

Type B Water Licence S19L8-002
GNWT-INF – Great Bear River Bridge In-water Geotechnical Investigation Project

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PART A: SCOPE AND DEFINITIONS

1. Scope:

- a) This Licence entitles the Licensee to use Water, and deposit Waste for miscellaneous undertakings and associated uses for the in-water geotechnical investigation for the proposed Great Bear River Bridge construction, Tulita, Northwest Territories.

The scope of this Licence includes the following:

- i. In-water geotechnical drilling;
 - ii. Depositing of Waste (drill mud and associated waste) to waste management facility, Tulita, NT.
- b) This Licence is issued subject to the conditions contained herein with respect to the use of Water and the deposit of Waste 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 Commissioner in Executive Council under the *Waters 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 automatically amended to conform with such Regulations.
- c) Compliance with the term and conditions of this Licence does not relieve the Licensee from responsibility for compliance with the requirements of any applicable federal, territorial, Tlicho, Deline, or municipal legislation.

2. Definitions

Act - the *Waters Act*.

Board – the Sahtu Land and Water Board established under Part 3 of the *Mackenzie Valley Resource Management Act*.

Discharge - a direct or indirect release of any Waters or Waste to the Receiving Environment.

Drilling Fluid – any liquid mixture including, but not limited to clay, Water, sediment, hydrocarbons, or chemical additives, that is pumped down-hole while drilling is specifically related to drilling activity.

Drilling Waste – Waste materials associated with drilling.

Engagement Plan - a document, developed in accordance with the Mackenzie Valley Land and Water Board's *Engagement and Consultation Policy* and the *Engagement Guidelines for Applicants and Holders of Water Licences and Land Use Permits*, that clearly describes how, when and which engagement activities will occur with an affected party during the life of the Project.



Inspector - an Inspector designated by the Minister under subsection 65(1) of the *Waters Act*.

Licensee - the holder of this Licence.

Minister - the Minister of the Government of the Northwest Territories – Environment and Natural Resources.

Ordinary High-Water Mark - 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. In flowing waters (rivers, streams), this refers to as active channel/bank-full level, which is often the 1:2-year flood flow return level. In inland lakes, wetlands or marine environments, it refers to those parts of the Watercourse bed and banks that are frequently flooded by Water so as to leave a mark on the land and where the natural vegetation changes from predominantly aquatic vegetation to terrestrial vegetation (excepting water tolerant species). For reservoirs, this refers to normal high operating levels (full supply level).

Project - the undertaking described in Part A, item 1.

Receiving Environment - the natural/aquatic environment that receives any deposit or Discharge of Waste or Water, including runoff, from the undertaking.

Runoff – The overland flow of Water or Wastewater that occurs when precipitation, meltwater, or other Water is not absorbed by the land, and instead drains down slope towards a Watercourse.

Spill Contingency Plan (SCP) – a document, developed in accordance with INAC's *Guidelines for Spill Contingency Planning*.

Traditional Knowledge - the cumulative, collective body of knowledge, experience and values built up by a group of people through generations of living in close contact with nature. It builds upon the historic experiences of a people and adapts to social, economic, environmental, spiritual, and political change.

Unauthorized Discharge - a release or Discharge of any Waters or Waste not authorized under this Licence.

Waste - any substance defined as Waste by Section 1 of the *Waters Act*.

Waste Management Plan (WMP) - a document, developed in accordance with the Mackenzie Valley Land and Water Board's *Guidelines for Developing a Waste Management Plan*, that describes the methods of Waste management from Waste generation to final disposal.

Wastewater - any Water that is generated by Project activities, or originates on-site, and which contains Waste, and requires treatment or any other Water management activity, and includes, but is not limited to, Runoff, Seepage, Minewater, and Effluent.

Water - any Water as per section 1 of *Waters Act*.



Watercourse- a natural watercourse, body of Water or Water supply, whether usually containing Water or not, and includes Groundwater, springs, swamps, and gulches.

Waters Regulations - The regulations proclaimed pursuant to Section 63 of the *Waters Act*.

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PART B: GENERAL CONDITIONS

1. The Licensee shall ensure a copy of this Licence is maintained on site at all times.
2. The Licensee shall take every reasonable precaution to protect the environment.
3. In conducting its activities under this Licence, the Licensee shall make every reasonable effort to consider and incorporate any scientific information and Traditional Knowledge that is made available to the Licensee.
4. All references to policies, guidelines, codes of practice, statutes, regulations, or other authorities shall be read as a reference to the most recent versions, unless otherwise denoted.
5. The Licensee shall ensure that all submissions to the Board:
 - a. Are in accordance with the Mackenzie Valley Land and Water Board's *Document Submission Standards*; and
 - b. Includes a section within each submission which identifies where the pertinent requirements of this Licence, or other direction from the Board, are addressed; and
 - c. Include any additional information requested by the Board.
6. The Licensee shall ensure management plans are submitted to the Board in a format consistent with the Mackenzie Valley Land and Water Board's *Standard Outline for Management Plans*, unless otherwise specified.
7. The Licensee shall comply with all plans and studies approved pursuant to the conditions of this Licence, including such revisions made as per the conditions of this Licence, and as approved by the Board.
8. If any submission is not approved by the Board, the Licensee shall revise the submission according to the Board's direction and resubmit it for approval. Each revised submission shall include a list of material revisions.
9. If any date for any submission falls on a weekend or holiday, the Licensee may submit the item on the following business day.
10. The Licensee shall install, operate, and maintain meters, devices, or other such methods used for measuring the volumes of Water used and Waste discharged to the satisfaction of an Inspector.
11. The Licensee shall comply with the **Engagement Plan**, once approved.
12. A minimum of ten days prior to commencement of the Project, the Licensee shall provide written notification to the Board and an Inspector. Notification shall include the commencement date, and the name and contact information for the Project superintendent. Any updates shall be provided to the Board and an Inspector in writing as changes occur.



13. The Licensee shall provide written notification about the completion of the project to the Board and an Inspector.
14. The Licensee shall immediately provide written notification to the Board and an Inspector of any non-compliance with the conditions of this Licence or any direction from the Board pursuant to the conditions of this Licence.
15. The Licensee shall install, operate, and maintain meters, devices, or other such methods used for measuring the volumes of Water used to the satisfaction of an Inspector.

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PART C: WATER USE

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PART D: WASTE AND WATER MANAGEMENT

1. The Licensee shall manage Waste and Water with the objective of minimizing the impacts of the Project on the quantity and quality of Water in the Receiving Environment through the use of appropriate mitigation measures, monitoring, and follow-up actions.
2. The Licensee shall comply with the **Waste Management Plan and Addendum**, once approved.
3. Within 60 days following the effective date of this Licence, the Licensee shall submit to the Board, for approval, a revised **Waste Management Plan Addendum**. The Licensee shall not commence Project activities prior to Board approval of the Plan.
4. The Licensee shall dispose of all Waste as described in the approved Waste Management Plan.
5. The Licensee shall not Discharge Waste, including Wastewater, to any Watercourse, or to the ground surface within 100 metres of the Ordinary High-Water Mark of any Watercourse.
6. A minimum of ten days prior to depositing any Waste into a licenced municipal facility, the Licensee shall provide written notification to the Board and an Inspector.

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PART E: SPILL CONTINGENCY PLANNING

1. The Licensee shall ensure that Unauthorized Discharges associated with the Project do not enter any Waters.
2. The Licensee shall comply with the **Spill Contingency Plan and Addendum**, once approved.
3. Within 60 days following the effective date of this Licence, the Licensee shall submit to the Board, for approval, a revised **Spill Contingency Plan Addendum**. The Licensee shall not commence Project activities prior to Board approval of the Plan.
4. During the period of this Licence, if a spill or an Unauthorized Discharge occurs or is foreseeable, the Licensee shall:
 - a) Implement the approved Spill Contingency Plan referred to in Part E, condition 2;
 - b) Report it immediately using the NU-NT Spill Report Form by one of the following methods:
 - Telephone: (867) 920-8130
 - Fax: (867) 873-6924
 - E-mail: spills@gov.nt.ca
 - Online: Spill Reporting and Tracking Database
 - c) Within 24 hours, notify the Board and an Inspector; and
 - d) Within 30 days of initially reporting the incident, submit a detailed report to the Board and an Inspector, including descriptions of causes, response actions, and any changes to procedures to prevent similar occurrences in the future. Any updates to this report shall be provided to the Board and an Inspector in writing as changes occur.
5. The Licensee shall ensure that adequate spill prevention infrastructure and spill response equipment is in place prior to commencement of the Project.
6. The Licensee shall restore all areas affected by spills and Unauthorized Discharges to the satisfaction of an Inspector.

Signed on behalf of the Sahtu Land and Water Board

Larry Wallace, Chair

Aswathy Mary Varghese, Witness



Annex A: Table of Revision History for Water Licence S19L8-002

List of changes that have been made to the Water Licence since issuance:

Date	Location of Change	What has changed
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