

DRAFT Type B Water Licence G22L3-001

Gwich'in Tribal Council Rachel Reindeer Wellness Camp – Type B water Licence

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Part A: Scope and Defined Terms

Scope:

		Condition Title
1.	<p>This Licence entitles the Licensee to carry out Water Use and the deposit of Waste for municipal purposes at the Rachel Reindeer Wellness Camp</p> <p>The scope of this Licence includes the following:</p> <ul style="list-style-type: none">a) Withdrawal of up to 2,0000 m³ freshwater per year from the Mackenzie River East Channelb) Deposit of waste to the Sewage Disposal Facilities.	SCOPE
2.	<p>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. Any change made to the <i>Waters Act</i> and/or the Waters Regulations that affects licence conditions and defined terms will be deemed to have amended this Licence.</p>	LEGISLATION SUBJECT TO CHANGE
3.	<p>Compliance with this Licence does not relieve the Licensee from responsibility for compliance with the requirements of any applicable federal, territorial, or municipal legislation.</p>	LEGISLATIVE COMPLIANCE

Defined Terms

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

Board – Gwich'in Land and Water Board, established under Part 3 of the *Mackenzie Valley Resource Management Act*.

Closure and Reclamation – the process and activities that facilitate the return of areas affected by the Project to viable and, wherever practicable, self-sustaining ecosystems that are compatible with a healthy environment and human activities.

Closure and Reclamation Plan (CRP) – a document, developed in accordance with this Licence, that clearly describes the Closure and Reclamation for the Project.

Construction – any activities undertaken during any phase of the Project to construct or build any structures, facilities or components of, or associated with, the development of the Project.

Discharge – a direct or indirect deposit or release of any Water or Waste to the Receiving Environment.

Effluent – a Wastewater Discharge.

Effluent Quality Criteria (EQC) – numerical or narrative limits on the quality or quantity of the Waste deposited to the Receiving Environment.

Engagement Plan – a document, developed in accordance with the MVLWB *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.

Groundwater – as defined in section 1 of the Waters Regulations: all water in a zone of saturation below the land surface, regardless of its origin.

Greywater – all liquid Waste from showers, baths, sinks, kitchens, and domestic washing facilities, but does not include Toilet Waste.

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 Watercourse rises at its highest point and remains for sufficient time so as to change the characteristics of the land. In flowing Watercourses (rivers, streams), this refers to an 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).

Progressive Reclamation – Closure and Reclamation activities conducted during the operating phase of the Project.

Project – the undertaking described in Part A, Condition 1.

Receiving Environment – the natural environment that, directly or indirectly, receives any deposit of Waste from the Project.

Sewage Disposal Facilities – the area(s) and structures designated to contain and treat Sewage.

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

Surveillance Network Program (SNP) – a monitoring program required by this Licence and detailed in Annex A.

Toilet Wastes – all human excreta and associated products, not including Greywater.

Traditional Knowledge – As defined by Gwich'in Tribal Council's *Working with Gwich'in Traditional Knowledge In The Gwich'in Settlement Region*, that body of knowledge, values, beliefs and practices passed from one generation to another by oral means or through learned experience, observation and spiritual teachings, and pertains to the identity, culture and heritage of the Gwich'in. This body of knowledge reflects many millennia of living on the land. It is a system of classification, a set of empirical observations about the local environment, and a system of self-management that governs the use of resources and defines the relationship of living beings with one another and with their environment.

Unauthorized Discharge – a Discharge of any Water or Waste not authorized under this Licence

Waste – as defined in section 1 of the *Waters Act*:

- a) a substance that, if added to water, would degrade or alter or form part of a process of degradation or alteration of the quality of the water to an extent that is detrimental to its use by people or by an animal, fish or plant, or

- b) water that contains a substance in such a quantity or concentration, or that has been so treated, processed or changed, by heat or other means, that it would, if added to other water, degrade or alter or form part of a process of degradation or alteration of the quality of that water to the extent described in paragraph (a) and includes
- c) a substance or water that, for the purposes of the *Canada Water Act*, is deemed to be waste,
- d) a substance or class of substances prescribed by regulations made under subparagraph 63(1)(b)(i),
- e) water that contains a substance or class of substances in a quantity or concentration that is equal to or greater than a quantity or concentration prescribed in respect of that substance or class of substances by regulations made under subparagraph 63(1)(b)(ii), and
- f) water that has been subjected to a treatment, process or change prescribed by regulations made under subparagraph 63(1)(b)(iii).

Waste Management Plan (WMP) – a document, developed in accordance with the MVLWB *Guidelines for Developing a Waste Management Plan*, that describes the methods of Waste management for the Project from Waste generation to final disposal.

Wastewater Treatment Facilities – the area(s) and structures designated for the treatment of Wastewater.

Water – as defined in section 1 of the *Waters Act*: water under the administration and control of the Commissioner, whether in a liquid or frozen state, on or below the surface of land.

Watercourse – as defined in section 1 of the *Waters Regulations*: a natural watercourse, body of Water or Water supply, whether usually containing Water or not, and includes Groundwater, springs, swamps, and gulches.

Water Management Area – a geographical area of the Northwest Territories established by section 2 and Schedule A of the *Waters Regulations*.

Waters Regulations – the regulations proclaimed pursuant to section 63 of the *Waters Act*.

Water Supply Facilities – the area(s) and structures designed to collect, treat, and supply Water for the Project.

Water Use – as defined in section 1 of the *Waters Act*: a direct or indirect use of any kind, including, but not limited to,

- a) a diversion or obstruction of waters,
- b) an alteration of the flow of waters, and
- c) an alteration of the bed or banks of a river, stream, lake or other body of water, whether or not the body of water is seasonal, but does not include a use connected with shipping activities that are governed by the *Canada Shipping Act, 2001*.

	Condition	Condition Title
	Part B: General Conditions	
1.	The Licensee shall ensure a copy of this Licence is maintained on site at all times.	COPY OF LICENCE
2.	The Licensee shall take every reasonable precaution to protect the environment.	PRECAUTION TO PROTECT 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.	INCORPORATE SCIENTIFIC INFORMATION AND TRADITIONAL KNOWLEDGE
4.	In each submission required by this Licence or by any directive from the Board, the Licensee shall identify all recommendations based on Traditional Knowledge received, describe how the recommendations were incorporated into the submission, and provide justification for any recommendation not adopted.	IDENTIFY TRADITIONAL KNOWLEDGE
5.	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 noted.	REFERENCES
6.	The Licensee shall ensure all submissions to the Board: <ul style="list-style-type: none"> a) Are in accordance with the MVLWB <i>Document Submission Standards</i>; b) Include a conformity statement or table which identifies where the requirements of this Licence, or other directives from the Board, are addressed; and c) Include any additional information requested by the Board. 	SUBMISSION FORMAT AND CONFORMITY
7.	The Licensee shall ensure management plans are submitted to the Board in a format consistent with the MVLWB <i>Standard Outline for Management Plans</i> , unless otherwise specified.	MANAGEMENT PLAN FORMAT
8.	The Licensee shall comply with all management plans - including revisions, approved pursuant to the conditions of this Licence.	COMPLY WITH SUBMISSIONS AND REVISIONS

9.	The Licensee shall conduct an annual review of all approved plans and make any revisions necessary to reflect changes in operations, contact information, or other details.	ANNUAL REVIEW
10.	The Licensee may, at any time, propose changes to any plan by submitting revisions to the Board, for approval, a minimum of 90 days prior to the proposed implementation date for the changes. The Licensee shall not implement the changes until approved by the Board.	REVISIONS
11.	The Licensee shall revise any submission and submit it as per the Board's directive.	REVISE AND SUBMIT
12.	If any date for any submission falls on a weekend or holiday, the Licensee may submit the item on the following business day.	SUBMISSION DATE
13.	The Licensee shall comply with the Schedules , which are annexed to and form part of this Licence, and any updates to the Schedules as may be made by the Board.	COMPLY WITH SCHEDULE(S)
14.	The Schedules, the Surveillance Network Program, and any compliance dates specified in this Licence may be updated at the discretion of the Board.	UPDATES TO COMPLIANCE DATE(S)
15.	The Licensee shall comply with all directives issued by the Board in respect of the implementation of the conditions of this Licence.	COMPLY WITH BOARD DIRECTIVES
16.	The Licensee shall ensure signs are posted for all active Surveillance Network Program stations. All sign(s) shall be located and maintained to the satisfaction of an Inspector.	POST SURVEILLANCE NETWORK PROGRAM SIGNS

17.	The Licensee shall install, operate, and maintain meters, devices, or other such methods for measuring the volumes of Water used and Waste discharged, to the satisfaction of an Inspector.	MEASURE WATER USE AND WASTE DEPOSITED
18.	Beginning March 31, 2023 and no later than every March 31 thereafter, the Licensee shall submit an Annual Water Licence Report to the Board and an Inspector. The Report shall be in accordance with the requirements of Schedule 1, Condition 1.	ANNUAL WATER LICENCE REPORT
19.	The Licensee shall comply with the Engagement Plan , once approved.	ENGAGEMENT PLAN
20.	A minimum of ten day prior to the initial commencement of Project activities, 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 individual responsible for overseeing the Project. Written notification shall be provided to the Board and an Inspector if any changes occur.	NOTIFICATION – COMMENCEMENT
21.	The Licensee shall immediately provide written notification to the Board and an Inspector of any non-compliance with the conditions of this Licence.	NOTIFICATION – NON-COMPLIANCE
22.	The Licensee shall ensure that a copy of any written authorization issued to the Licensee by an Inspector is provided to the Board.	COPY – WRITTEN AUTHORIZATION
Part C: Security		
<i>Section Intentionally left blank.</i>		
Part D: Water Use		
1.	<u>Option 1:</u> The Licensee shall only obtain Water for the Project from the Mackenzie River, East Branch. The Licensee may withdraw up to 2,000m ³ per year from this source.	WATER SOURCE AND MAXIMUM VOLUME

2.	The Licensee shall only withdraw Water using the Water Supply Facilities, unless otherwise authorized temporarily in writing by an Inspector.	WATER WITHDRAWAL – FACILITIES
3.	The Licensee shall construct and maintain the Water intake(s) with a screen designed to prevent impingement or entrapment of fish.	WATER INTAKE SCREEN
	Part E: Construction	
1.	The Licensee shall ensure that all structures intended to contain, withhold, divert, or retain Water or Waste are designed, constructed, and maintained to minimize the escape of Waste to the Receiving Environment.	OBJECTIVE – CONSTRUCTION
	Part F: 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.	OBJECTIVE – WASTE AND WATER MANAGEMENT
2.	The Licensee shall deposit all Waste as described in the approved Waste Management Plan .	WASTE MANAGEMENT PLAN
3.	Within 60 days following the effective date of the Licensee shall submit to the Board, for approval, a revised Waste Management Plan .	WASTE MANAGEMENT PLAN
4.	The Licensee shall discharge all Effluent from the Sewage Treatment Facility to the discharge location described in the approved Waste Management Plan .	EFFLUENT DISCHARGE LOCATION
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.	EFFLUENT DISCHARGE SETBACK

6.	<p>The Licensee shall ensure that Effluent from Sewage Treatment Facility at Surveillance Network Program station G13L3-001 – 2 meets the following Effluent Quality Criteria (EQC):</p> <table border="1" data-bbox="459 228 1331 472"> <thead> <tr> <th data-bbox="459 228 898 289">PARAMETER</th> <th data-bbox="898 228 1331 289">MAXIMUM CONCENTRATION</th> </tr> </thead> <tbody> <tr> <td data-bbox="459 289 898 349">Suspended Solids</td> <td data-bbox="898 289 1331 349">25 mg/L</td> </tr> <tr> <td data-bbox="459 349 898 409">CBOD₅</td> <td data-bbox="898 349 1331 409">25 mg/L</td> </tr> <tr> <td data-bbox="459 409 898 472">Faecal Coliforms</td> <td data-bbox="898 409 1331 472">200 cfu/100mL</td> </tr> </tbody> </table> <p>The Waste discharged shall have a pH between 6 and 9, and no visible sheen of oil and grease.</p>	PARAMETER	MAXIMUM CONCENTRATION	Suspended Solids	25 mg/L	CBOD ₅	25 mg/L	Faecal Coliforms	200 cfu/100mL	<p>EFFLUENT QUALITY CRITERIA (EQC Carried over from G13L8-001)</p>
PARAMETER	MAXIMUM CONCENTRATION									
Suspended Solids	25 mg/L									
CBOD ₅	25 mg/L									
Faecal Coliforms	200 cfu/100mL									
	<p>Part G: Aquatic Effects Monitoring</p>									
	<p><i>Section Intentionally Left Blank</i></p>									
	<p>Part H: Spill Contingency Planning</p>									
1.	<p>The Licensee shall ensure that Unauthorized Discharges associated with the Project do not enter any Waters.</p>	<p>OBJECTIVE – PREVENT WASTE INTO WATER</p>								
2.	<p>The Licensee shall comply with the Spill Contingency Plan, once approved.</p>	<p>SPILL CONTINGENCY PLAN</p>								
3.	<p>Within 60 days following the effective date of the Licensee shall submit to the Board, for approval, a revised Spill Contingency Plan.</p>	<p>SPILL CONTINGENCY PLAN – REVISED</p>								

4.	<p>If a spill or an Unauthorized Discharge occurs or is foreseeable, the Licensee shall:</p> <p>a) Implement the approved Spill Contingency Plan referred to in Part H, Condition x;</p> <p>b) Report it immediately using the NU-NT Spill Report Form by one of the following methods:</p> <ul style="list-style-type: none"> • Telephone: (867) 920-8130 • Fax: (867) 873-6924 • E-mail: spills@gov.nt.ca • Online: Spill Reporting and Tracking Database <p>c) Notify the Board and an Inspector immediately; and</p> <p>d) Within 30 days of initially reporting the incident, or within a timeframe authorized by an Inspector, 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. Written notification shall be provided to the Board and an Inspector if any changes occur.</p>	REPORT SPILLS
5.	The Licensee shall ensure that spill prevention infrastructure and spill response equipment is in place prior to commencement of the Project.	SPILL PREVENTION AND RESPONSE EQUIPMENT
6.	The Licensee shall restore all areas affected by spills and Unauthorized Discharges to the satisfaction of an Inspector.	CLEAN UP SPILLS
7.	The Licensee shall not establish any fuel storage facilities or refueling stations, or store chemicals or Wastes within 100 metres of the Ordinary High-Water Mark of any Watercourse.	MATERIAL STORAGE – ORDINARY HIGH-WATER MARK
Part I: Closure and Reclamation		
1.	The Licensee shall comply with the Closure and Reclamation Plan , once approved.	CLOSURE AND RECLAMATION PLAN

Schedule 1 Annual Water Licence Report

1.	The Annual Water Licence Report referred to Condition ANNUAL REPORT of this Licence shall include, but not be limited to, the following information about activities conducted during the previous calendar year:
	a) The monthly and annual quantities in cubic metres of fresh Water obtained from all sources, as required in Part D, Condition 1 of this Licence;
	b) A summary of the calibration and status of the meters and devices referred to in Part B, Condition 17 of this Licence;
	c) A summary of major maintenance activities conducted in accordance with this Licence;
	d) A summary of activities conducted in accordance with the approved Spill Contingency Plan , referred to in Part H, Condition 2 of this Licence, including: <ul style="list-style-type: none"> i. A list and description for all Unauthorized Discharges, including the date, NWT spill number, volume, location, summary of the circumstances and follow-up actions taken, and status (i.e. open or closed), in accordance with the reporting requirements in Part H, Condition 4 of this Licence; and ii. An outline of any spill training carried out
	e) A summary of any updates or revisions to the Spill Contingency Plan, Engagement Plan, and/or Operation and Maintenance Plans, conducted under the Annual Review referred to in Part B Condition 9.
	f) A summary of engagement activities conducted in accordance with the approved Engagement Plan, referred to in Part B, Condition 20 of this Licence
	g) A summary of how any Traditional Knowledge, referred to in Part B Condition 4, was incorporated into decision making;
	h) Tabular summaries of all data and information generated under the SNP annexed to this Licence, in Excel format;
	i) A list of any non-compliance(s) with the conditions of this Licence or any directive from the Board pursuant to the conditions of this Licence;

	j) A summary of results and any action taken as a result of any inspections;
	e) A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector;
	f) A summary of any studies requested by the Board that relate to Waste disposal, Water Use or Reclamation, and a brief description of any future studies planned.
	g) Any other details requested by the Board by December 31 of the year being reported.

Annex A: Concordance Table

Annexed to Water Licence G22L8 -002 - Items Requiring Submission

This table summarizes the information the Licensee is required to submit as per the Water Licence conditions. It supplements the Water Licence. If there are any discrepancies between this table and the body of the Water Licence, the Water Licence conditions prevail.

Table 1: Concordance Table of Items Requiring Submission

Condition	Requirement	Submission Timeline
ANNUAL REVIEW (B.9)	Conduct an annual review of all plans, programs, manuals, and studies and make any revisions necessary to reflect changes in operations, contact information, or other details.	No later than March 31 each year.
REVISIONS (B.10)	Submit revised plans, programs, manuals, and studies to the Board, for approval.	A minimum of 90 days prior to the proposed implementation date for the changes.
ANNUAL WATER LICENCE REPORT (B.17)	Submit an Annual Water Licence Report to the Board and an Inspector, in accordance with the requirements of Schedule 1, Condition 1.	Beginning March 31, 2023, and no later than every March 31 thereafter.
NOTIFICATION – NON-COMPLIANCE (B.20)	Notify Board and Inspector of any non-compliance with the Licence	Immediately
CLOSURE AND RECLAMATION PLAN (I.2)	Submit to the Board, for approval, a Closure And Reclamation Plan accordance with the requirements of Schedule 3	A minimum of six months prior to commencing permanent Closure and Reclamation of the ferry landings.

Annex B: Revision History table

Table 1: Updates and changes that have been made to Licence G22L3-004 since issuance.

Date	Location of Change	Description of Change