the requirement for screening by the Nunavut Impact Review Board (NIRB)<sup>2</sup> as described within section 12.4.3/Schedule 12-1 of the *Nunavut Agreement*, subject to the terms and conditions recommended in the original March 28, 2008 Screening Decision Report No: 08DN011, 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-SIM1520 be replaced with Licence No: 1BR-SIM2237 subject to the terms and conditions contained therein (Motion #: 2022-B1-015).**

Signed this 28<sup>th</sup> day of SEPTEMBER 2022 at Gjoa Haven, NU.

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Lootie Toomasie  
Nunavut Water Board Chair  
LT/ng/rqd

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1. Nunavut Planning Commission (NPC) Confirmation Determination, dated December 15, 2021.  
2. Nunavut Impact Review Board (NIRB) Screening Decision Report, dated March 28, 2008.

## I. INTRODUCTION

The CAM-D (Simpson Lake) Intermediate Distant Early Warning (DEW) Line Site is centrally located on the Boothia Peninsula, approximately 80 km west of Kugaaruk and 120 km southeast of Taloyoak, within the Kitikmeot Region, Nunavut. The CAM-D DEW Line Site was constructed by the Department of National Defence (DND) and was operated from 1957 until 1963, when the site was taken out of service and the responsibility of this site was assumed by Indigenous and Northern Affairs Canada (INAC, now Crown-Indigenous Relations and Northern Affairs, CIRNA) in 1965.

In 1985, the Department of Indian Affairs and Northern Development (DIAND, now CIRNA), Department of National Defence (DND) and Environment Canada (EC, now Environment and Climate Change Canada, ECCC) conducted a partial cleanup of the CAM-D Site and identified related environmental hazards. A Short-Range Radar facility was constructed between 1992 and 1995, 1 km east of the CAM-D site. A 1994 scientific investigation of the site was conducted by the Environmental Sciences Group of Royal Roads Military College, where sampling took place and Tier I and Tier II contaminated soils were identified. As has been the practice at similar DEW line facilities, a detailed site investigation was undertaken prior to the commencement of remediation activities. Based on this assessment, a comprehensive site remediation work plan and reference document entitled *CAM-D DEW Line Site, Simpson Lake, Nunavut, Remedial Action Plan*, dated December 2007, was developed whereby remediation options for each Waste stream identified at the site were proposed and critically evaluated to discuss potential risks, advantages and disadvantages of each remediation option. The *Remedial Action Plan (RAP)* was designed to meet cleanup objectives, in accordance with the *AANDC Abandoned Military Site Remediation Protocol*, dated March 2005, as follows:

- Restore the site to an environmentally safe condition;
- Prevent the migration of contaminants into the Arctic ecosystem;
- Remove physical hazards for the protection of human health and safety; and
- Implement a cost-effective remediation solution.

The CAM-D site remediation commenced in 2010 and final demobilization to southern disposal sites occurred in September 2012. To contain the soils and Waste left on site, a Non-Hazardous Waste Landfill (NHWL) was constructed in 2012. The remediation activities were completed in 2012 and the remediation included the following activities:

- Mobilization of equipment, materials and personnel to site by winter cat train;
- Airstrip improvement;
- Road improvement;
- Camp set-up and operation;
- Quarrying of gravel and overburden materials;
- Landfill construction and closure;
- Sewage Lagoons construction, operation and decommissioning;
- Hazardous materials removal, handling and transportation;
- Temporary storage on site for Hazardous materials, equipment and fuels;
- Building and infrastructure demolition;

- Debris consolidation and disposal;
- Excavation of petroleum hydrocarbon (PHC) contaminated soils and disposal off site;
- Excavation and removal of metals and PCB contaminated paint from site;
- Site grading; and
- Demobilization of equipment, removal of materials/Wastes including Hazardous Wastes and personnel.

A temporary camp was set up at the site to facilitate the remediation activities. Upon completion of site remediation, all camp facilities, including equipment and excess fuel, were removed from the site. The post remediation monitoring activities have followed the schedule identified in the approved “*CAM-D (Simpson Lake) Monitoring Plan*”, dated February 22, 2010, which consists of three recommended phases:

- Phase I: years 1, 3 and 5;
- Phase II: years 7, 10, 15 and 25 (if required); and
- Phase III: beyond year 25 (if required)

Monitoring at the CAM-D site is currently in Phase II of the post-remediation monitoring plan. A Long-Term Monitoring report developed by BluMetric Environmental has been provided for Phase II monitoring activities conducted during the year 2020. The Long-Term Monitoring report submitted details the activities carried-out: observation of the natural environment (water, visual, and soil), data/sample collection, picture recordings, site map updates and recommendations. An evaluation of the Phase II monitoring data will be carried out based on the findings during the next visit.

## II. FILE HISTORY

Crown-Indigenous Relations and Northern Affairs (CIRNA) has held Water Licences with the NWB since 2014, as outlined in Table 1.

**Table 1. Project Licensing History**

Licence No.	Date Issued	Comments
1BR-SIM0813	November 25, 2008	Original Water Licence was issued
1BR-SIM0813	Jun 17, 2010	An amendment to the existing Licence was issued relating to the Water use and deposit of Waste
1BR-SIM1520	August 17, 2015	Renewed Water Licence was issued

### III. APPLICATION PROCEDURAL HISTORY

On December 9, 2021, Crown-Indigenous Relations and Northern Affairs (CIRNA) submitted to the NWB an application requesting to renew the Water Licence No: 1BR-SIM1520, which expired on August 16, 2020. Following receipt of the Application, the NWB conducted a preliminary internal technical review of the full Application package, which identified that the application was complete. Having completed the preliminary technical review, the Board distributed the Application for a thirty (30) day public review period with a deadline set at July 25, 2022. The Application to renew Licence No: 1BR-SIM1520 included the following documents:

- NWB Application for Water Licence Renewal, dated December 9, 2021;
- NPC Letter, dated December 15, 2021;
- NIRB Screening Decision Report, dated March 28, 2008;
- Site Maps; and
- Long Term Monitoring Report, dated February 18, 2021.

On July 20, 2022 comments were received from CIRNA recommending the file for renewal.

### 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

In accordance with s. 45 of the *Act*, the NWB may issue a Licence for a term not exceeding twenty-five (25) years. In determining an appropriate term for a replacement 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 fifteen (15) year term for the Licence. There were no comments received on the term requested for the renewal Licence. The Applicant has stated that the requested term includes some contingency for unforeseen requirements arising in the future.

The Board has therefore granted the fifteen (15) year term requested by the Licensee. In so doing, the Board believes that this fifteen-year term will provide the Licensee with opportunities to assess and monitor the facility.

#### 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. Annual reporting information is kept in the NWB's public registry, as well as made available to interested persons upon request. The Board

notes that the Licensee indicated in its Application that the Annual Report will be provided as a Monitoring Report for the applicable Licence along with a summary table for all Licences currently in care of the DND. The NWB would like to emphasize that the NWB standardized form should be used for annual reporting at all times. This form can be supplemented by the Monitoring Program Report and any other relevant information specific to the Project. The NWB's "Standardized Form for Annual Reporting" can be obtained from its FTP site using the following link:

<ftp://ftp.nwb-oen.ca/other%20documents/Standardized%20Forms/>

Since the onset of this Licence, till a decade of conducting monitoring activities, the Licensee submitted Annual Reports for the years 2010, from 2012 to 2018, 2020 and 2021. The Phase I long-term monitoring at CAM-D, Simpson Lake, involved intermittent monitoring events and therefore, the Board does not require a comprehensive Annual Report from the Licensee during non-active years, however, in place of an Annual Report the Licensee shall continue to provide written notification to the Board indicating the activity and, if applicable, that no sampling events occurred at the site for the given year. These conditions are reflected in the Licence under Part B.

#### Water Use

The expired Licence authorized the Water use to one (1) cubic meter per day. The current Licence includes the same quantity of Water use for conducting sampling activities. The Board does not have any concerns with respect to the quantity of Water requested and has therefore set the maximum Water use for all purposes under this Licence at no more than one (1) cubic meter per day, to allow for some flexibility, under Part C, Item 1 in the Licence. If the Licensee requires Water in quantities greater than that allowed under the Licence, the Licensee will be required to submit an Amendment Application to the Board for consideration.

#### Deposit of Waste

The Licensee has mentioned that no camp site will be established for conducting the monitoring activities. It is indicated that solid Waste (paper towel, Kim wipes, filters, Teflon tubing) less than 0.5 cubic meters will be generated at the site that will be backhauled to off-site to a landfill. The Board, having duly considered these issues and the submission of the Applicant, has set the terms and conditions in the Water Licence, which govern the disposal of solid Waste during the proposed undertaking accordingly.

#### Monitoring

The Licensee shall conduct its monitoring activities in accordance with the approved "*CAM-D Simpson Lake Long Term Monitoring Plan*", dated February 22, 2010, and also based on the observations noted in "*CAM-D Simpson Lake Long Term Monitoring Event 2020 Long Term Monitoring Report*", dated February 18, 2021.





# NUNAVUT WATER BOARD REPLACEMENT WATER LICENCE

**Licence No: 1BR-SIM2237**

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 AND NORTHERN AFFAIRS CANADA**

(Licensee)

**PO BOX 2200, IQALUIT, NU X0A 0H0**

(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 Replacement:

Licence Number/Type: **1BR-SIM2237 / TYPE "B"**

Water Management Area: **KAZAN WATERSHED (07)**

Location: **CAM-D (SIMPSON LAKE) INTERMEDIATE DEW LINE SITE, KITIKMEOT REGION, NUNAVUT**

Classification: **INDUSTRIAL UNDERTAKING**

Purpose: **DIRECT USE OF WATER**

Quantity of Water use not to Exceed: **ONE (1) CUBIC METRE PER DAY**

Effective Date: **SEPTEMBER 28, 2022**

Expiry of Licence: **SEPTEMBER 27, 2037**

This Replacement 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**

- a. This Licence allows the implementation of long-term monitoring program following the remediation activities at the CAM-D (Simpson Lake) Intermediate DEW Line Site, located approximately 120 km southeast of Taloyoak and 80 km west of Kugaaruk within the Kitikmeot Region, Nunavut, at a latitude of 68°35'N and longitude of 91°57'W.
- b. This Licence is issued subject to the conditions contained herein with respect to 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
- c. 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;

“**Analyst**” means an Analyst designated by the Minister under Section 85 (1) of the *Act*;

“**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 Land Claims Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*;

“**CAM-D**” means the former Distant Early Warning (DEW) Line site at Simpson Lake, the current monitoring site;

**“Effluent”** means treated or untreated liquid Waste material that is discharged into the environment from a structure such as a settling pond, land farm 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 and the Engineering and Geoscience Professions Act S.N.W.T. 2006, c.16 Amended by S.N.W.T. 2009, c.12*;

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

**“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;

**“Hazardous Waste”** means Waste classified as “Hazardous” by Nunavut Territorial or Federal Legislation, or as “dangerous goods” under the Transportation of Dangerous Goods Act at the time of clean-up;

**“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);

**“Minister”** means the Minister of Northern Affairs;

**“Monitoring Program”** means a program established to collect data on surface Water, groundwater, and soil quality to assess impacts to the 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;

**“Non-Hazardous Waste Disposal Facility”** comprises the Non-Hazardous Waste Landfill as described in the *“CAM-D Simpson Lake Monitoring Plan”*, dated February 22, 2010.

**“Post Remediation Plan”** refers to the Long-Term *“CAM-D Simpson Lake Monitoring Plan”*, dated February 22, 2010 and submitted on May 16, 2022.

**“Regulations”** means the *Nunavut Waters Regulations* SOR/2013-69 18<sup>th</sup> April, 2013;

**“Sewage”** means all toilet Wastes and greywater;

**“Solid Waste”** means non-hazardous waste and Type A soil;

**“Solid Waste Disposal Facilities”** comprises the area and associated structures designed to contain solid Waste and to permanently isolate the contents of the disposal facility from the environment as described in the Application for Water Licence filed by the Applicant.

**“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”** means 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”** 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.

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

**“Water Licence or Licence”** means this Licence, 1BR-SIM12237;

### **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 31st of the year following the calendar year being reported, containing the following information:
  - a. A summary report of Water use activities;
  - b. A summary of any construction work, modification and major maintenance work (including as-built diagrams) carried out on existing Solid Waste Disposal Facilities;
  - c. Tabular summaries for all data and information generated under the “Monitoring Program”.
  - d. An analysis of data collected during the Monitoring Program and a brief description of any future studies planned by the Licensee;
  - e. The results of any review conducted and any recommendations regarding any changes to the Monitoring Plan and/or technology;
  - f. A summary of remediation work undertaken during the year and an outline of work anticipated for the following year;
  - g. Water use or reclamation, and a brief description of any future studies planned;
  - h. A list of unauthorized discharges and summary of follow-up actions taken;
  - i. Any revisions to the remediation plan;
  - j. Any updates or revisions for manuals and plans as required by changes in operation and/or technology;
  - k. If applicable; a description of any trenches, and sumps excavated, including but not limited to the following: GPS coordinates, dimensions, depth below active layer, and secondary containment features;
  - l. A brief summary of work done to address concerns or deficiencies listed in the inspection reports and/or compliance reports prepared by an Inspector;
  - m. An executive summary in English and Inuktitut of all plans, reports, or studies conducted under this Licence; and
  - n. Any other details on Water use requested by the Board by year being reported.
2. 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.
3. In years where no monitor events occur, pursuant to Part B, Item 1, the Licensee shall file a written notice with the Board, informing it that no monitoring event took place for the given year, and/or also indicating what activities did take place (including Licence site inspections, reports filed, updated plans, etc.). This written notice shall be submitted no later than March 31st of the year following the calendar year being reported.
4. 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.
5. The Monitoring Program and compliance dates specified in the Licence may be modified at the discretion of the Board.

6. 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 objective and will notify the Licensee in writing of acceptance, or rejection or alterations of the Plan.
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 post signs in the appropriate areas to identify the stations of the Monitoring Program and to inform the public of the location of the Landfill. All signage postings shall be in the Official Languages of Nunavut.
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](mailto:licensing@nwb-oen.ca)
  - b. **Inspector Contact:**  
Manager of Field Operations, CIRNA  
Nunavut District, Nunavut Region  
P.O. Box 100  
Iqaluit, NU X0A 0H0  
Telephone: (867) 975-4284  
Fax: (867) 979-6445
11. The Licensee shall submit an 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 volume of Water for the purpose of groundwater sampling shall not exceed one (1) cubic meter per day.
2. The Licensee shall not remove any material from below the ordinary High-Water Mark of any water body.
3. The Licensee shall not conduct any activity that will cause erosion to the banks of any body of Water and shall provide necessary controls to prevent such erosion.
4. 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.
5. Equipment used should be well cleaned and free of oil and grease and maintained free of fluid leaks. The Licensee shall ensure that pollutants from machinery used during construction do not enter Water.

**PART D: CONDITIONS APPLYING TO WASTE DISPOSAL**

1. The Licensee shall locate areas designated for Waste disposal including all pump-out Water 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 land filling of domestic Waste, unless otherwise approved by the Board in writing.
3. The Licensee shall backhaul and dispose of all Hazardous Waste oil and non-combustible Waste generated through the course of the operation at a licensed Waste disposal site.
4. The Licensee shall provide to the Board, documented authorization from any community in Nunavut receiving Wastes from the CAM-D Simpson Lake DEW Line Site Monitoring Program prior to any backhauling and disposal of wastes to those communities.
5. The Licensee shall maintain records of all Waste backhauled and records of confirmation of proper disposal of backhauled Waste and include this information within the Annual Report, Part B, Item 1.

**PART E:      CONDITIONS APPLYING TO THE UNDERTAKING**

1. The Licensee shall conduct all activities in such a way as to minimize impacts on surface drainage and immediately undertake any corrective measures in the event of any impacts on surface drainage.
2. The Licensee shall not cause erosion to the banks of any body of Water and shall provide necessary controls to prevent such erosion.
3. The Licensee shall minimize disturbance to terrain, permafrost and drainage during movement of contractor's equipment and personnel around the site during post closure monitoring activities.
4. All sites affected by sampling activities shall be stabilized, landscaped as necessary, and suitable erosion control measures implemented to minimize sediment deposition into watercourses located on or adjacent to the site.
5. The Licensee shall implement proper handling, storage and transportation procedures for hazardous materials to prevent entry to any water body.

**PART G:      CONDITIONS      APPLYING      TO      CONSTRUCTION      AND  
MODIFICATIONS**

1. The Licensee 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. 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
  - d. 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 H:      CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING**

1. 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 and to the Board, 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.
2. The Licensee shall, in addition to Part H, Item 1, 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 I:      CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION**

1. The Licensee shall backfill and restore, all temporary containment sumps, to the pre-existing natural contours of the land.
2. All roads and airstrip, if any, shall be re-graded to match natural contour to reduce erosion.
3. 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.
4. 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.
5. Areas that have been contaminated by hydrocarbons from normal fuel transfer procedures shall be reclaimed to meet objectives as outlined in the Government of Nunavut's Environmental Guideline for Site Remediation, January 2009. 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.
6. All disturbed areas shall be contoured and stabilized upon completion of work and restored to a pre-disturbed state.

**PART J:        CONDITIONS APPLYING TO THE MONITORING PROGRAM**

1.     The Board has approved the Plan entitled “*CAM-D (Simpson Lake) Monitoring Plan*” dated February 22, 2010 and submitted on May 16, 2022 as additional information with the Application. Any changes or updates to this Plan, shall be submitted as an addendum with the Annual Monitoring Reports referred to in Part B, Item 1 and 2.
2.     The Licensee shall carry out the long-term monitoring activities as defined in the Monitoring Plan approved in Part J, item 1, including any amendments as approved by the board.
3.     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 the Board.
4.     All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing
5.     The Licensee shall ensure that tabular summaries for all data and information generated under the “Monitoring Program”, as well as an analysis of data collected during the “Monitoring Program,” are provided to the Board in the Annual Report, in accordance with Part B, Item 1.
6.     The Licensee shall provide the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of Water are utilized for all purposes.
7.     The Licensee shall submit a Preliminary Phase II Monitoring Summary Report as part of the relevant Annual Report. The Report shall summarize data collected during Phase II monitoring, and include information on the integrity of the Waste Disposal Facilities. The Report shall also address whether the facilities have performed as expected and are encased in permafrost. The report must include an assessment of how the facilities are expected to perform in the long term as well as appropriate recommendations.
8.     Additional monitoring requirements may be imposed by the Inspector.