



PO Box 32, Wekweètì NT X0E 1W0
Tel: 867-713-2500 Fax: 867-713-2502

#1-4905 48th Street, Yellowknife NT X1A 3S3
Tel: 867-765-4592 Fax: 867-765-4593
www.wlwb.ca

August 18, 2026

File: W2025L2-0005

The Honourable Jay Macdonald
Minister of Environment and Climate Change
Government of the Northwest Territories
P.O. Box 1320
Yellowknife, NT X1A 2L9

Sent by email

Dear Minister Macdonald,

RE: Recommendation for Approval of Water Licence Renewal – Fortune Minerals Limited, NICO Mine – Hislop Lake, NT.

The Wek'èezhì Land and Water Board (Board) has completed its regulatory process for Fortune Minerals Limited (Fortune)'s Water Licence Renewal Application for the NICO Mine, mining and milling operations at Hislop Lake, NT.

As this is a type A Water Licence, the Licence requires your approval and signature for issuance as per section 72.13 of the *Mackenzie Valley Resource Management Act* (MVRMA) and as delegated under Schedule A of the Delegation Instrument under the MVRMA. The Board recommends your approval and signature of Water Licence W2025L2-0005, for a term of 15 years. The Board notes that a 60-day renewal to Licence W2008L2-0004 was necessary given the Application was not submitted within the Board's recommended timeline of at least one year prior to expiration of the previous Licence. The current Licence expires on September 19, 2026.

The Board has also received evidence from the Tłıchǵ Government and Fortune as required by Chapter 23.4 of the *Tłıchǵ Land Claims and Self-Government Agreement*.

Yours sincerely,



Manson Mantla
Chair, Wek'èezhìi Land and Water Board

BCC'd to: Jay Macdonald – Minister of Environment and Climate Change, GNWT
NICO Distribution List
Rick Schryer, Fortune Minerals Limited
Nathen Richea – Assistant Deputy Minister, GNWT-ECC
Corinne Kruse – Executive Administrative Coordinator, GNWT
Joseph Labine – Ministerial Special Advisor, GNWT

Attached: Water Licence W2025L2-0005
Reasons for Decision



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Fortune Minerals Limited

Water Licence W2025L2-0005

Pursuant to the *Waters Act* and the Waters Regulations,
the Wek'èezhì Land and Water Board grants this Water Licence to:

Fortune Minerals Limited

(Licensee)

of 617 Wellington Street, London, Ontario, N6A 3R6

(Mailing Address)

hereinafter called the Licensee, to proceed with the following undertaking, subject to the annexed definitions and conditions contained therein:

Location:	NICO Mine, NT
Water Management Area:	Northwest Territories 1
Purpose:	Mining and Milling
Type:	Type A
Quantity of Water not to be exceeded:	up to 400,000 m3/year of Water from Lou Lake; up to 4,650,000 m3/year of Water from the Marian River for the purpose of filling the open pit.
Effective Date:	
Expiry Date:	

Wek'èezhì Land and Water Board

Witness

Minister of Environment and Climate Change

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Part A: Scope and Defined Terms

Scope

1.	This Licence entitles the Licensee to use Water and deposit Waste for mining and milling activities at the NICO Mine. The scope of this Licence includes the following: a) Construction, operation, and maintenance of an open pit and underground mine; b) Withdrawal of Water from Lou Lake for the camp, mine, dust control, and post-closure filling of open pit; and Withdrawal of Water from the Marian River for the purpose of filling of the open pit; c) Dewatering of the Grid Ponds to Peanut Lake at SNP 02, d) Deposit of Waste to Peanut Lake at SNP 02 from the Effluent Treatment Plant; e) Construction, operation, and maintenance of site services infrastructure such as petroleum storage facilities, water lines, electrical distribution, site roads, a power plant, Sewage treatment plant, an incinerator, and material sorting facilities.; f) Construction, operation, and maintenance of: the Constructed Wetland Treatment System (CWTS); a Co-Disposal Facility (CDF); an explosives storage facility; an effluent treatment facility; and a camp and truck shop. g) Construction, operation, and maintenance of a mineral processing plant, which includes crushing, grinding, flotation, and service components; h) Construction, operation, and maintenance of Dams; i) Development and operation of borrow sources; and j) Progressive Reclamation and associated Closure and Reclamation activities.	SCOPE
2.	The scope of the Project is as described in the Preliminary Screening Determination for W2025L2-0005 dated March 3, 2026.	SCOPE – PRELIMINARY SCREENING
3.	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 Deposit of such Waste may enter any Waters. Any change made to the <i>Waters Act</i> and/or Waters Regulations that affects licence conditions and defined terms will be deemed to have amended this Licence.	LEGISLATION SUBJECT TO CHANGE
4.	Compliance with this Licence does not relieve the Licensee from responsibility for compliance with the requirements of any applicable federal, territorial, Tłıchǫ, or municipal legislation.	LEGISLATIVE COMPLIANCE

Defined Terms:¹

Acid Rock Drainage—acidic Water, often with elevated sulphate concentrations, that occurs as a result of oxidation of sulphide minerals contained in rock or other materials that are exposed as a result of natural weathering processes, Construction, or Project activities.

Action Level—a predetermined qualitative or quantitative trigger which, if exceeded, requires the Licensee to take appropriate actions.

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

Aquatic Effects Monitoring Program (AEMP)—a monitoring program developed for the Project in accordance with this Licence and the MVLWB/GNWT *Guidelines for Aquatic Effects Monitoring Programs*.

Average Concentration—the arithmetic mean/discrete average of four consecutive analytical results, as submitted to the Board in accordance with the sampling and analysis requirements specified in the Surveillance Network Program.

Board—the Wek'èezhìi Land and Water Board established under Part 3 of the *Mackenzie Valley Resource Management Act*.

Closure Cost Estimate—an estimate of the cost to close and reclaim the Project.

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 and the MVLWB/AANDC *Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories*, that clearly describes the Closure and Reclamation for the Project.

Closure Criteria—standards that measure the success of selected closure activities in meeting closure objectives. Closure criteria may have a temporal component (e.g., a standard may need to be met for a pre-defined number of years). Closure criteria can be site-specific or adopted from territorial/federal or other standards and can be narrative statements or numerical values.

Closure Objectives—statements that describe what the selected closure activities are aiming to achieve; they are guided by the closure principles. Closure objectives are typically specific to project components, are measurable and achievable, and allow for the development of closure criteria.

¹ Defined terms are capitalized throughout the License, including when used in other definitions.

Component-Specific Closure and Reclamation Plan (Component-Specific CRP)—a document, developed in accordance with this Licence and the MVLWB/AANDC *Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories*, that clearly describes the Closure and Reclamation for a component of the Project.

Co-Disposal Facility (CDF)—the area and Engineered Structures designated to contain Tailings and Waste Rock including the perimeter dyke, water management structures, tailings thickening, delivery, and distribution system, and supporting infrastructure.

CDF Expert Panel—the expert group established under this Licence as required by Measure 4 of the Report of Environmental Assessment.

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

Constructed Wetlands Expert Panel—the expert group established under this Licence as required by Measure 6 of the Report of Environmental Assessment.

Constructed Wetland Treatment System (CWTS)—the wetlands and associated infrastructure built to passively treat Co-Disposal Facility Seepage or open pit overflow.

CWTS Pilot Studies—on-site outdoor pilot tests conducted to support Constructed Wetland Treatment System design.

Dam—a structure that meets the definition of a Dam as per the *Dam Safety Guidelines* and is intended to contain, withhold, divert, or retain Water or Waste.

Dam Class—the category of dam based on its failure consequences, as described in the *Dam Safety Guidelines*.

Dam Safety Guidelines—the Canadian Dam Association (CDA) *Dam Safety Guidelines*, including the CDA *Dam Safety Guidelines Technical Bulletins*.

Deposit of Waste—a deposit of Waste in any Water or in any other place under conditions in which the Waste, or any other Waste that results from the deposit of that Waste, may enter any Waters.

Dewatering—the complete removal of Water from an existing Watercourse, or portion thereof, by pumping or draining.

Discharge—a direct or indirect deposit or release of any Water or Wastewater to Water in the Receiving Environment.

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

Drilling Waste—Waste material specifically produced from drilling activity.

Earthworks—Engineered Structures that are constructed with or require excavation into one or more of the following unconsolidated materials: Waste Rock, overburden, sand, silt, clay, gravel, till, soil, or any other borrow material.

Effluent—a Wastewater Discharge.

Effluent Quality Criteria (EQC)—numerical or narrative limits on the quality or quantity of the Effluent authorized for deposit to Receiving Water.

Effluent Treatment Facility—includes the area(s) and structures designated for the treatment of Wastewater associated with the CDF.

Engagement Plan—a document, developed in accordance with the *LWB 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.

Engineer of Record—a qualified Professional Engineer who is responsible for the design and performance of the Co-Disposal Facility and other Dams associated with the Project.

Engineered Structure—any structure or facility related to Water Use or the disposal or Deposit of Waste that is designed by a Professional Engineer, including but not limited to the Co-Disposal Facility, the Constructed Wetland Treatment System, the Sewage and effluent treatment facilities, the Water Management Ponds, and other Earthworks associated with the Project.

Environmental Assessment (EA)—Environmental Assessment EA0809-004, conducted by the Mackenzie Valley Environmental Impact Review Board for the Project.

Freeboard—the vertical distance between the still Water or Wastewater line and the lowest elevation of the effective Water or Wastewater containment crest on the upstream slope of a containment structure.

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

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.

Hazardous Waste—a Waste which, because of its quantity, concentration, or characteristics, may be harmful to human health or the environment when improperly treated, stored, transported, or disposed of.

Hydrocarbon-Contaminated Soil Treatment Facilities—the area(s) and Engineered Structures designated to contain and treat hydrocarbon-contaminated sediments and soil.

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

Licensee—the holder of this Licence.

Maximum Average Concentration—the concentration of a parameter that cannot be exceeded by the running average of any four consecutive analytical results.

Maximum Grab Concentration—the concentration of a parameter that cannot be exceeded in any one analytical result.

Metal Leaching—the release of metals and metalloids in leachate, Seepage, or drainage from rock or other materials associated with the Project.

Minewater—Groundwater, surface Water, or any Water that is pumped, seeps, or flows out of any underground mine working or open pit.

Minister—the Minister of the Government of the Northwest Territories (GNWT) – Environment and Climate Change.

Open Pit Mining—the extraction of ore, sub-economic mine rock, and Waste Rock, except Type 1a Waste Rock, in the area designated as the Open Pit on Figure 1 of the Water Licence Application W2025L2-0005 received by the Board on November 20, 2025.

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).

Potentially Acid Generating Rock—any rock that has the potential to produce Acid Rock Drainage.

Professional Engineer—a person registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists to practice as a Professional Engineer in the Northwest Territories as per the territorial *Engineering and Geoscience Professions Act* and whose professional field of specialization is appropriate to address the components of the Project at hand.

Professional Geoscientist—a person registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists to practice as a Professional Geoscientist in the Northwest

Territories as per the territorial *Engineering and Geoscience Professions Act* and whose professional field of specialization is appropriate to address the components of the Project at hand.

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

Project—the undertaking described in Part A, Conditions 1 and 2.

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

Receiving Water—the Water in the Receiving Environment that receives any direct or indirect Deposit of Waste from the Project.

RECLAIM—the Government of the Northwest Territories' model for estimating Closure and Reclamation costs.

Reclaim Pond—the pond within the Co-Disposal Facility that collects supernatant and runoff water.

Reclamation Research—literature reviews, laboratory or pilot-scale tests, engineering studies, and other methods of resolving uncertainties and answering questions pertaining to environmental risks for the purpose of providing data and information that will reduce uncertainties for closure options, selected closure activities, and/or closure criteria.

Remediation—the removal, reduction, or neutralization of substances, Wastes, or hazardous materials from a site in order to prevent or minimize any adverse effects on the environment and public safety, now or in the future.

Report of Environmental Assessment—the Mackenzie Valley Environmental Impact Review Board's Report of Environmental Assessment and Reasons for Decision EA0809-004, January 25, 2013, as amended.

Response Framework—a systematic approach to responding to the results of a monitoring program through adaptive management actions.

Response Plan—a document describing the actions that will be taken by the Licensee in response to an Action Level exceedance.

Risk Assessment—the document in Section 17 of the Developer's Assessment Report that describes risks associated with potential accidents and malfunctions.

Runoff—the overland flow of Water or Wastewater that occurs when precipitation, meltwater, or other Water is not absorbed by the land.

Seepage—any Water or Waste that drains, passes through, or escapes from any structure designed to contain, withhold, divert, or retain Water or Waste.

Settling Pond—any above or below-grade natural or human-made depression designated for separating solids from Water or Wastewater.

Sewage—all Toilet Wastes and Greywater.

Sewage Treatment Plant—the structure designed for the collection and treatment of Sewage.

Solid Waste Disposal Facilities—the area(s) and structures designated to contain solid Waste.

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

Sump—a human-made excavation or a natural depression designated for depositing Water and/or Waste.

Surveillance Network Program (SNP)—a monitoring program required by this Licence and detailed in Schedule 1.

Tailings—the materials rejected from the processing facilities after the recoverable valuable minerals have been extracted.

Temporary Closure – a state of care and maintenance, with the intent of resuming Project activities in the near future.

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

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 Release—a release to the Receiving Environment 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 Disposal Facilities—the area(s) and structures designated for the disposal of Waste, including, but not limited to, the Solid Waste Disposal Facility, Hydrocarbon-Contaminated Soil Treatment Facility.

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.

Waste Rock—all rock materials, except ore and Tailings, which are produced as a result of mining and milling operations.

Wastewater—any Water that is generated by Project activities or originates on-site, and which contains Waste, and may include, but is not limited to, Runoff, Seepage, Sewage, Minewater, and Effluent.

Water Management Ponds—containment structures used to collect Wastewater and includes but is not limited to the Co-Disposal Facility's Seepage collection ponds, and the surge pond.

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, but is not limited to, 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:

- g) a diversion or obstruction of waters,
- h) an alteration of the flow of waters, and
- i) 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.

Water Use Fee—the fee for use of Water as per the Waters Regulations pursuant to section 63 of the *Waters Act* and the LWB *Water Use Fee Policy*.

Winter Road—a seasonal road consisting of portages over land and/or ice bridges over Watercourses.

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:
a) Are in accordance with the LWB <i>Document Submission Standards</i> and, if applicable, <i>Geospatial Data Submissions Standards</i> ; and
b) Include any additional information requested by the Board. | SUBMISSION FORMAT |
| 7. The Licensee shall ensure management plans are submitted to the Board in a format consistent with the LWB <i>Standard Outline for Management Plans</i> , unless otherwise specified. | MANAGEMENT PLAN
FORMAT |
| 8. The Licensee shall comply with all 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 plans and make any revisions necessary to reflect changes in operations, contact information, or other details. No later than April 30th each year, the Licensee shall send a notification letter to the Board, listing the documents that have been reviewed and do not require revisions. | ANNUAL REVIEW |
| 10. The Licensee may propose changes at any time by submitting revised plans 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 form part of this Licence, and any updates to the Schedules as may be made by the Board.	COMPLY WITH SCHEDULE(S)
14.	The Licensee shall comply with the Surveillance Network Program set out in Schedule 8, and any updates to the Surveillance Network Program as may be made by the Board.	COMPLY WITH SURVEILLANCE NETWORK PROGRAM
15.	The Licensee shall comply with the Annexes, which form part of this Licence.	COMPLY WITH ANNEX(ES)
16.	The Schedules and any compliance dates specified in this Licence may be updated at the discretion of the Board.	UPDATES TO SCHEDULES AND COMPLIANCE DATE(S)
17.	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
18.	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 SIGN(S)
19.	The Licensee shall install, operate, and maintain meters, devices, or other such methods for measuring the volumes of Water used and Waste disposed of to the satisfaction of an Inspector.	MEASURE WATER USE AND WASTE DISCHARGED
20.	Beginning April 30, 2027, and no later than every April 30th 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
21.	Every five years following issuance of the Water Licence, the Licensee shall submit to the Board for approval a Water Licence Performance Report. The Report shall be in accordance with the requirements of Schedule 2, Condition 1.	WATER LICENCE PERFORMANCE REPORT
22.	The Licensee shall comply with the Engagement Plan , once approved.	ENGAGEMENT PLAN
23.	No later than 60 days following the effective date of this Licence, the Licensee shall submit to the Board, for approval, a revised Engagement Plan . The Licensee shall not commence Project activities prior to Board approval of the Plan.	ENGAGEMENT PLAN – REVISED

24.	A minimum of ten days 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
25.	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 WITH CONDITIONS
26.	The Licensee shall immediately provide written notification to the Board of any non-compliance with a Board directive issued in respect of the implementation of the conditions of this Licence.	NOTIFICATION – NON-COMPLIANCE WITH DIRECTIVES
27.	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
28.	The Licensee shall submit a current Project schedule to the Board and an Inspector upon request.	SUBMIT CURRENT PROJECT SCHEDULE
29.	A minimum of 90 days prior to commencement of Construction, the Licensee shall submit the following documents to the Board: a) the updated Feasibility Study; b) any material updates to the Project schedule or other information relevant to Project implementation that are not included in the updated Feasibility Study that will demonstrate successful implementation of the Project; and c) any public disclosure documents filed by the Licensee as a reporting issuer that contain material information respecting the Project and that have not previously been provided to the Board. The Licensee shall not commence Construction until the Board has confirmed, in writing, that the requirements of this condition have been fulfilled.	UPDATED PROJECT INFORMATION
30.	The Licensee shall submit to the Board for approval an updated Risk Assessment in accordance with Schedule 4, Condition 3 (Co-Disposal Facility Design and Construction Plan), Schedule 5, Condition 5 (Co-Disposal Facility Management Plan); Schedule 7, Condition 1 (Closure and Reclamation Plan), and at the following times, or as otherwise approved by the Board: a) Whenever there is a material change in risk level for the project, during Construction, Operations, or Closure, including a life mine extension, temporary suspension of operations, after any incident, failure, near miss, or abnormal event, any time quantitative performance objectives are not met; and b) Any other time as recommended by the Expert Panels, the Engineer of Record, or as required by the Board.	RISK ASSESSMENT

31. Notwithstanding anything to the contrary contained in this licence, no commencement of construction on the NICO Mine Project shall occur unless and until the Tłıchq Government and Fortune provide the Board with written confirmation that they have concluded the negotiations contemplated under section 23.4.1 of the Tłıchq Agreement.

**NEGOTIATIONS
CONTEMPLATED
UNDER SECTION 23.4.1**

DRAFT

Part C: Security

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| 1. | The Licensee shall post and maintain a security deposit with the Minister in accordance with Schedule 3. The Licensee shall not commence activities until the security deposit has been accepted by the Minister. | POST SECURITY
DEPOSIT |
| 2. | The Licensee shall submit an updated Closure Cost Estimate using the current version of RECLAIM or another method acceptable to the Board at the following times: <ul style="list-style-type: none"> a) 90 days prior to commencement of Construction; b) Six months prior to construction of the CDF; c) 24 months prior to the end of commercial operations; d) 90 days prior to active closure; e) With any Closure and Reclamation Plan submission as per Part I, Condition 3 (CLOSURE AND RECLAMATION PLAN – REVISED); and f) Upon request of the Board. | UPDATE CLOSURE COST
ESTIMATE |
| 3. | The amount of the security deposit required by Part C, Condition 1 (POST SECURITY DEPOSIT) may be adjusted by the Board: <ul style="list-style-type: none"> a) Based on an updated Closure Cost Estimate as per Part C, Condition 2 (UPDATE CLOSURE COST ESTIMATE); or b) Based on such other information as may become available to the Board. | ADJUSTED SECURITY
AMOUNT |
| 4. | If the amount of the security deposit is adjusted by the Board as per Part C, Condition 3 (ADJUSTED SECURITY AMOUNT), the Licensee shall post the adjusted amount with the Minister within the timeframe set by the Board. The Licensee shall not commence any new activities associated with a security adjustment until the additional security deposit has been accepted by the Minister. | POST ADJUSTED
SECURITY AMOUNT |
| 5. | Unless otherwise approved by the Board, the Licensee may not submit security adjustment requests except with any of the following submissions: <ul style="list-style-type: none"> c) Closure and Reclamation Plans; d) Closure and Reclamation Completion Reports; or e) Performance Assessment Reports. | SECURITY ADJUSTMENT
REQUESTS |

Part D: Water Use

- | | |
|---|--|
| 1. The Licensee shall only obtain fresh Water for the Project from Lou Lake and the Marian River. | WATER SOURCES |
| 2. The Licensee may withdraw up to 235,000 m ³ /year of Water from Lou Lake, with the exception of the Water Use outlined in Part D, Condition 3. | WATER WITHDRAWAL
LOU LAKE |
| 3. The Licensee may withdraw up to 400,000 m ³ /year of Water from Lou Lake such that the water quantity in Lou Lake remains substantially unaltered as defined in the approved AEMP Design Plan , as required by Part G, Condition 4, and Schedule 6, Condition 3. The Water withdrawal shall be in accordance with the approved Water and Wastewater Management Plan , as required by Part F, Condition 7. | WATER WITHDRAWAL
LOU LAKE –
SUBSTANTIALLY
UNALTERED |
| 4. The Licensee shall not withdraw Water from the Marian River for the purpose of pit filling until the Closure and Reclamation Plan is approved. | WATER WITHDRAWAL
MARIAN RIVER |
| 5. The Licensee may withdraw up to 4,650,000 m ³ /year of Water from the Marian River for the purpose of filling the open pit, such that the quantity and rate of flow in Marian River remains substantially unaltered as defined in the Closure and Reclamation Plan, required by Part I, Condition 1. The Water withdrawal shall be in accordance with the approved Closure and Reclamation Plan, and Schedule 7, Condition 1. | WATER WITHDRAWAL
MARIAN RIVER –
SUBSTANTIALLY
UNALTERED |
| 6. In any single ice-covered season, the Licensee shall not withdraw greater than 4% of the available Water volume of Lou Lake, as calculated using the appropriate maximum expected ice thickness and bathymetric data. | MAXIMUM WATER
WITHDRAWAL
VOLUME – LOU LAKE |
| 7. In accordance with Fisheries and Oceans Canada's <i>Framework for Assessing the Ecological Flow Requirements to Support Fisheries in Canada</i> , the Licensee's Water withdrawal from the Marian River shall not: <ul style="list-style-type: none"> a) be greater than 5% of the instantaneous flow; and b) result in flows lower than 30% of the mean annual discharge. | MAXIMUM WATER
WITHDRAWAL –
MARIAN RIVER |
| 8. The Licensee may use Wastewater from the effluent treatment facility and the Water Management Ponds for road watering only if that Wastewater meets the Effluent Quality Criteria established in Part F, Condition 28, (EFFLUENT QUALITY CRITERIA – EFFLUENT TREATMENT FACILITY) of this Licence, or as otherwise approved by the Board. | WASTEWATER USE |
| 9. The Licensee shall only withdraw Water using the Water Supply Facilities, unless otherwise authorized temporarily in writing by an Inspector. | WATER WITHDRAWAL
FACILITIES |

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| <p>10. Prior to withdrawing Water from an approved Water source, the Licensee shall post sign(s) to identify the intake for the Water Supply Facilities. All sign(s) shall be located and maintained to the satisfaction of an Inspector.</p> | <p>POST WATER INTAKE
SIGN(S)</p> |
| <p>11. The Licensee shall construct and maintain the Water intake(s) with a screen designed to prevent impingement or entrainment of fish. The screen shall be in accordance with the best practices outlined in Fisheries and Oceans Canada's <i>Interim Code of Practice: End-of-Pipe Fish Protection Screens for Small Water Intakes in Freshwater</i> and <i>Fish Screen Design Criteria for Flood and Water Truck Pumps</i>.</p> | <p>WATER INTAKE
SCREEN</p> |
| <p>12. Prior to locating a Water intake in a fish-bearing Watercourse, the Licensee shall obtain written authorization for the location from an Inspector.</p> | <p>WATER INTAKE
LOCATION –
AUTHORIZATION</p> |
| <p>13. Each year, prior to the [day and month of the effective date] and in advance of any Water use, the Licensee shall pay the Water Use Fee in accordance with the LWB <i>Water Use Fee Policy</i>.</p> | <p>WATER USE FEE</p> |

Part E: Construction

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| 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 |
| 2. | The Licensee shall ensure that all structures intended to contain, withhold, divert, or retain Water or Wastes, and which meet the definition of a Dam as per the <i>Dam Safety Guidelines</i> are designed, constructed, maintained, and monitored to meet or exceed the <i>Dam Safety Guidelines</i> . | DAMS – GENERAL |
| 3. | The Licensee shall ensure that all Hydrocarbon-Contaminated Soil Treatment Facilities are designed, constructed, maintained, monitored, and closed to meet or exceed the LWB/IWB/GNWT <i>Guideline for Design, Operation, Maintenance, and Closure of Petroleum Hydrocarbon-Contaminated Soil Treatment Facilities in the Northwest Territories</i> . | HYDROCARBON-
CONTAMINATED SOIL
TREATMENT FACILITIES –
GENERAL |
| 4. | The Licensee shall ensure that all Engineered Structures are constructed and maintained in accordance with the recommendations of the Professional Engineer responsible for the design, including, but not limited to, recommendations regarding field supervision and inspection requirements. | ENGINEERED STRUCTURES
– GENERAL |
| 5. | The Licensee shall ensure that all material used in Construction of the Project meets the geochemical criteria specified in the approved Geochemical Characterization and Management Plan referred to in Part F, Condition 8. | CONSTRUCTION MATERIAL
– GEOCHEMICAL CRITERIA |
| 6. | The Licensee shall maintain records of Construction materials for all structures and make them available at the request of the Board or an Inspector. | CONSTRUCTION RECORDS |
| 7. | The Licensee shall maintain geochemical records of Construction materials for all structures and make them available at the request of the Board or an Inspector. | GEOCHEMICAL RECORDS |
| 8. | Unless otherwise authorized in writing by an Inspector, a minimum of 90 days prior to the commencement of Construction of all structures, excluding Engineered Structures, intended to contain, withhold, divert, or retain Water or Wastes, the Licensee shall submit to the Board, for approval, a Structure Description and Construction Plan . The Plan shall be in accordance with the requirements of Schedule 4, Condition 1. The Licensee shall not commence Construction of the structure(s) prior to Board approval of the Plan. | STRUCTURE DESCRIPTION
AND CONSTRUCTION PLAN |
| 9. | A minimum of 90 days prior to the commencement of Construction of any Engineered Structures not referred to in Part E, Condition 21 (CO-DISPOSAL FACILITY DESIGN AND CONSTRUCTION PLAN), Part E, Condition 29 (DEMONSTRATION-SCALE CWTS DESIGN AND CONSTRUCTION PLAN), and Part E, | DESIGN AND
CONSTRUCTION PLAN |

Condition 32 (FULL-SCALE CWTS DESIGN AND CONSTRUCTION PLAN) the Licensee shall submit to the Board, for approval, a **Design and Construction Plan**. The Plan shall be in accordance with the requirements of Schedule 4, Condition 2. The Licensee shall not commence Construction of the Engineered Structure(s) prior to Board approval of the Plan.

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| 10. | A minimum of 90 days prior to the commencement of Construction of any Engineered Structure(s), the Licensee shall submit to the Board, Design Drawings stamped and signed by a Professional Engineer. A minimum of 90 days prior to implementing any proposed changes to the Design Drawings, the Licensee shall submit revised Design Drawings to the Board. | DESIGN DRAWINGS |
| 11. | A minimum of ten days prior to the commencement of Construction of any Engineered Structure(s), the Licensee shall provide written notification to the Board and an Inspector. Notification shall include the Construction commencement date, and the name and contact information for the individual responsible for overseeing Construction. Written notification shall be provided to the Board and an Inspector if any changes occur. | NOTIFICATION –
CONSTRUCTION –
ENGINEERED STRUCTURES |
| 12. | A minimum of ten days prior to the commencement of Construction of any structure(s) intended to contain, withhold, divert, or retain Water or Wastes, the Licensee shall provide written notification to the Board and an Inspector. Notification shall include the Construction commencement date, and the name and contact information for the individual responsible for overseeing the Construction. Written notification shall be provided to the Board and an Inspector if any changes occur. | NOTIFICATION –
CONSTRUCTION |
| 13. | The Licensee shall ensure that all structures intended to contain, withhold, divert, or retain Water or Wastes, excluding Engineered Structures, are constructed in accordance with the approved Structure Description and Construction Plan(s) . | CONSTRUCT AS DESIGNED
– STRUCTURE(S) |
| 14. | The Licensee shall ensure that all Engineered Structures are constructed in accordance with the Design Drawings and/or approved Design and Construction Plan(s) . | CONSTRUCT AS DESIGNED
– ENGINEERED
STRUCTURE(S) |
| 15. | Within 90 days of the completion of the Construction of each Engineered Structure, the Licensee shall submit to the Board, an As-Built Report stamped and signed by a Professional Engineer, which shall include, but not be limited to, the following information: <ul style="list-style-type: none"> a) final as-built drawings of the Engineered Structure(s), stamped and signed by a Professional Engineer; b) documentation, with rationale, of field decisions that deviate from the Design and Construction Plans and/or Design Drawings; and c) any data used to support these decisions. | AS-BUILT REPORT –
ENGINEERED
STRUCTURE(S) |

16.	The Licensee shall retain an Engineer of Record for the Co-Disposal Facility and any Dams.	ENGINEER OF RECORD
17.	The Licensee shall ensure that the Engineer of Record establishes and annually reviews the Dam Class for the Co-Disposal Facility and any Dams and shall report any changes to the Dam Class in the Geotechnical Inspection Report referred to in Part F, Condition 16 (ANNUAL GEOTECHNICAL INSPECTION).	DAM CLASSIFICATION
18.	The Licensee shall ensure that the Engineer of Record establishes quantifiable performance objectives for the Co-Disposal Facility and any Dams and reviews the quantifiable performance objectives annually for the life of the Facility.	QUANTIFIABLE PERFORMANCE OBJECTIVES
19.	The Licensee shall establish and fund a Co-Disposal Facility Expert Panel in accordance with Measure 4 of the Report of Environmental Assessment. The Panel will be in place during the operational life of the mine and during closure until the Board is satisfied that the Panel is no longer required. The Licensee shall comply with the duties and responsibilities outlined in the Terms of Reference referenced in Part E, Condition 20.	CO-DISPOSAL FACILITY EXPERT PANEL
20.	The Licensee shall comply with the approved Terms of Reference for the Co-Disposal Facility Expert Panel . The Licensee shall submit, for approval, a revised Terms of Reference 60 days prior to implementation of any changes to the Terms of Reference .	CO-DISPOSAL FACILITY EXPERT PANEL – TERMS OF REFERENCE
21.	Six months prior to commencement of Construction of the Co-Disposal Facility, the Licensee shall submit to the Board, for approval, a Co-Disposal Facility Design and Construction Plan . The Co-Disposal Facility Design and Construction Plan shall be in accordance with the requirements of Schedule 4, Condition 3. The Licensee shall not commence construction of the Co-Disposal Facility prior to the Board approval of the Plan.	CDF DESIGN AND CONSTRUCTION PLAN
22.	The Licensee shall submit a revised Co-Disposal Facility Design and Construction Plan for approval upon request of the Board.	CDF DESIGN AND CONSTRUCTION PLAN – REVISED
23.	The Licensee shall establish and fund a CWTS Expert Panel in accordance with Measure 6 of the Report of Environmental Assessment. The Panel will be in place during the operational life of the mine and during closure until the Board is satisfied that the Panel is no longer required. The Licensee shall comply with the duties and responsibilities outlined in the Terms of Reference referenced in Part E, Condition 24.	CONSTRUCTED WETLAND TREATMENT SYSTEM – EXPERT PANEL

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| 24. | The Licensee shall comply with the approved Terms of Reference for the CWTS Expert Panel . The Licensee shall submit, for approval, a revised Terms of Reference 60 days prior to implementation of any changes to the Terms of Reference . | CWTS EXPERT PANEL
– TERMS OF REFERENCE |
| 25. | The Licensee shall continue conducting on-site Constructed Wetland Treatment System Pilot Studies, with the objective of optimizing the design of the Constructed Wetland Treatment System to treat Co-Disposal Facility Seepage and pit overflow in order to meet post-closure water quality objectives. | CWTS ON-SITE PILOT
STUDIES |
| 26. | Using standard chemical equilibrium models, the Licensee shall reassess source term concentrations using rate data obtained from the field tests and corrected for the total mass of the Co-Disposal Facility and any geochemical controls that will occur as concentrations increase. The results of the reassessment shall be submitted to the Board for approval at the earliest of the following milestones: <ul style="list-style-type: none"> a) At least eight months prior to submission of the Co-Disposal Facility Design and Construction Plan (Part E, Condition 21) or the Co-Disposal Facility Management Plan (Part F, Condition 10). b) At least 60 days prior to the commencement of the next phase of the On-Site Pilot Studies (Part E, Condition 27). | SOURCE TERM
CONCENTRATIONS
REASSESSMENT |
| 27. | Once the Board approves the results referred to in Part E, Condition 26 (SOURCE TERM CONCENTRATIONS REASSESSMENT), and a minimum of six months prior to Construction of the Co-Disposal Facility, the Licensee shall conduct a new phase of the On-Site Pilot Studies referred to in Part E, Condition 25 using simulated effluent based on the approved source term concentrations. | CWTS ON-SITE PILOT
STUDIES –
PHASE TWO |
| 28. | Annually, or as otherwise directed by the Board, the Licensee shall submit to the Board, for approval, an On-Site CWTS Pilot Studies Report. The Report shall consider the results of the laboratory Pilot Studies and be developed in accordance with Schedule 4, Condition 5. | ON-SITE CWTS PILOT
STUDIES REPORT |
| 29. | No later than 12 months following commencement of Open Pit Mining, the Licensee shall submit to the Board, for approval, a Demonstration-Scale CWTS Design and Construction Plan . The Plan shall be in accordance with the requirements of Schedule 4, Conditions 2 and 4. | DEMONSTRATION SCALE
CWTS – DESIGN AND
CONSTRUCTION PLAN |
| 30. | Within one year of the Board’s approval of the submission referred to in Part E, Condition 29, the Licensee shall commence Construction of the on-site Constructed Wetland Treatment System demonstration-scale, with the objective of optimizing the ability of the Constructed Wetland Treatment System to treat Co-Disposal Facility Seepage and pit overflow in order to meet post-closure water quality objectives. | DEMONSTRATION SCALE
CWTS CONSTRUCTION |

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| 31. | Annually, or as otherwise directed by the Board, the Licensee shall submit to the Board, for approval, a Demonstration-Scale CWTS Studies Report developed in accordance with Schedule 4, Condition 5. | DEMONSTRATION SCALE
CWTS STUDIES REPORT |
| 32. | Once the Licensee collects five years of data from the demonstration-scale CWTS, referred to in Part E, Condition 30, or as otherwise approved by the Board, the Licensee shall submit to the Board, for approval, a Full-Scale CWTS Design and Construction Plan . The Plan shall be in accordance with the requirements of Schedule 4, Conditions 2 and 4. | FULL-SCALE CWTS DESIGN
AND CONSTRUCTION PLAN |
| 33. | Within one year of the Board's approval of the submission referred to in Part E, Condition 32, or as otherwise approved by the Board, the Licensee shall construct and operate the Full-Scale Constructed Wetland Treatment System, with the objective of demonstrating their ability to treat Co-Disposal Facility Seepage and pit overflow in order to meet post-closure water quality objectives. | FULL-SCALE CWTS
CONSTRUCTION |
| 34. | The Licensee shall ensure that the Full-Scale Constructed Wetland Treatment System referred to in Part E, Condition 33, is constructed in accordance with the approved Full-Scale CWTS Design and Construction Plan . | FULL-SCALE CWTS
CONSTRUCT AS DESIGNED |
| 35. | The Licensee shall submit a revised Full-Scale CWTS Design and Construction Plan for approval upon request of the Board. | FULL-SCALE CWTS
DESIGN AND
CONSTRUCTION
PLAN – REVISED |

Part F: Waste and Water Management

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| <p>1. The Licensee shall manage Waste and Water with the objective of:</p> <ul style="list-style-type: none">a) 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; andb) ensuring that concentrations of all parameters monitored at SNP_02 are as low as reasonably achievable in order to minimize changes to the Receiving Environment. | <p>OBJECTIVE – WASTE AND WATER MANAGEMENT</p> |
| <p>2. The Licensee shall conduct bench-scale testing of the effluent treatment facility to validate predictions of achievable end of pipe effluent quality under a reasonable range of operating conditions. This testing shall include an investigation into the feasibility of recycling reverse osmosis brine into the mineral processing plant, in order to meet the objectives in Part F, Condition 1.</p> | <p>BENCH-SCALE TESTING OF EFFLUENT</p> |
| <p>3. A minimum of 12 months prior to the commencement of Construction, the Licensee shall submit to the Board, for approval, a Waste Minimization Report with the purpose of meeting the objectives in Part F, Condition 1. The Report, shall include, but not be limited to the following:</p> <ul style="list-style-type: none">a) Results of the bench-scale testing required in Part F, Condition 2;b) a set of options for optimizing effluent quality, including:<ul style="list-style-type: none">i. reduced or zero Discharge during the winter;ii. recycling of reverse osmosis brine into the mineral processing plant; andiii. any other measures that may optimize effluent quality, including pollution prevention measures upstream of the effluent treatment facility.c) a cost-benefit analysis for each option identified in Part F, Condition 3b; andd) recommendations regarding the adoption of each option identified in Part F, Condition 3b, with rationale. | <p>WASTE MINIMIZATION REPORT</p> |
| <p>4. The Licensee shall implement the options described in the Waste Minimization Report, if directed to do so by the Board.</p> | <p>WASTE MINIMIZATION REPORT – IMPLEMENT</p> |
| <p>Management and Monitoring Plans</p> | |
| <p>5. The Licensee shall comply with the Waste Management Plan, once approved.</p> | <p>WASTE MANAGEMENT PLAN</p> |

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| <p>6. A minimum of 90 days prior to the commencement of Construction, the Licensee shall submit to the Board, for approval, a revised Waste Management Plan. The Plan shall be in accordance with the LWB <i>Guidelines for Developing a Waste Management Plan</i> and the LWB/IWB/GNWT <i>Guideline for Design, Operation, Maintenance, and Closure of Petroleum Hydrocarbon-Contaminated Soil Treatment Facilities in the Northwest Territories</i>. The Licensee shall not commence Construction prior to Board approval of the Plan.</p> | <p>WASTE MANAGEMENT
PLAN REVISED</p> |
| <p>7. A minimum of 90 days prior to the commencement of Construction, the Licensee shall submit to the Board for approval, a Water and Wastewater Management Plan which meets the objectives listed in Part F, Condition 1, and satisfies the requirements of Schedule 5, Condition 1. The Plan will address the Construction and operational phases of the Project. The Licensee shall not commence Construction until the Board has approved the Plan.</p> | <p>WATER AND
WASTEWATER
MANAGEMENT PLAN</p> |
| <p>8. A minimum of six months prior to the commencement of Construction, the Licensee shall submit to the Board for approval, a Geochemical Characterization and Management Plan that describes how the Licensee will geochemically classify and manage Waste Rock, tailings, ore, overburden, and other materials, in order to minimize ARD and Metal Leaching. The plan shall satisfy the requirements of Schedule 5, Condition 4. The Licensee shall not commence Construction until the Board has approved the Plan.</p> | <p>GEOCHEMICAL
CHARACTERIZATION AND
MANAGEMENT PLAN</p> |
| <p>9. A minimum of 90 days prior to the commencement of Construction, the Licensee shall submit to the Board, for approval, an Explosives Management Plan which meets the objective of minimizing nitrogen species (i.e., ammonia, nitrate, and nitrite) loading to the Receiving Environment, and satisfies the requirements of Schedule 5, Condition 3. The Licensee shall not commence Construction until the Board has approved the Plan.</p> | <p>EXPLOSIVES
MANAGEMENT PLAN</p> |
| <p>10. A minimum of six months prior to Construction of the Co-Disposal Facility, the Licensee shall submit to the Board for approval, a Co-Disposal Facility Management Plan which satisfies the requirements of Schedule 5, Condition 5. The Licensee shall not commence Open Pit Mining until the Board has approved the Plan.</p> | <p>CO-DISPOSAL FACILITY
MANAGEMENT PLAN</p> |
| <p>11. A minimum of 90 days prior to commencement of Construction, the Licensee shall submit to the Board for approval, a Dust, Erosion, and Sedimentation Management Plan which satisfies the requirements of Schedule 5, Condition 2, and conforms with Measure 3 of the Report of Environmental Assessment. The Licensee shall not commence Construction until the Board has approved the Plan.</p> | <p>DUST, EROSION, AND
SEDIMENTATION
MANAGEMENT PLAN</p> |

12. A minimum of 90 days prior to commencement of Construction, the Licensee shall submit to the Board, for approval, an **Emergency Management Plan** which satisfies the requirements of Schedule 5, Condition 6.

**EMERGENCY
MANAGEMENT PLAN**

Operation of Structures and Facilities

13. The Licensee shall construct, operate, and maintain the Co-Disposal Facility to the design specifications and engineering standards, such that:
- a) the specifications described in the **Design and Construction Plans**, referred to in Part E, Condition 9, are maintained at all times;
 - b) Seepage from the Co-Disposal Facility to the Receiving Environment is minimized at all times, collected, and returned to the Co-Disposal Facility, the Effluent Treatment Facility, the Reclaim Pond, or another location approved by the Board;
 - c) Any deterioration or erosion of constructed structures/facilities shall be reported immediately to an Inspector;
 - d) Any deterioration or erosion of constructed structures/facilities that requires repair shall be reported to an Inspector and the Board, and repaired immediately;
 - e) Monitoring of the Co-Disposal Facility is sufficient to ensure that:
 - i. Performance design criteria, as described in the **CDF Design and Construction Plan**, referred to in Part E, Condition 21, are being met; and
 - ii. Necessary changes in operation of the facility, including any additional mitigations, are identified.

CO-DISPOSAL FACILITY

Inspection of Structures and Facilities

14. The Licensee shall conduct weekly inspections of the Co-Disposal Facility, pipeline(s), and catchment basin(s) or as otherwise directed by an Inspector or the Board. Records of these inspections shall be made available to the Board or an Inspector upon request.
15. The Licensee shall conduct weekly inspections of all Earthworks and maintain records of these inspections for review upon request of an Inspector. The Licensee shall perform more frequent inspections at the request of an Inspector

**CO-DISPOSAL FACILITY,
PIPELINE(S), AND
CATCHMENT BASIN(S)
WEEKLY INSPECTION**

**EARTHWORKS WEEKLY
INSPECTION**

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| <p>16. The Licensee shall ensure that geotechnical inspections of all Engineered Structures are conducted annually during the summer months, and following any events that exceed design criteria, by a Professional Engineer. The Licensee shall:</p> <ul style="list-style-type: none"> a) A minimum of two weeks prior to the annual inspection, and when events that exceed design criteria occur, provide written notification to an Inspector; and b) Within 90 days of completing the inspection, submit the Professional Engineer's full Geotechnical Inspection Report to the Board and an Inspector. The Report shall include: <ul style="list-style-type: none"> i. a covering letter from the Licensee outlining an implementation plan to respond to any recommendations made by the Professional Engineer, including rationale for any decisions that deviate from the Professional Engineer's recommendations; ii. a recommendation from the Professional Engineer on whether the timing and frequency of the Dam Safety Review, required by Part F, Condition 18, (DAM SAFETY REVIEW – CO-DISPOSAL FACILITY) and Part F, Condition 19, (DAM SAFETY REVIEW – OTHER DAMS), should be maintained or revised; and iii. a summary of any actions taken by the Licensee to address the recommendations made following the previous year's inspection. | <p>ANNUAL GEOTECHNICAL INSPECTION</p> |
| <p>17. A minimum of ten days prior to conducting the Dam Safety Review required under Part F, Conditions 18 and 19, the Licensee shall provide written notification to the Board and an Inspector. Notification shall include planned dates for the Review, and the name and contact information for the individual responsible for overseeing the Review. Written notification shall be provided to the Board and an Inspector if any changes occur.</p> | <p>NOTIFICATION – DAM SAFETY REVIEW</p> |
| <p>18. The Licensee shall conduct a Dam Safety Review of the Co-Disposal Facility within the first three years after commencing Construction, and every seven years thereafter, or at a frequency approved by the Board. The Dam Safety Review shall be conducted in accordance with the <i>Dam Safety Guidelines</i> by a Professional Engineer.</p> | <p>DAM SAFETY REVIEW – CO-DISPOSAL FACILITY</p> |
| <p>19. For any Dam not referred to in Part F, Condition 18 (DAM SAFETY REVIEW – CO-DISPOSAL FACILITY), the Licensee shall conduct a Dam Safety Review, at a frequency approved by the Board in the associated Design and Construction Plan. The Dam Safety Review shall be conducted in accordance with the <i>Dam Safety Guidelines</i> by a Professional Engineer.</p> | <p>DAM SAFETY REVIEW – OTHER DAMS</p> |

20. Prior to January 31 following the year in which the Dam Safety Review was conducted, the Licensee shall submit the Professional Engineer's **Dam Safety Review Report** to the Board. The Report shall be prepared in accordance with the *Dam Safety Guidelines* and shall include:
- a) a conformity table, indicating how each of the applicable requirements in the *Dam Safety Guidelines* have been met;
 - b) a statement from the Professional Engineer on the safety of the Dam;
 - c) a summary list of findings with prioritized recommendations, prepared by the Professional Engineer;
 - d) a covering letter from the Licensee outlining an implementation plan to respond to any recommendations made by the Professional Engineer, including rationale for any decisions that deviate from the Professional Engineer's recommendations; and
 - e) the status of and rationale for any outstanding recommendations from the previous **Dam Safety Review**.

**DAM SAFETY REVIEW
REPORT**

Discharge and Disposal Locations and Rates

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| 21. The Licensee shall dispose of all Tailings and Waste Rock to the Co-Disposal Facility, as described in the approved Co-Disposal Facility Management Plan . | TAILINGS AND WASTE
ROCK CO-DISPOSAL
FACILITY |
| 22. The Licensee shall Discharge all Effluent from the Sewage Treatment Plant to Peanut Lake at SNP 01 as described in the approved Water and Wastewater Management Plan . | EFFLUENT DISCHARGE –
SEWAGE TREATMENT
PLANT |
| 23. The Licensee shall Discharge all Seepage from the underground portal to Peanut Lake at SNP 5-2 as described in the approved Water and Wastewater Management Plan . | DISCHARGE –
UNDERGROUND MINE
PORTAL |
| 24. The Licensee shall Discharge all Effluent from the Effluent Treatment Facility to Peanut Lake at SNP 02 as described in the approved Waste and Wastewater Management Plan . | EFFLUENT DISCHARGE –
EFFLUENT TREATMENT
FACILITY |
| 25. A minimum of ten (10) days prior to disposing of any Waste into a licenced municipal facility, the Licensee shall provide written notification to the Board and an Inspector. | NOTIFICATION – WASTE
DISPOSAL |

Effluent Quality Criteria

26. The Licensee shall ensure that Effluent from the Sewage Treatment Plant at Surveillance Network Program station SNP_01 has a pH value between 6.5 and 8.5 and meets the following Effluent Quality Criteria (EQC):

EFFLUENT QUALITY CRITERIA – SEWAGE TREATMENT PLANT

Parameter	Unit	Maximum Average Concentration	Maximum Grab Concentration
Total Ammonia (as Nitrogen)	mg-N/L	n/a	12
Carbonaceous Biochemical Oxygen Demand (CBOD ₅)	mg/L	20	30
Total Suspended Solids	mg/L	15	25
<i>Escherichia coli</i>	cfu/100 mL	400	800
Oil and grease	mg/L	3	5

cfu/mL = colony-forming units per one hundred millilitres; mg/L = milligrams per litre;
mg-N/L = milligrams as nitrogen per litre; n/a = not applicable.

27. The Licensee shall ensure that Seepage from the underground mine portal at Surveillance Network Program station SNP 5-2 has a pH value between 6.0 and 8.5, has no visible sheen of oil and grease, and meets the following Effluent Quality Criteria (EQC):

EFFLUENT QUALITY CRITERIA – UNDERGROUND MINE PORTAL

Parameter	Unit	Maximum Average Concentration	Maximum Grab Concentration
Total Ammonia	mg-N/L	n/a	12
Total Arsenic	mg/L	0.1	0.2
Total Cadmium	mg/L	0.005	0.01
Total Copper	mg/L	0.1	0.2
Total Lead	mg/L	0.08	0.16
Total Nickel	mg/L	0.2	0.5
Total Zinc	mg/L	0.4	0.8
Total Suspended Solids	mg/L	15.0	30.0
Total Petroleum Hydrocarbons	mg/L	3.0	5.0

mg/L = milligrams per litre; mg-N/L = milligrams as nitrogen per litre; n/a = not applicable.

28. The Licensee shall ensure that Effluent from the Effluent Treatment Facility at Surveillance Network Program station SNP_02 has a pH value between 6.5 and 9.5 and meets the following Effluent Quality Criteria (EQC):

**EFFLUENT QUALITY
CRITERIA –EFFLUENT
TREATMENT FACILITY**

Parameter	Unit	Maximum Average Concentration	Maximum Grab Concentration
Chloride	mg/L	200	400
Potassium	mg/L	496	992
Sulphate	mg/L	395	790
Ammonia (as Nitrogen)	mg-N/L	1.34	2.7
Nitrate (as Nitrogen)	mg-N/L	2.6	5.2
Aluminum	mg/L	0.46	0.92
Antimony	mg/L	0.034	0.07
Arsenic	mg/L	0.1	0.2
Cobalt	mg/L	0.02	0.04
Iron	mg/L	0.46	0.92
Mercury	mg/L	0.00004	0.00008
Selenium	mg/L	0.007	0.014
Silver	mg/L	0.001	0.002
Thallium	mg/L	0.012	0.024
Total Suspended Solids	mg/L	15	25
Total Petroleum Hydrocarbons	mg/L	3	5

mg/L = milligrams per litre; mg-N/L = milligrams as nitrogen per litre.

29. A minimum of 12 months prior to the commencement of Construction, the Licensee shall submit, for Board approval, an Effluent Quality Criteria Re-evaluation Report that satisfies the requirements of Schedule 5, Condition 7.
30. The Licensee shall ensure that Discharge to Peanut Lake shall not be acutely toxic to aquatic life as determined at SNP station SNP_02 by the test methods referenced in the Surveillance Network Program in Schedule 8.
31. The Licensee shall submit Water quality data for samples collected from Surveillance Network Program stations SNP_01 (Sewage Treatment Plant) and SNP_02 (Effluent Treatment Facility) to the Board and an Inspector as follows:
- A minimum of five days prior to commencing or resuming Discharge of Effluent to Peanut Lake; and
 - A minimum of five days prior to commencing or resuming Discharge of Effluent to Peanut Lake following an exceedance of the EQC specified in Part F, Condition 26 (EFFLUENT QUALITY CRITERIA – SEWAGE TREATMENT PLANT) and Part F, Condition 28 (EFFLUENT QUALITY CRITERIA – EFFLUENT TREATMENT FACILITY).

**EFFLUENT QUALITY
CRITERIA (EQC) RE-
EVALUATION REPORT**

**EFFLUENT QUALITY –
TOXICITY – EFFLUENT
TREATMENT FACILITY**

**TESTING BEFORE
DISCHARGE – SEWAGE
TREATMENT PLANT AND
EFFLUENT TREATMENT
FACILITY**

The Licensee shall not commence or resume the Discharge until the EQC are met and an Inspector has provided written authorization.

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| <p>32. If Water quality data from any sample collected at Surveillance Network Program stations SNP_01 exceeds the EQC specified in Part F, Condition 26 (EFFLUENT QUALITY CRITERIA – SEWAGE TREATMENT PLANT), the Licensee shall:</p> <ul style="list-style-type: none"> a) Cease the Discharge; b) Notify the Board and an Inspector immediately; c) Report the spill immediately in accordance with the Spill Contingency Plan referred to in Part H, Condition 2; d) Comply with the approved Water and Wastewater Management Plan referred to in Part F, Condition 7; and e) Within 30 days of initially reporting the incident, or within a timeframe authorized by an Inspector, submit a detailed report on the occurrence, including a summary of corrective actions taken, to the Board and an Inspector. | <p>EFFLUENT QUALITY
CRITERIA – EXCEEDANCE
– SEWAGE TREATMENT
PLANT</p> |
| <p>33. If Water quality data from any sample collected at Surveillance Network Program stations SNP 5-2 exceeds the EQC specified in Part F, Condition 27 (EFFLUENT QUALITY CRITERIA – UNDERGROUND MINE PORTAL), the Licensee shall:</p> <ul style="list-style-type: none"> a) Cease the Discharge; b) Notify the Board and an Inspector immediately; c) Report the spill immediately in accordance with the Spill Contingency Plan referred to in Part H, Condition 2; d) Comply with the approved Water and Wastewater Management Plan referred to in Part F, Condition 7; and e) Within 30 days of initially reporting the incident, or within a timeframe authorized by an Inspector, submit a detailed report on the occurrence, including a summary of corrective actions taken, to the Board and an Inspector. | <p>EFFLUENT QUALITY
CRITERIA – EXCEEDANCE
– UNDERGROUND MINE
PORTAL</p> |
| <p>34. If Water quality data from any sample collected at Surveillance Network Program stations SNP_02 exceeds the EQC specified in Part F, Condition 29 (EFFLUENT QUALITY CRITERIA – EFFLUENT TREATMENT FACILITY) or is determined to be acutely toxic as per Part F, Condition 31 (EFFLUENT QUALITY – TOXICITY – EFFLUENT TREATMENT FACILITY), the Licensee shall:</p> <ul style="list-style-type: none"> a) Cease the Discharge; b) Notify the Board and an Inspector immediately; c) Report the spill immediately in accordance with the Spill Contingency Plan referred to in Part H, Condition 2; d) Comply with the approved Water and Wastewater Management Plan referred to in Part F, Condition 7; and e) Within 30 days of initially reporting the incident, or within a timeframe authorized by an Inspector, submit a detailed report on the occurrence, including a summary of corrective actions taken, to the Board and an Inspector. | <p>EFFLUENT QUALITY
CRITERIA – EXCEEDANCE –
EFFLUENT TREATMENT
FACILITY</p> |

35. A minimum of 90 days prior to conducting the plume delineation study, the Licensee shall submit to the Board, for approval, a **Plume Delineation Study Design** for the Effluent Treatment Facility Effluent.

**PLUME DELINEATION
STUDY DESIGN**

36. Within 90 days of the completion of the plume delineation study referred to in Part F, Condition 35 (PLUME DELINEATION STUDY DESIGN), the Licensee shall submit to the Board, for approval, a **Plume Delineation Study Report**.

**PLUME DELINEATION
STUDY REPORT**

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Part G: Aquatic Effects Monitoring

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| 1. | The Licensee shall design and implement an Aquatic Effects Monitoring Program (AEMP) in accordance with the MVLWB/GNWT <i>Guidelines for Aquatic Effects Monitoring Programs</i> . | OBJECTIVE – AEMP |
| 2. | The Licensee shall implement the approved Supplemental Baseline Monitoring Plan . The Plan shall be in accordance with Schedule 6, Condition 1. | SUPPLEMENTAL BASELINE
MONITORING PLAN |
| 3. | A minimum of six months prior to commencement of Construction, the Licensee shall submit to the Board, for approval, the Baseline Summary Report to define the baseline condition of the Receiving Environment for the purposes of ensuring that Measures 1 and 2 of the Report of Environmental Assessment are being adhered to during all Project stages. This report shall be in accordance with Schedule 6, Condition 2. The Licensee shall not commence Construction until the Board has approved the Baseline Summary Report . | BASELINE SUMMARY
REPORT |
| 4. | A minimum of six months prior to commencement of Construction, the Licensee shall submit to the Board, for approval, an AEMP Design Plan . The Plan shall be in accordance with Part G, Condition 1 and Schedule 6, Condition 3. | AEMP DESIGN PLAN |
| 5. | The AEMP Design Plan shall include cultural use criteria developed as per the approved Engagement Plan . | CULTURAL USE CRITERIA
– AQUATIC EFFECTS
DESIGN PLAN |
| 6. | Three years following implementation of the AEMP Design Plan , and every three years thereafter, or as directed by the Board, the Licensee shall submit to the Board, for approval, an AEMP Re-Evaluation Report . The Report shall be in accordance with the MVLWB/GNWT <i>Guidelines for Aquatic Effects Monitoring Programs</i> and shall evaluate the overall effectiveness of the AEMP to date. | AEMP RE-EVALUATION
REPORT |
| 7. | Every three years following implementation of the AEMP Design Plan , or as directed by the Board, the Licensee shall submit to the Board, for approval, a revised AEMP Design Plan . The revised Plan shall be in accordance with the MVLWB/GNWT <i>Guidelines for Aquatic Effects Monitoring Programs</i> . | AEMP DESIGN PLAN –
REVISED |
| 8. | Beginning April 30 of the year following implementation of the approved AEMP Design Plan , and no later than April 30 of each year thereafter, the Licensee shall submit to the Board, for approval, an AEMP Annual Report . The Report shall be in accordance with the MVLWB/GNWT <i>Guidelines for Aquatic Effects Monitoring Programs</i> and the requirements of Schedule 6, Condition 4. | AEMP ANNUAL REPORT |
| 9. | If any low Action Level established in the approved AEMP Design Plan is exceeded, the Licensee shall, at a minimum, implement the response actions | LOW ACTION LEVEL
EXCEEDANCE |

described in the approved **AEMP Design Plan**, and report the exceedance in the **AEMP Annual Report**.

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| 10. | If any moderate or high Action Level established in the approved AEMP Design Plan is exceeded, the Licensee shall: | MODERATE OR HIGH
ACTION LEVEL
EXCEEDANCE |
| | a) Within the timeframe identified in the approved AEMP Design Plan , notify the Board and an Inspector; and | |
| | b) Within the timeframe identified in the approved AEMP Design Plan , or as otherwise directed by the Board, submit an AEMP Response Plan to the Board for approval. The Response Plan shall be in accordance with the MVLWB/GNWT <i>Guidelines for Aquatic Effects Monitoring Programs</i> . | |
| 11. | A minimum of six months prior to commencement of Construction the Licensee shall submit to the Board, for approval, a Groundwater Monitoring Baseline Data Report . The Report shall be in accordance with Schedule 6, Condition 5. | GROUNDWATER
MONITORING BASELINE
DATA REPORT |

Part H: Spill Contingency Planning

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| 1. The Licensee shall ensure that Unauthorized Releases associated with the Project do not enter any Water. | OBJECTIVE – PREVENT
WASTE INTO WATER |
| 2. The Licensee shall comply with the Spill Contingency Plan , once approved. | SPILL CONTINGENCY PLAN |
| 3. If a spill or an Unauthorized Release occurs or is foreseeable, the Licensee shall:
a) Implement the approved Spill Contingency Plan referred to in Part H, Condition 2;
b) Report it immediately using the NU-NT Spill Report Form by one of the following methods:
i. Telephone: (867) 920-8130
ii. E-mail: spills@gov.nt.ca
iii. Online: Spill Reporting and Tracking Database
c) Notify the Board and an Inspector immediately; and
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. | REPORT SPILLS |
| 4. 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 |
| 5. The Licensee shall restore all areas affected by spills and Unauthorized Releases to the satisfaction of an Inspector. | CLEAN UP SPILLS |
| 6. 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

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| <p>1. A minimum of six months prior to commencement of Construction of the Co-Disposal Facility, the Licensee shall submit to the Board, for approval, a Closure and Reclamation Plan. The Plan shall be developed in accordance with the Mackenzie Valley Land and Water Board and Aboriginal Affairs and Northern Development's <i>Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories</i> and Schedule 7, Condition 1.</p> | <p>CLOSURE AND RECLAMATION PLAN</p> |
| <p>2. The Closure and Reclamation Plan shall include cultural use criteria developed as per the approved Engagement Plan.</p> | <p>CULTURAL USE CRITERIA – CLOSURE AND RECLAMATION PLAN</p> |
| <p>3. Every three years following the previous approval, or as directed by the Board, the Licensee shall submit to the Board, for approval, a revised Closure and Reclamation Plan.</p> | <p>CLOSURE AND RECLAMATION PLAN – REVISED</p> |
| <p>4. Three years prior to the expiry date of this Licence, or a minimum of two years prior to the end of operations, whichever occurs first, the Licensee shall submit to the Board, for approval, a final Closure and Reclamation Plan.</p> | <p>CLOSURE AND RECLAMATION PLAN – FINAL</p> |
| <p>5. One year prior to Progressive Reclamation of any specific component of the Project or one year prior to end of operations of any Project component, and until a final Closure and Reclamation Plan is approved, the Licensee shall submit to the Board, for approval, a Component-Specific Closure and Reclamation Plan. The Licensee shall not commence activities described in the Plan prior to Board approval. The Plan shall be developed in accordance with the Mackenzie Valley Land and Water Board and Aboriginal Affairs and Northern Development's <i>Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories</i> and where applicable, Schedule 7, Condition 2.</p> | <p>COMPONENT-SPECIFIC CLOSURE AND RECLAMATION PLAN</p> |
| <p>6. The Licensee shall carry out approved Progressive Reclamation as soon as is reasonably practicable.</p> | <p>PROGRESSIVE RECLAMATION</p> |
| <p>7. The Licensee shall not conduct Progressive Reclamation except as approved by the Board.</p> | <p>PROGRESSIVE RECLAMATION – CARRY OUT AS APPROVED</p> |
| <p>8. Beginning December 31, 2026, and no later than every December 31 thereafter, the Licensee shall provide written notification to the Board and an Inspector of any approved Progressive Reclamation that will be conducted in the upcoming year. Notification shall include the name and contact information for the individual responsible for overseeing the Progressive Reclamation. Written notification shall be provided to the Board and an Inspector if any changes occur.</p> | <p>PROGRESSIVE RECLAMATION – NOTIFICATION</p> |

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| <p>9. Every three years following the commencement of Reclamation Research, or as directed by the Board, the Licensee shall submit to the Board, for approval, a Reclamation Research Report. The Report shall be in accordance with the requirements of Schedule 7, Condition 3.</p> | <p>RECLAMATION
RESEARCH REPORT</p> |
| <p>10. Within 90 days of completing Closure and Reclamation of any specific component of the Project, the Licensee shall submit to the Board a Closure and Reclamation Completion Report. The Report shall be in accordance with the MVLWB/AANDC <i>Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories</i>.</p> | <p>CLOSURE AND
RECLAMATION
COMPLETION REPORT</p> |
| <p>11. As directed by the Board, the Licensee shall submit to the Board for approval, a Post-Closure Monitoring and Maintenance Plan. The Plan shall be in accordance with the requirements of Schedule 7, Condition 4.</p> | <p>POST-CLOSURE
MONITORING AND
MAINTENANCE PLAN</p> |
| <p>12. Within five years of completing Closure and Reclamation of any specific component of the Project or as outlined in the approved Final Closure and Reclamation Plan, the Licensee shall submit to the Board for approval, a Performance Assessment Report. The Report shall be in accordance with the MVLWB/AANDC <i>Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories</i>. The Licensee shall submit subsequent Reports as directed by the Board.</p> | <p>PERFORMANCE
ASSESSMENT REPORT –
COMPONENT-SPECIFIC</p> |
| <p>13. A minimum of six months prior to commencement of Construction of the Co-Disposal Facility, the Licensee shall submit to the Board, for approval, a Temporary Closure Plan. The Plan shall be in accordance with the requirements of Schedule 7, Condition 5.</p> | <p>TEMPORARY CLOSURE
PLAN</p> |

Schedule 1: Annual Water Licence Report

1. The **Annual Water Licence Report** referred to in Part B, Condition 20 of this Licence shall include, but not be limited to, the following information about activities conducted during the previous calendar year:
 - a) A brief summary of Project activities;
 - b) An updated Project schedule;
 - c) The total monthly and annual quantities in cubic metres of fresh Water obtained from all sources for all Water Uses, as required in Part B, Condition 19 (MEASURE WATER USE AND WASTE DISCHARGED) of this Licence;
 - d) A summary of the calibration and status of the meters and devices referred to in Part B, Condition 19 (MEASURE WATER USE AND WASTE DISCHARGED) of this Licence;
 - e) A summary of engagement activities conducted in accordance with the approved **Engagement Plan**, referred to in Part B, Condition 23 of this Licence;
 - f) A summary of how Traditional Knowledge was incorporated into decision making;
 - g) A summary of Construction activities conducted in accordance with Part E of this Licence;
 - h) A summary of major maintenance activities conducted in accordance with this Licence;
 - i) A summary of activities conducted in accordance with the approved **Water and Wastewater Management Plan**, referred to in Part F, Condition 7, of this Licence, including:
 - i. A summary of approved updates or changes to the process or facilities required for the management of Water and Wastewater;
 - ii. Monthly and annual quantities, in cubic metres, of Water obtained from each approved source;
 - iii. Monthly and annual quantities, in cubic metres, of recycled Water, identifying both the source and use;
 - iv. Monthly and annual quantities of Water, in cubic metres, used for dust control;
 - v. Monthly and annual quantities, in cubic metres, of treated Sewage from the Sewage Treatment Plant;
 - vi. Monthly and annual estimates and measurements of flow at SNP stations SNP5-2, SNP_01 through SNP_12, SNP_16 through SNP_18, and SNP_22;
 - vii. Monthly and annual quantities, in cubic metres, of all Discharges, identified by Discharge location;
 - viii. Monthly elevations, in metres, of Water during the open-water season for Lou Lake, Nico Lake, Peanut Lake and Burke Lake;
 - ix. Monthly elevations of Water in the Co-Disposal Facility and the Surge Pond;
 - x. Monthly and annual quantities, in cubic metres, of water and Wastewater pumped into the Surge Pond from all sources;

- xi. Monthly and annual quantities, in cubic metres, of any Minewater pumped from the open pit and the underground mine;
 - xii. Monthly and annual estimates and/or measurements of precipitation and Runoff;
 - xiii. A comparison of Water and Wastewater quantities measured in the year to the Water balances predicted for that year in the approved Plan, and an explanation of any significant differences between predictions and actual measurements;
 - xiv. An updated Water balance if required as per the approved Plan;
 - xv. A summary and interpretation of all monitoring results, including any Action Level exceedances;
 - xvi. A description of actions taken in response to any Action Level exceedances;
 - xvii. A summary and interpretation of the flow and chemical characteristics of any groundwater seepage from the facility compared to down-gradient water quality; and
 - xviii. A comparison of annual groundwater monitoring results to the baseline groundwater monitoring.
- j) A summary of activities conducted in accordance with the approved **Waste Management Plan**, referred to in Part F, Condition 6, of this Licence, including:
- i. A summary of approved updates or changes to the process or facilities required for the management of Waste;
 - ii. Monthly and annual quantities of each Waste type disposed of, by location;
 - iii. Monthly and annual quantities, in cubic metres, of Sewage sludge removed from the Sewage Treatment Plant, identified by disposal location;
 - iv. Monthly elevations in metres of the Landfarm (HCSTF); and
 - v. A map depicting the location of the Sumps;
- k) A summary of activities conducted in accordance with the approved **Co-Disposal Facility Management Plan**, referred to in Part F, condition 10 of this Licence, including:
- i. A summary of approved updates or changes to the process or facilities required for the management of Tailings and Waste Rock;
 - ii. Monthly and annual quantities, in cubic metres and tonnes, of tailings placed in the Co-Disposal Facility either within cells or co-disposed with Waste Rock;
 - iii. Updated documentation on the on-going construction of the Co-Disposal Facility, including as-built drawings, locations of each type of Waste Rock, documentation of field decisions that deviate from the Final Design Report or the Co-Disposal Facility Management Plan, and any data used to support these decisions;
 - iv. The monthly and annual quantities, in cubic metres and tonnes, of each type of Waste Rock placed in Co-Disposal Facility, as part of the perimeter dyke, the Seepage collection pond dams, or co-disposed with tailings; including a map or diagram of the locations and types of Waste Rock deposited;
 - v. The size of the Co-Disposal Facility;
 - vi. A summary and interpretation of monitoring results, including any Action Level exceedances; and
 - vii. A description of actions taken in response to any Action Level exceedances.

- l) A summary of activities conducted in accordance with the approved **Geochemical Characterization and Management Plan**, referred to in Part F, Condition 8, including:
- i. A summary of approved updates or changes to the processes for characterizing and managing Acid Rock Drainage and Metal Leaching;
 - ii. A comparison of the annual quantities of each type of Waste Rock generated to the quantities predicted in the approved **Geochemical Characterization and Management Plan**;
 - iii. A summary and interpretation of results from the geochemical monitoring performed under the approved **Geochemical Characterization and Management Plan**;
 - iv. A summary and interpretation of results from seepage monitoring performed under the approved **Geochemical Characterization and Management Plan**, including:
 - a. a site map with Seepage locations;
 - b. comparisons to reference locations;
 - c. an analysis of major trends over the year and since Project inception; and
 - d. a summary of recommendations for future Seepage monitoring and/or management actions;
 - v. A summary of results from investigations or activities related to field test cells;
 - vi. A summary and interpretation of Water quality monitoring results for each of the main source areas (CDF, open pit, underground workings, and camp pad) and how these compare to predicted values;
 - vii. Any geochemical inspection reports from the preceding year, as appendices to the Annual Water Licence Report;
 - viii. A summary of any Action Level exceedances; and
 - ix. A description of actions taken in response to any Action Level exceedances;
- m) A summary of activities conducted in accordance with the approved **Dust, Erosion and Sedimentation Management Plan**, referred to in Part F, Condition 11, of this Licence, including:
- i. A summary of approved updates or changes to the process or facilities required for the management of dust, erosion and sedimentation;
 - ii. A description of any erosion susceptible areas encountered;
 - iii. A summary of activities undertaken to prevent or mitigate erosion;
 - iv. A report of the performance of mitigations applied to each area;
 - v. A summary and interpretation of monitoring results, including any Action Level exceedances; and
 - vi. A description of actions taken in response to any Action Level exceedances;
- n) A status update on the implementation plan for the most recent **Dam Safety Review Report**, referred to in Part F, Condition 20 of this Licence;
- o) A summary and interpretation of monitoring results performed under the **Explosives Management Plan** (required as per Part F, Condition 9) including any exceedances of the Action Levels and a description of actions taken;

- p) A summary of activities conducted in accordance with the approved **Spill Contingency Plan**, referred to in Part H, Condition 2 of this Licence, including:
 - i. A list and description for all Spills and Unauthorized Releases, 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;
- q) A summary of activities conducted in accordance with the **Closure and Reclamation Plan**, referred to in Part I, Condition 1, of this Licence, including:
 - i. Details of any Progressive Reclamation undertaken;
 - ii. A discussion on whether planning and implementation remains on schedule, and a summary of any new scheduling setbacks;
 - iii. A summary of Reclamation Research completed;
 - iv. A summary of engagement conducted regarding Closure and Reclamation;
 - v. A list of any factors that would increase or decrease the Closure Cost Estimate the next time the Estimate is updated.
- r) Tabular summaries of all data and information generated under the SNP in Schedule 8 of this Licence and graphical summaries of parameters with EQC referred to in Part F, Condition 27 (EFFLUENT QUALITY CRITERIA – SEWAGE TREATMENT PLANT), Part F, Condition 28 (EFFLUENT QUALITY CRITERIA – UNDERGROUND MINE PORTAL), AND Part F, Condition 29 (EFFLUENT QUALITY CRITERIA – EFFLUENT TREATMENT FACILITY) at the points of compliance (SNP Stations SNP_01, SNP 5-2, and SNP_02, respectively), in Excel format.
- s) 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;
- t) A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector;
- u) A table detailing all commitments related to Water use and the Deposit of Waste made during the Environmental Assessment, with descriptions of how each commitment is being or has been met; and
- v) A summary of activities conducted in accordance with the approved **Emergency Management Plan**, referred to in Part F, Condition 12 of this Licence.
- w) Evidence that the Licensee maintains good governance practices. This could include participation in relevant industry associations and/or incorporation of relevant industry guidelines.
- x) Any other details requested by the Board by November 1 of the year being reported.

Schedule 2: Water Licence Performance Report

1. The **Water Licence Performance Report** referred to in Part B, Condition 21, shall include but not be limited to the following:
 - a) A summary of any Water Licence non-compliance events as reported in the annual Water Licence reports or other regulatory submissions over the past 5 years;
 - b) An assessment of any advances in treatment technologies that would apply to the Project;
 - c) A review and assessment of changes to federal or territorial guidelines applicable to the Effluent Quality Criteria for the NICO Mine;
 - d) A summary of Board directives over the past five years related to Water Licence conditions and required submissions with a concordance table demonstrating how these directives were addressed;
 - e) An assessment of the efficacy of Licence conditions and a review of new standard Water Licence condition that would apply to the Project;
 - f) Consideration of AEMP monitoring results and an analysis of whether the cultural use criteria for the site have been met;
 - g) Every other reporting year (i.e., every ten years), include an assessment of how climate change might affect designs, management plans, operations, monitoring, and closure, and how it has and/or is predicted to affect environmental impacts of the NICO Project; and
 - h) Discussion, including rationale, on whether the results of the Water Licence Performance Report suggest that a Licence amendment may be needed.

Schedule 3: Conditions Applying to Security

1. The amount of security referred to in Part C, Condition 1 (POST SECURITY DEPOSIT), shall total \$88,641,023, as per the following schedule:
 - a) Prior to Construction, as defined in the Water Licence Part A, \$10,436,577;
 - b) Prior to Open Pit Mining (as defined in the Water Licence Part A), or extraction/mining of the underground mine, and/or placement of tailings, and/or CDF construction, an additional \$60,813,446; and
 - c) Prior to CDF expansion above the first lift of tailings and mine rock, or beyond a total footprint of 582,340 m² for the perimeter dykes and top surface, whichever occurs first, an additional \$17,391,000.

Schedule 4: Conditions Applying to Construction

1. The **Structure Description and Construction Plan** referred to in Part E, Condition 8, shall include, but not be limited to, the following:
 - a) Information regarding the facilities:
 - i. A description of the facilities to be constructed, including the purpose of the facilities;
 - ii. The proposed location(s) of the facilities, with GPS coordinates and a map to scale;
 - iii. Relevant background information for the area beneath the footprint of the facilities, including the results of any investigations;
 - iv. Construction specifications and performance parameters;
 - v. A description of any operations and maintenance requirements associated with the facilities; and
 - vi. An explanation of why the facilities do not need to be designed by a Professional Engineer;
 - b) Information regarding the Construction of the facilities:
 - i. A Construction schedule, including sequencing information;
 - ii. A description of the materials required for Construction, including, but not limited to:
 - a) sources;
 - b) quantities;
 - c) physical characteristics; and
 - d) geochemical characteristics;
 - iii. A description of any potential effects on the Receiving Environment associated with Construction of the facilities; and
 - iv. A description of any mitigation measures that will be undertaken to minimize the potential impacts identified as per (b)(iii);
 - c) Information regarding monitoring during Construction, including:
 - i. A description of any monitoring that will be conducted to determine the potential impacts to the Receiving Environment and the effectiveness of the mitigation measures described as per (b)(iv), including, but not limited to:
 - a. locations;
 - b. parameters;
 - c. frequencies; and
 - d. rationale;
 - ii. Linkages to other monitoring programs required in this Licence.
 - d) A description of how monitoring will be evaluated and what actions may be taken in response to monitoring results.
2. The **Design and Construction Plans** referred to in Part E, Condition 9, shall include, but not be limited to, the following:
 - a) Information regarding the design of the facilities:

- i. A description of the facilities to be constructed;
 - ii. The proposed location(s) of the facilities, with GPS coordinates and a map to scale;
 - iii. Relevant background information for the area beneath the footprint of the facilities, as deemed adequate by the Professional Engineer responsible for the design, including:
 - a. the results and data from geotechnical and geochemical investigations; hydrogeological investigations; and programs to characterize soil, rock, Groundwater, ground ice, and ground temperature conditions to the depth expected to be affected by the facilities; and
 - b. any other relevant information;
 - iv. A design alternatives analysis;
 - v. Design specifications and performance parameters;
 - vi. Stability analyses;
 - vii. A description of how the design has been optimized for Closure and Reclamation;
 - viii. A description of how Future Use considerations (including aesthetics and values) have been incorporated into the design in collaboration with Tłıchq Citizens;
 - ix. A description of how climate change projections and considerations have been incorporated into the design;
 - x. A description of any instrumentation that will be installed as part of the facilities, including locations and rationale;
 - xi. A description of any operations and maintenance requirements associated with the design of the facilities; and
 - xii. For any structure that is defined as a Dam, propose the Dam Class with detailed rationale.
- b) Information regarding the Construction of the facilities:
- i. A Construction schedule, including sequencing information;
 - ii. A description of the materials required for Construction, including but not limited to:
 - a. sources;
 - b. quantities;
 - c. physical characteristics; and
 - d. geochemical characteristics;
 - iii. A description of any potential effects on the Receiving Environment associated with Construction of the facilities; and
 - iv. A description of any mitigation measures that will be undertaken to minimize the potential impacts identified above;
- c) Information regarding monitoring during Construction, including:
- i. A description of any monitoring that will be conducted to detect potential impacts to the Receiving Environment and evaluate the effectiveness of the mitigation measures described above, including but not limited to:
 - a. locations;
 - b. parameters;
 - c. frequencies; and
 - d. rationale;

- ii. Linkages to other monitoring programs required in this Licence;
 - d) Information regarding responses to monitoring results during Construction, including:
 - i. Definitions, with rationale, for Action Levels applicable to the performance of the mitigation measures; and
 - ii. For each Action Level, a description of how exceedances of the Action Level will be assessed and, generally, which types of actions may be taken by the Licensee if the Action Level is exceeded;
 - e) A **Quality Control Plan** stamped by a Professional Engineer, a component of which includes a plan for a Professional Engineer to supervise and field check Construction activities.
3. The **Co-Disposal Facility Design and Construction Plan** referred to in Part E, Condition 21 shall include the requirements listed in Schedule 4, Condition 2, and the following:
- a) an updated estimate of the expected quantities of tailings and each type of Waste Rock that will be stored or used to construct the facility, and their geochemical performance;
 - b) updated water quality predictions (source terms) for the facility, as required under Part E, Condition 26 of the Licence;
 - c) details on how tailings and Waste Rock will be placed to prevent the convective flow of oxygen through the facility;
 - d) details on how the Waste Rock will be placed to maximize the benefit of co-disposing tailings and Waste Rock;
 - e) a summary of recommendations made by the CDF Expert Panel and how they have been addressed in the Final Design;
 - f) details on how the design incorporates the commitment that the CDF is not seen from the Îdaà Trail or Hislop Lake, unless agreed to otherwise by the Tlicho Government;
 - g) an updated Risk Assessment; and
 - h) any other information required by the Board.
4. The **Design and Construction Plans for demonstration-scale and full-scale Constructed Wetland Treatment System** referred to in Part E, Conditions 29 and 32 shall include the requirements listed in Schedule 4, Condition 2, and the following:
- a) The expected range of influent concentrations;
 - b) The expected performance of the facility in terms of metal removal;
 - c) A description of the maintenance activities that will be required to maintain flow through the facility;

- d) A proposal regarding the ultimate fate (e.g., removal, treatment, sequestration, leave in place) of contaminated plant species and/or sediment once the wetlands are no longer active;
 - e) A description of measures to maintain saturated conditions within the wetland;
 - f) A discussion of the use of traditional knowledge in the development of the Final Design and Construction Plan;
 - g) Study results, analysis, and interpretations;
 - h) A description of whether there is sufficient quantity and representative quality of Co-Disposal Facility Seepage to initiate construction of the Constructed Wetland Treatment System; and
 - i) Any other information required by the Board.
5. The **CWTS Studies Report**, referred to in Part E, Conditions, 28 and 31 of this Licence shall include, but not be limited to, the following information:
- a) A summary of activities that occurred in the previous year;
 - b) Study results;
 - c) Analysis and interpretation;
 - d) If applicable, rationale, including evidence, that CWTS No. 4 will not be required;
 - e) Conclusions; and
 - f) A description of the activities planned for the upcoming year.

Schedule 5: Conditions Applying to Waste and Water Management

1. The **Water and Wastewater Management Plan**, referred to in Part F, Condition 7 of this Licence shall include, but not be limited to, the following information:
 - a) Information regarding Water and Wastewater management, including:
 - i. A summary, of all the Water and Wastewater streams and management system(s);
 - ii. Maps and/or diagrams of all the Water and Wastewater streams, management systems, and monitoring locations, from Water sources through to the Receiving Environment and, where applicable, Receiving Water;
 - iii. A description of the processes and facilities, including locations of intakes, pumping rates, and flow rates, intended for the purposes of obtaining Water from Lou Lake and the Marian River for use at the Project ;
 - iv. A description of the processes and facilities for the collection, storage, and management of surface Runoff generated on site;
 - v. A description of the processes and facilities for the collection, storage and management of any Wastewater resulting from the Project, including:
 - a. A description of procedures that will be employed to minimize the quantity of Wastewater;
 - b. A description of how contact water will be recycled;
 - c. the results of pilot testing to demonstrate the effectiveness of the treatment system and the stability of the residues, and plans for disposal of any treatment residues (sludges);
 - vi. A description of the processes and facilities for the treatment and Discharge of Effluent to the Receiving Water, including a description of procedures that will be employed to minimize the quantity of Effluent discharged to the Receiving Water; and
 - vii. A description of the processes and facilities for the collection, storage, and management of any Water or Wastewater related to the Co-Disposal Facility's Tailings and Waste Rock storage area, including:
 - a. Identification of all potential sources of drainage from each storage site and the distance to the downstream Receiving Water;
 - b. A detailed description, including a map or diagram, of the structures intended to contain, withhold, divert, or retain Water or Wastes related to the Co-Disposal Facilities, and their predicted performance in terms of flow, capacity, and Water quality parameters;
 - c. A summary of proposed measures for controlling runoff and Seepage Water volume, routing, and quality; and
 - d. Any linkages to activities described in the **Co-Disposal Facility Management Plan**;
 - viii. Predicted overall Water balance for the Project, including:
 - a. Detailed Water balances for construction, operation, and closure;
 - b. A description of when the Water balance will be recalculated; and
 - c. A description of when changes to the Water balance will require updates to the **Water and Wastewater Management Plan**.
 - ix. A description of how climate change has been considered, including any linkages to other plans required under this Licence;

- x. A tabular summary of updated water quality objectives; and
 - xi. Any other information required to describe how Water and Wastewater will be managed such that the objectives listed in Part F, Condition 1 will be met;
- b) Information related to Dewatering activities associated with the Grid Ponds, including:
- i. Volume of Water directed to either the Surge Pond, or a temporary storage area, or Discharged to Peanut Lake at SNP-02 after treatment in the Effluent Treatment Facility;
 - ii. A schedule for Dewatering, including daily flow rates;
 - iii. Pumping methods, including locations of intake and outflow structures and associated pipe and related infrastructure, with appropriate maps or diagrams of the components;
 - iv. The frequency, location, and procedures for monitoring flow rates;
 - v. A description of, and any mitigation measures for, any predicted hydrological or water quality impacts to downstream Watercourse(s); and
 - vi. The procedures for inspecting any erosion along the affected Watercourse(s);
- c) Information regarding monitoring, including:
- i. Details of the monitoring, including rationale, that will be undertaken for each component of the Water and Wastewater management systems, including:
 - a. monitoring locations, parameters, frequencies and duration, methods, and types of instrumentation; and
 - b. predicted performance values for monitoring parameters based on expected facility design.
 - ii. Details of Groundwater monitoring, including, but not limited to monitoring:
 - a. down-gradient of the Co-Disposal Facility Seepage collection system to verify that the flow and chemical characteristics of any Groundwater Seepage that originates from the Co-Disposal Facility does not impact down-gradient Water quality;
 - b. methods for analysing the temporal and spatial trends including but not limited to the baseline groundwater dataset; and,
 - iii. A description of monitoring during periods of water withdrawal to verify model predictions and detect potential effects on fish and fish habitat, including:
 - a. field monitoring of depth, velocity, and wetted area in the Marian River
 - b. monitoring of Lou Lake shoreline and outlet conditions, including water levels, shoreline exposure, outlet depth/velocity, and fish stranding observations.
 - iv. Linkages to other monitoring programs required under this Licence including but not limited to the SNP, including the following:
 - a. a listing of all operational and decommissioned wells
 - b. details of newly installed wells (including location, screening depth and rationale, and an evaluation of vertical hydraulic gradients from any well testing); and
 - v. Any other information about monitoring that will be performed to meet the objectives listed in Part F, Condition 1;
- d) Information regarding responses to monitoring results, including:
- i. A description of how the Licensee will link the results of monitoring to those corrective actions necessary to ensure that the objectives listed in Part F, Condition 1 are met. This description shall include:
 - a. Definitions, with rationale, for Action Levels applicable to the performance of the water management system; and

- b. For each Action Level, a description of how exceedances of the Action Level will be assessed and, generally, which types of actions may be taken by the Licensee if the Action Level is exceeded;
 - e) Information regarding contingency planning, including:
 - i. A description of reasonably foreseeable scenarios;
 - ii. Contingency measures, including reducing withdrawal rates, if monitoring indicates non predicted adverse effects to fish or fish habitat; and
 - iii. For each scenario identified in (e)(i) above:
 - a. A description of response action options; and
 - b. A risk-based analysis of response action options, identifying preferred options and alternate options.
- 2. The **Dust, Erosion, and Sedimentation Management Plan** referred to in Part F, Condition 11, shall include, but not be limited to, the following information:
 - a) Information regarding erosion, sedimentation, and permafrost degradation potential and management, including:
 - i. A summary of the areas identified as susceptible to erosion, sedimentation, and permafrost degradation;
 - ii. Maps and/or diagrams, including:
 - a. Locations of areas susceptible to erosion, sedimentation, and permafrost degradation;
 - b. Locations of erosion and sedimentation management structures;
 - c. Locations of erosion and sedimentation control equipment and supplies; and
 - d. Monitoring locations;
 - iii. A description of the process and criteria for assessing the risk of erosion, sedimentation, and/or permafrost degradation;
 - iv. A description of the best management practices that will be employed for different levels of assessed risk; and
 - v. A description of Water management during activities described in the Plan;
 - vi. A description of how climate change has been considered, including any linkages to other plans required under this Licence; and
 - vii. Any other information required to describe how erosion and sediment release into the Receiving Environment, and permafrost degradation will be minimized;
 - b) Information regarding monitoring, including:
 - i. Details of the monitoring, including rationale, that will be undertaken with respect to the effectiveness and maintenance of erosion and sediment management practices, including:
 - a. monitoring locations, parameters, frequencies, methods, and types of instrumentation; and
 - b. predicted performance values for monitoring parameters based on expected facility design;
 - ii. Linkages to other monitoring programs required under this Licence; and
 - iii. Any other information about monitoring that will be performed to meet the objectives in Part F, Condition 1;

- c) Information regarding responses to monitoring results, including:
 - i. A description of how the Licensee will link the results of monitoring to those corrective actions necessary to ensure that the objectives listed in Part F, Condition 1 are met. This description shall include:
 - a. Definitions, with rationale, for Action Levels applicable to the performance of erosion and sedimentation control measures; and
 - b. For each Action Level, a description of how exceedances of the Action Level will be assessed and generally, which types of actions will be taken for the Action Levels exceeded;
- d) Information regarding contingency planning, including:
 - i. A description of reasonably foreseeable scenarios; and
 - ii. For each scenario identified in (d)(i) above:
 - a. A description of response action options; and
 - b. A risk-based analysis of response action options, identifying preferred options and alternate options;
- e) Information regarding the dust management, including, but not be limited to, the following information:
 - i. A description of engagement activities undertaken to inform the dust management and monitoring activities;
 - ii. A summary of how lessons learned about dust suppression from other Northwest Territories mine sites have been applied to the plan;
 - iii. Information regarding dust control and mitigation methodologies:
 - a. A summary of the types of site activities that could generate dust; and
 - b. For each of the activities identified above, a description of the best management practices or mitigations that may be employed to minimize the generation of dust.
 - iv. Details on dust monitoring, including the locations and parameters, and where data will be reported;
 - v. A description of how the Licensee will link the results of the monitoring to the corrective actions required to meet Measure 3 of the Report of Environmental Assessment, including:
 - a. Definitions, with rationale, for Action Levels applicable to the performance of dust management activities; and
 - b. For each Action Level, a description of how exceedances of the Action Level will be assessed and the actions that may be taken by the Licensee if the Action Level is exceeded.

3. The **Explosives Management Plan** referred to in Part F, Condition 9 of this Licence shall include, but not be limited to, the following:

- a) Information regarding explosives management, including:
 - i. A description of the facilities used for management and storage of explosives;
 - ii. Maps and diagrams of the facilities and monitoring locations;
 - iii. A description of the mitigation approaches to be employed with respect to storage, handling, blasting, disposal, and spills;

- iv. The predicted ammonium nitrate dissolution rate;
 - v. A description of how climate change has been considered, including any linkages to other plans required under this Licence; and
 - vi. Any other information required to describe how explosives will be managed such that the objectives listed in Part F, Condition 1 will be met.
- b) Information regarding monitoring, including;
- i. Details of the monitoring, including rationale, that will be undertaken to evaluate whether the mitigation approaches for storage, handling, and blasting procedures are effective, including;
 - a. monitoring locations, parameters, frequencies, methods, and types of instrumentation; and
 - b. predicted performance values for monitoring parameters based on expected facility design.
 - ii. Linkages to other monitoring programs required under this Licence; and
 - iii. Any other information about monitoring that will be performed to meet the objectives in Part F, Condition 1.
- c) Information regarding responses to monitoring results, including:
- i. A description of how the Licensee will link the results of monitoring to those corrective actions necessary to ensure that the objectives listed in Part F, Condition 1 are met. This description shall include:
 - a. Definitions, with rationale, for Action Levels applicable to the performance of the mitigation measures; and
 - b. For each Action Level, a description of how exceedances of the Action Level will be assessed and generally, which types of actions will be taken for the Action Levels exceeded;
- d) Information regarding contingency planning, including:
- i. A description of reasonably foreseeable scenarios; and
 - ii. For each scenario identified in (d)(i) above:
 - a. A description of response action options; and
 - b. A risk-based analysis of response action options, identifying preferred options and alternate options.
4. The **Geochemical Characterization and Management Plan** referred to in Part F, Condition 8 of this Licence shall include, but not be limited to, the following:
- a) Information regarding geochemical characterization, including:
- i. A summary of findings from previous geochemical characterization (Acid Rock Drainage/Metal Leaching potential) on the Waste Rock and Tailings, including references and weblinks to previous reports;
 - ii. A description of the geochemical characterization of overburden that will be used in Construction or for Reclamation, including specific measures to ensure that this material meets or exceeds the geochemical cut-off criteria defined for Type 1a material;
 - iii. Criteria for defining:
 - a. Type 1, 2, and 3 Waste Rock, based on concentrations of total sulphur, arsenic and bismuth concentrations; and

- b. Type 1a material;
 - iv. Updated production schedules showing estimated volumes and tonnages of Tailings, Type 1a, Type 1, Type 2, Type 3 Waste Rock, and sub-economic mine rock that will be produced each year over the duration of the Project;
 - b) Details on the geochemical characterization of overburden that will be used in Construction or for Reclamation, including specific measures to ensure that this material meets or exceeds the geochemical cutoff criteria defined for Type 1a material;
 - c) Information regarding the monitoring and testing plans that will be used to classify Waste Rock during operations to allow for appropriate management and placement;
 - d) Operating procedures that describe how the different types of rock will be identified for transportation to the appropriate location;
 - e) Information regarding geochemical inspections and supplemental monitoring program, including:
 - i. details on the geochemical site inspection, including visual inspections, and supplemental sampling and testing on each type of Waste Rock, tailings, and codisposed material;
 - ii. details on sampling and analysis of any Seepage or runoff found outside of the water management system;
 - iii. details on sampling and analysis of any Seepage or runoff from outside of the water management system (e.g., roads, rock pads etc.) or that does not report directly to an SNP monitoring station;
 - iv. details on continued monitoring of the field test cells, including sampling frequency, field measurements and analytical parameters;
 - v. description of the process that would be followed to change the proposed monitoring program, recognizing that any changes would require approval by the Board;
 - vi. linkages to other monitoring programs required in the Licence; and,
 - vii. any other information about the monitoring that will be performed to meet the objectives in Part F, Conditions 1 and 8.
 - f) Information regarding contingencies and responses to monitoring results:
 - i. A description of how the Licensee will link the results of monitoring to those corrective actions necessary to ensure that the objectives listed in Part F, Condition 1 are met. This description shall include:
 - a. definitions, with rationale for Action Levels applicable to the performance of the **Geochemical Characterization and Management Plan** with respect to geochemical stability as well as Seepage and runoff quality and quantity;
 - b. for each Action Level, a description of how exceedances of the Action Level will be assessed and generally which types of actions may be taken by the Licensee if the Action Level is exceeded.
 - ii. Action Level exceedances and actions taken during the year shall be reported in the Annual Water Licence Report as per Part B, Condition 20 and Schedule 1, Condition 1.
5. The **Co-Disposal Facility Management Plan** referred to in Part F, Condition 10 of this Licence shall include, but not be limited to, the following:
- a) Information regarding Co-Disposal Facility management:

- i. A description, with appropriate maps or diagrams, of the structures within the CDF used for Tailings and Waste Rock management, including a description of all the Waste streams that report to the Co-Disposal Facility;
 - ii. A schedule showing the expected quantities and destinations for Tailings, the different types of Waste Rock that will be produced each year, and any other type of Waste disposed in the CDF, including an evaluation of storage capacity over time for the Co-Disposal Facility;
 - iii. A complete description of the co-disposal procedures that will be used to place Tailings and Waste Rock within the facility, including:
 - a. Details on how the Waste Rock will be placed to maximize the benefit of co-disposal of Tailings and Waste Rock;
 - b. Details on the monitoring and recording that will be completed to confirm appropriate placement;
 - c. Details on any deposition sequencing;
 - d. Details on the tailings thickening, delivery, and distribution system;
 - e. Details on any monitoring and recording conducted to confirm appropriate placement;
 - f. Details on tailings deposition methods that will be used at different stages in the mine life when there are different ratios of tailings and Waste Rock (e.g., year 2, year 5, and year 20);
 - g. The minimum and maximum thickness of tailings and Waste Rock that should be placed in any one lift/layer to achieve the design objectives;
 - h. Details on measures to ensure that only Type 1 and 1a rock is used in the perimeter dyke of the Co-Disposal Facility; and
 - i. Any other information necessary to describe how Tailings and Waste Rock are deposited;
 - iv. A summary of dust control measures for the Co-Disposal Facility, with linkages to the **Dust, Erosion, and Sedimentation Management Plan**;
 - v. A summary of Water management for the Co-Disposal Facility, with linkages to the **Water and Wastewater Management Plan**;
 - vi. A description of the criteria that will be used to determine that the Seepage from the Co-Disposal Facility is sufficiently representative to commence the construction of the CWTS;
 - vii. A description of how climate change has been considered, including any linkages to the Tailings Containment Facilities Design and Construction Plan(s) and other plans required under this Licence; and
 - viii. Any other information required to describe how the Tailings and Waste Rock will be managed such that the objectives listed in Part F, Condition 1 are achieved.
- b) Information regarding monitoring of the Co-Disposal Facility including:
- i. Details and rationale for monitoring, including geotechnical stability, oxygen and temperature conditions within the pile, ice entrainment, physical and geochemical characteristics of the tailings and Waste Rock, quantity and quality of Discharges, Groundwater monitoring, inspections for Seepage bypass, and run-off for all components of the Co-Disposal Facility including:

- a. monitoring locations, parameters, frequency, duration, methods, and types of instrumentation;
 - b. a site map to scale with monitoring locations; and
 - c. predicted performance values for monitoring parameters based on expected facility design.
 - ii. Linkages to other monitoring programs required in this Licence; and
 - iii. Any other information about the monitoring that will be performed to meet the objectives in Part F, Condition 1.
- c) Information regarding responses to monitoring results:
- i. A description of how the Licensee will link the results of monitoring to those corrective actions necessary to ensure that the objectives listed in Part F, Condition 1 of this Licence are met. This description shall include:
 - a. Definitions, with rationale, of Action Levels applicable to the performance of the Tailings and Waste Rock Co-Disposal Facility with respect to monitored parameters; and,
 - b. For each Action Level, a description of how exceedances of the Action Level will be assessed, and generally which types of actions will be taken if the Action Level is exceeded.
- d) Information regarding contingency planning, including:
- i. A description of reasonably foreseeable scenarios; and
 - ii. For each scenario identified in (d)(i) above:
 - a. A description of response action options; and
 - b. A risk-based analysis of response action options, identifying preferred options and alternate options.
 - iii. Results shall be reported in the Annual Report as per Part B, Condition 20 and Schedule 1, Condition 1
- e) Information regarding progressive Reclamation of the Co-Disposal Facility, including:
- i. details on the sources of borrow material that will be used to cover the outer surface of the Co-Disposal Facility, including the physical and geochemical characteristics of this material;
 - ii. details on incremental placement of the cover during operation of the Co-disposal Facility; and
 - iii. details on revegetation plans to prevent erosion of sediments.
- f) An updated Risk Assessment.
6. The **Emergency Management Plan** referred to in Part F, Condition 12, shall include but not be limited to the following information:
- a) an evaluation and description of potential emergencies beyond routine operational control, including hazards and failure modes identified in the Risk Assessment;
 - b) address potential scenarios as identified in the Report of Environmental Assessment (Commitment 17.1) including, but not limited to, failure of the Co-Disposal Facility (CDF); pit wall failure; underground head failure; extreme drought; extreme precipitation, including effects on the CDF and Open Pit;
 - c) preventive and protective measures;
 - d) emergency response procedures, roles, and responsibilities;

- e) notification procedures and communication plan;
- f) recovery plans for catastrophic failure; and
- g) a description of emergency drills and personnel training.

7. The **Effluent Quality Criteria Re-evaluation Report** referred to in Part F, Condition 29 shall include but not be limited to the following information:

- a) Summary of drinking water, wildlife health, and aquatic life guidelines proposed to be used for the project;
- b) Summary of site-specific water quality objectives, including any updates proposed since the 2014 Water Licence application or confirmation that the existing objectives remain valid for the project;
- c) Summary of achievable end of pipe limits (technology-based limits) for the effluent treatment facility, including any updates since the 2014 Water Licence;
- d) Updated model predictions for the receiving environment, or verification that the water quality predictions remain valid;
- e) Screening of model predictions using updated guidelines and site-specific water quality objectives (per Part a and b above), including tabulated summaries of the following:
 - i. Guidelines and site-specific water quality objectives used for screening model predictions (including drinking water, wildlife health, and aquatic life); and
 - ii. Baseline concentrations;
 - iii. Modelled concentrations
 - iv. Summary of baseline concentrations and future predictions above applicable guidelines and site-specific water quality objectives
 - v. Identification of any additional constituents of potential concern;
- f) Evaluation of existing effluent quality criteria:
 - i. summary of how the existing effluent quality criteria were developed
 - ii. any proposed updates or rationale for why updates are not proposed
 - iii. proposed effluent quality criteria for any newly identified constituents of concern per Condition 7(e)(v) above or rationale explaining why effluent quality criteria are not required

Schedule 6: Conditions Applying to Aquatic Effects Monitoring Program

1. The **Supplemental Baseline Monitoring Plan** referred to in Part G, Condition 2, shall include, but not be limited to, the following:
 - a) Plans for collecting quantitative baseline descriptions of water quality, quantity, and flow in the Marian River and aquatic biological community and fisheries characteristics and contaminant levels in Burke Lake and the Marian River;
 - b) Lists of parameters that will be monitored;
 - c) Sites proposed for baseline data collection to address spatial differences;
 - d) The schedule and timing of sample collection to address seasonal differences;
 - e) Discussion of statistical power of the proposed plan;
 - f) Linkage of the proposed baseline monitoring program to the AEMP and plans for supplementing baseline data over time; and
 - g) Any other information as required by the Board.
2. The **Baseline Summary Report** referred to in Part G, Condition 3, shall include, but not be limited to, the following:
 - a) Be based on all relevant baseline data collected or available, including but not limited to that data collected as per Part J, Item 2;
 - b) Provide a statistical analysis of the data to describe the baseline conditions of the aquatic biological community and fisheries characteristics for Burke Lake and the Marian River;
 - c) Provide a statistical analysis of the data to, at a minimum, describe the mean, median, and 95th percentile concentrations of major ions, nutrients, and metals in water in Burke Lake and the Marian River;
 - d) Include a description of variances within each season and how these variances have been accounted for in the statistical analysis required in paragraphs b) and c) above;
 - e) Include a justification that sufficient baseline data has been collected prior to the commencement of Construction;
 - f) Include a description of any additional reference site data collection that will occur following the commencement of Construction; and
 - g) Any other information as required by the Board.

3. The **AEMP Design Plan** referred to in Part G, Condition 4, shall include, but not be limited to, the following:
- a) A description of an AEMP Response Framework that will link the results of the AEMP to those actions necessary to ensure that Project-related effects on the Receiving Environment satisfy Measures 1 and 2 of the Report of Environmental Assessment and meet the requirements under Section 21.2.3 of the Tłıchq Agreement.
 - b) A summary of how the AEMP addresses the definition of the acceptable standard(s) for “substantially unaltered” and the decision rule(s) to assure that it is met.
4. The **AEMP Annual Report** referred to in Part G, Condition 8 of this Licence shall include, but not be limited to, the following:
- a) A plain language summary and interpretation of the major results obtained in the preceding calendar year;
 - b) A summary of activities conducted under the AEMP;
 - c) A summary of any spills, activities, or other considerations within the report time frame that could influence the results of the AEMP;
 - d) Tabular summaries of all data and information generated under the AEMP, in Excel format;
 - e) An interpretation of the results, including an evaluation of any identified environmental effects that occurred as a result of the Project;
 - f) A comparison of predicted mixing and dilution of Effluent in Peanut Lake in comparison to monitoring data;
 - g) An analysis that integrates the results of individual monitoring components collected in a calendar year and describes the ecological significance of the results;
 - h) A comparison of monitoring results to Action Levels as defined in the approved **AEMP Design Plan**;
 - i) For any low Action Level exceedances, a summary of the nature and extent of the exceedance, as well as a description of actions taken in response to the exceedance;
 - j) An evaluation of any adaptive management response actions implemented;
 - k) Recommendations, with rationale, for changes to any aspect of the **AEMP Design Plan**;
 - l) A summary of dust monitoring results per the Dust, Erosion and Sedimentation Management Plan; and
 - m) Any other information specified in the approved **AEMP Design Plan**.

5. The **Groundwater Monitoring Baseline Data Report** referred to in Part G, Condition 11 of this Licence shall include, but not be limited to, the following:
- a) Information regarding Groundwater conditions:
 - i. A description of the underlying and surrounding hydrogeology, including appropriate maps and flow diagrams [that depict seasonal variations and/or interactions between Groundwater and surface Water], as assessed by a hydrologist, hydrogeologist, or equivalent professional; and
 - ii. A summary of baseline data including:
 - a. Baseline data collected to date;
 - b. Identification of baseline data gaps; and
 - b) A description of methods for filling in baseline data gaps or methods for approximating baseline conditions if necessary.

Schedule 7: Conditions Applying to Closure and Reclamation

1. The **Closure and Reclamation Plan** referred to in Part I, Conditions 1, 3, and 4 of this Licence shall include, but not be limited to, the following information:
 - a) propose water withdrawal sources and limits for filling the open pit at closure, with the objective of ensuring that:
 - i. the time required to fill the pit will be no less than eight years and no more than 14 years, consistent with Measure 5 of the Report of Environmental Assessment;
 - ii. the rate of flow in the Marian River will not be substantially altered by pit filling, consistent with Measure 2 of the Report of Environmental Assessment;
 - iii. there are no significant adverse impacts to water quantity in the water withdrawal sources;
 - b) include a research plan for investigating cover options for the Co-Disposal Facility; and
 - c) include a detailed discussion of the proposed maintenance, treatment, and ultimate fate of contaminants in the soil and plant species in the Constructed Wetland Treatment System, with supporting rationale.
 - d) Include an updated Risk Assessment when there is sufficient monitoring data from the CDF and/or Constructed Wetland Treatment System (CWTS).
2. The **Component-Specific Closure and Reclamation Plan** referred to in Part I, Condition 5 of this Licence shall include, but not be limited to, the following information, where applicable:
 - a) propose water withdrawal sources and limits for filling the open pit at closure, with the objective of ensuring that:
 - b) the time required to fill the pit will be no less than eight years and no more than 14 years, consistent with Measure 5 of the Report of Environmental Assessment;
 - c) the rate of flow in the Marian River will not be substantially altered by pit filling, consistent with Measure 2 of the Report of Environmental Assessment;
 - d) there are no significant adverse impacts to water quantity in the water withdrawal sources;
 - e) include a research plan for investigating cover options for the Co-Disposal Facility; and
 - f) include a detailed discussion of the proposed maintenance, treatment, and ultimate fate of contaminants in the soil and plant species in the Constructed Wetland Treatment System, with supporting rationale.
3. The **Reclamation Research Report** Referred to in Part I, Condition 9 of this Licence shall include, but not be limited to, the following information for each Reclamation Research plan identified in the **Closure and Reclamation Plan**:

- a) A plain language summary of the results, and a plain language interpretation of the significance of the results;
 - b) A discussion of whether Reclamation Research planning and implementation remains on schedule;
 - c) Analysis and interpretation of the data collected during the reporting period and to date;
 - d) An explanation of the significance of the results for Closure and Reclamation planning;
 - e) Reclamation Research data for the reporting period; and
 - f) An evaluation of the effectiveness of the Reclamation Research plan.
4. The **Post-Closure Monitoring and Maintenance Plan** referred to in Part I, Condition 11 of this Licence shall include, but not be limited to the following information:
- a) Information regarding site conditions:
 - i. A summary of completed Closure and Reclamation activities, including links to Closure and Reclamation Completion Reports;
 - ii. A list of the Closure Objectives and Closure Criteria for completed Closure and Reclamation activities;
 - iii. A list of all components, Closure Objectives, and Closure Criteria that require monitoring, surveillance, and/or inspections;
 - iv. A list of all components that require geotechnical inspections by a Professional Engineer;
 - v. For all structures identified in (a)(iii) that meet the definition of a Dam:
 - a. A description of the Dam;
 - b. A consequence assessment; and
 - c. The current classification of the Dam.
 - b) Information regarding monitoring:
 - i. A description, including detailed rationale, of the site-specific monitoring activities required to evaluate the Closure Objectives and Closure Criteria for the Project, including links to the approved Closure and Reclamation Plan;
 - ii. A description of monitoring protocols, methodologies, parameters, frequency, and duration specific to each type of monitoring identified in (i) above;
 - iii. Site map(s) and attached table or detailed legend, illustrating monitoring and sampling locations; and
 - iv. A description of the quality assurance and quality control measures followed for each monitoring type.
 - c) Information regarding responses to monitoring results:
 - i. A description of how the Licensee will evaluate the monitoring results against the Closure Objectives and Closure Criteria for the Project;

- ii. A description of how the Licensee will link the results of monitoring to the implementation of contingencies, revisions to the Plan, and/or other necessary response actions.
- d) Information regarding surveillance and inspections:
 - i. A description, including detailed rationale, of the method and schedule for surveillance and inspections for each component identified in (a)(iii);
 - ii. A description, including detailed rationale, of the schedule for geotechnical inspections for each component identified in (a)(iv); and
 - iii. A description, including detailed rationale, of the schedule for Dam Safety Reviews for each component identified in (a)(v).
- e) Information about responses to surveillance and inspections:
 - i. A description of how the Licensee will evaluate the results of surveillance and inspections against the Closure Objectives and Closure Criteria for the Project; and
 - ii. A description of how the Licensee will link the results of surveillance and inspections to the implementation of contingencies, revisions to the Plan, and/or any other necessary response actions.
- f) Information regarding maintenance:
 - i. A description and schedule of routine maintenance work to be conducted at the site;
 - ii. A description of the expected timeline for routine maintenance, including a description of how the Licensee will determine when routine maintenance is no longer required;
 - iii. A description of reasonably likely non-routine maintenance work that may be required, with linkages to other plans required under this Licence;
 - iv. A description of how and when the Licensee will notify the Board and the Inspector of any proposed non-routine maintenance work;
 - v. A description of any potential impacts to the Receiving Environment during routine maintenance work;
 - vi. A detailed description of any measures used to prevent or mitigate impacts to the Receiving Environment during routine maintenance work; and
 - vii. A description of any monitoring including, but not limited to, sampling locations, parameters measured, and frequencies of sampling to be carried out during maintenance activities to determine impacts to the Receiving Environment.
- g) A description of how the results of the activities carried out under this Plan will be reported.

5. The **Temporary Closure Plan** referred to in Part I, Condition 13 of this Licence shall include, but not be limited to, the following information:

- a) Temporary Closure goals and objectives;
- b) a description of activities and methods;
- c) a description of monitoring, maintenance, and reporting;
- d) contingencies; and
- e) an implementation schedule.

Schedule 8: Surveillance Network Program (SNP)

Part A: Reporting Requirements

1. The Surveillance Network Program (SNP) is effective on the effective date of the Licence.
2. Within 30 days following each month being reported, the Licensee shall submit a monthly SNP Report to the Board and Inspector. The Report shall be in electronic format acceptable to the Board and shall contain all data and information required under the SNP including, but not limited to, the following:
 - a) tabular summaries of all data and information generated under Parts B, C, and D of the SNP;
 - b) rationale for any SNP sites where samples were not collected;
 - c) results and interpretation of the approved QA/QC Plan;
 - d) for parameters regulated under Part H, Items 21 and 23, graphs showing trends in parameter concentrations in the effluent compared to effluent quality criteria over the past two years;
 - e) any interpretative comments and calculations; and
 - f) if any SNP sites were established, activated, or moved during the month being reported, the coordinates for each site and an updated map identifying the locations of all the SNP sites.

Part B: Flow and Volume Monitoring Requirements

1. The monthly and annual quantities in cubic metres and tonnes of Waste Rock placed in the Co-Disposal Facility as part of the Perimeter Dyke, the SCP dams, or co-disposed with Tailings.
2. The monthly and annual quantities in cubic metres and tonnes of Tailing placed in the Co-Disposal Facility either within cells or co-disposed with Waste Rock.
3. The monthly and annual quantities in cubic metres of treated Sewage effluent from the Sewage Treatment Plant.
4. The monthly and annual quantities in cubic metres of freshwater obtained from Lou Lake at SNP stations 5-5 and SNP_19, as applicable, for all purposes.
5. Monthly elevations of water during the open-water season for Lou Lake, Nico Lake, Peanut Lake, and Burke Lake.
6. Monthly elevations of water in the Co-Disposal Facility and the Surge Pond.
7. Monthly and annual quantities in cubic metres of Water and Wastewater pumped into the Surge Pond from all sources.
8. Monthly and annual quantities in cubic metres of all Discharges from the Effluent Treatment Facility.
9. Monthly and annual quantities in cubic metres of any Minewater pumped from the open pit and the underground mine and its deposit location.

The quantities of water in cubic metres discharged from the portal shall be estimated and recorded to the satisfaction of an Inspector.

Part C: Meteorological Monitoring Requirements

1. The Licensee shall measure and record the following data:
 - a) Precipitation; and
 - b) Evaporation, which is calculated from the parameters list below:
 - i. Wind speed at approximately 2 meters above the water surface;
 - ii. Wind direction;
 - iii. Air temperature at approximately 0.75 and 2 metres above the water surface;
 - iv. Relative humidity at approximately 0.75 and 2 metres above the water surface;
 - v. Water temperature at two levels;
 - vi. Net solar radiation over the water surface; and
 - vii. Water level.
2. At least 60 days prior to the initiation of the sampling under the SNP, the Licensee shall submit to the following information to the Board for approval: the location, methods, and frequency to be used to measure and record the meteorological data identified in Part C, Item 1.
3. The Licensee shall implement monitoring with the location, methods, and frequency referred to in Part C, Item 2 as approved by the Board.

Part D: Surveillance Network Program (SNP) Station Descriptions and Sampling Requirements

1. All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the current edition of “Standards Methods for the Examination of Water and Wastewater”, or by such other methods approved by an Analyst.
2. All analyses shall be performed in a laboratory accredited by the Canadian Association for Laboratory Accreditation (CALA) for the specific analyses to be performed or as approved by an Analyst.
3. At least 60 days prior to the initiation of the sampling under the SNP, the Licensee shall submit a Quality Assurance/Quality Control Plan (QA/QC Plan) to an Analyst for approval. The QA/QC Plan shall include a list of techniques that will be used to collect and analyze SNP samples.
4. The Licensee shall annually review the approved the QA/QC Plan and revise the Plan as necessary. Proposed revisions shall be submitted to an Analyst for approval.
5. The QA/QC Plan referred shall be implemented as approved by an Analyst.
6. The locations of SNP_01, 02 and 03 are subject to approval of an Inspector. Once these stations have been established, an updated map detailing the locations of all sites, including an associated table detailing locations and coordinates shall be submitted to the Board.

7. More frequent sample collection may be required at the request of an Inspector.
8. SNP Station information is set out below. The location of each Station is approximate and subject to approval from an Inspector.

SNP Station Quick Reference Guide

Station #	Description	Status
SNP_01	Outflow from Sewage treatment plant prior to Discharge or to mixing with effluent treatment facilities	Active
SNP_02	Final effluent control station, before Discharge of effluent to Peanut Lake	Inactive
SNP_03	Outflow from effluent treatment facilities prior to mixing with Sewage	Inactive
SNP_04	Co-Disposal Facility Seepage Pond	Inactive
SNP_05	Co-Disposal Facility Seepage Pond	Inactive
SNP_06	Co-Disposal Facility Seepage Pond	Inactive
SNP_07	Co-Disposal Facility Seepage Pond	Inactive
SNP_08	Co-Disposal Facility Seepage Pond	Inactive
SNP_10	Open Pit	Inactive
SNP_11	Reclaim Pond	Inactive
SNP_12	Surge Pond	Active
SNP_13	Peanut Lake: Mixing Zone	Inactive
SNP_14	Peanut Lake: Mixing Zone	Inactive
SNP_15	Peanut Lake: Mixing Zone	Inactive
SNP_16	Inlet Peanut Lake	Active
SNP_17	Outlet Peanut Lake	Active
SNP_18	Outlet Nico Lake	Active
SNP_19	Water Intake location at Lou Lake	Active
SNP_20	Downstream of the Ammonium Nitrate (ANFO) Emulsion Plant	Inactive
SNP_21	Nearshore area in Nico Lake (Northwest Embayment)	Inactive
SNP_22	Marian River	Inactive
SNP 5-2	Seepage from underground mine portal	Active
SNP 5-5	Water quality in Lou Lake	Active

SNP Station SNP_01

Description:	Outflow from Sewage Treatment Plant prior to Discharge or to mixing with effluent treatment facilities		
Location:	TBD (in plant area)		
Sampling Frequency:	Continuously	Weekly	Monthly
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	pH (laboratory), Total Suspended Solids, Nutrients ⁽⁴⁾ , Carbonaceous Biochemical Oxygen Demand, Oil and Grease, <i>Escherichia coli</i> , and Fecal Coliforms	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , and Total and Dissolved Metals ⁽⁵⁾
Rationale:	Point of compliance for Sewage Discharge to Peanut Lake, during construction. Monitoring data will be used to differentiate relative contributions of the Effluent Treatment Facility and Sewage Treatment Facility to final Discharge during operations and closure.		
Status:	Active		

SNP Station SNP_02

Description:	Final effluent control station, before Discharge of effluent to Peanut Lake			
Location:	TBD (in plant area)			
Sampling Frequency:	Continuously	Weekly	Monthly	Twice per year
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾	Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , Fecal Coliforms, and Acute Toxicity ⁽⁷⁾	Chronic toxicity ⁽⁸⁾
Rationale:	Point of compliance for effluent discharge to Peanut Lake.			
Status:	Inactive until Effluent Treatment Plant is operational.			

A week is defined as Sunday to Saturday, and a sample must be collected within each weekly period during Discharge. Chronic toxicity tests should be conducted using samples collected at least one month apart. If effluent is discharged for 31 consecutive days or less in a calendar year, the tests may be conducted only once in that year.

SNP Station SNP_03

Description:	Outflow from effluent treatment facilities prior to mixing with Sewage		
Location:	TBD (in plant area)		
Sampling Frequency:	Continuously	Weekly	Monthly
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	pH (laboratory), Total Suspended Solids, Chemical Oxygen Demand, Total Petroleum Hydrocarbons ⁽⁶⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , and Total and Dissolved Metals ⁽⁵⁾
Rationale:	Monitoring data will be used to differentiate relative contributions of effluent treatment facility and Sewage Treatment Facility to final Discharge during operations		
Status:	Inactive until Effluent Treatment Plant is operational.		

SNP Station SNP_04

Description:	Co-Disposal Facility Seepage Collection Pond 1	
Location:	514393 E 7047365 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	To test quality of Seepage water from Co-Disposal Facility	
Status:	Inactive until Co-Disposal Facility construction begins.	

SNP Station SNP_05

Description:	Co-Disposal Facility Seepage Collection Pond 2	
Location:	514102 E 7047162 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	To test quality of Seepage water from Co-Disposal Facility	
Status:	Inactive until Co-Disposal Facility construction begins.	

SNP Station SNP_06

Description:	Co-Disposal Facility Seepage Collection Pond 3	
Location:	513826 E 7046868 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	To test quality of Seepage water from Co-Disposal Facility	
Status:	Inactive until Co-Disposal Facility construction begins.	

SNP Station SNP_07

Description:	Co-Disposal Facility Seepage Collection Pond 4	
Location:	513165 E 7046594 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	To test quality of Seepage water from Co-Disposal Facility	
Status:	Inactive until Co-Disposal Facility construction begins.	

SNP Station SNP_08

Description:	Co-Disposal Facility Seepage Collection Pond 5	
Location:	513165 E 7046594 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	To test quality of Seepage water from Co-Disposal Facility	
Status:	Inactive until Co-Disposal Facility construction begins.	

SNP Station SNP_10

Description:	Open Pit	
Location:	512668 E 7046774 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	Flow measured to update site water balance. Water quality measured to understand loading contribution from the open pit.	
Status:	Inactive because not needed during Construction.	

SNP Station SNP_11

Description:	Reclaim Pond	
Location:	512553 E 7047481 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	Flow measured to update site water balance. Water quality measured to understand flows coming from the Co-Disposal Facility	
Status:	Inactive until Co-Disposal Facility construction begins.	

SNP Station SNP_12

Description:	Surge Pond	
Location:	513572 E 7046570 N UTM 11	
Sampling Frequency:	Continuously (when water present)	Monthly (when water present)
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	Flow measured to update site water balance. Water quality measured to understand loadings and concentrations in the minewater that is sent to the effluent treatment facilities.	
Status:	Active needed for all Project phases.	

SNP Station SNP_13

Description:	Peanut Lake: Mixing Zone	
Location:	514366 E 7045581 N UTM11	
Sampling Frequency:	Monthly (when ice conditions allow). Sampling may not occur during break-up (May/June) and freeze-up (i.e., October/November).	
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , Microcystin-LR	
Rationale:	To monitor effluent mixing within Peanut Lake	
Status:	Inactive because monitoring in the mixing zone is not necessary until operations when effluent is Discharged to Peanut Lake from the effluent treatment facilities.	

SNP Station SNP_14

Description:	Peanut Lake: Mixing Zone
Location:	514554 E 7045735 N UTM 11
Sampling Frequency:	Monthly (when ice conditions allow). Sampling may not occur during break-up (May/June) and freeze-up (October/November).
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , Microcystin-LR
Rationale:	To monitor effluent mixing within Peanut Lake
Status:	Inactive because monitoring in the mixing zone is not necessary until operations when effluent is Discharged to Peanut Lake from the effluent treatment facilities.

SNP Station SNP_15

Description:	Peanut Lake: Mixing Zone
Location:	514508 E 7045694 N UTM 11
Sampling Frequency:	Monthly (when ice conditions allow). Sampling may not occur during break-up (May/June) and freeze-up (i.e., October/November).
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , Microcystin-LR
Rationale:	To monitor effluent mixing within Peanut Lake
Status:	Inactive because monitoring in the mixing zone is not necessary until operations when effluent is Discharged to Peanut Lake from the effluent treatment facilities.

SNP Station SNP_16

Description:	Inlet Peanut Lake	
Location:	514862 E 7045565 N UTM 11	
Sampling Frequency:	Once per season (surface)	Once per season
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , Microcystin-LR
Rationale:	Flow measurements to enable updating of regional water balance. Water quality monitoring to collect additional baseline data during Construction and understand the contribution of natural water quality to the mixing zone during operations.	
Status:	Active because monitoring data will be useful during all phases of the Project.	

SNP Station SNP_17

Description:	Outlet Peanut Lake	
Location:	513787 E 7045176 N UTM 11	
Sampling Frequency:	Once per season (surface)	Once per season
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , and Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , Microcystin-LR
Rationale:	Flow measurements to enable updating of regional water balance. Water quality monitoring to collect additional baseline data during Construction and understand the contribution of natural water quality to the mixing zone during operations.	
Status:	Active because monitoring data will be useful during all phases of the Project.	

SNP Station SNP_18

Description:	Outlet Nico Lake	
Location:	514367 E 7045944 N UTM 11	
Sampling Frequency:	Once per season (surface)	Once per season
Sampling Parameters:	Flow, Field Parameters ⁽¹⁾	Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , and Microcystin-LR
Rationale:	Flow measurements to enable updating of regional water balance. Water quality monitoring to collect additional baseline data during Construction and understand the contribution of natural water quality to the mixing zone during operations.	
Status:	Active because monitoring data will be useful during all phases of the Project.	

SNP Station SNP_19

Description:	Water Intake location at Lou Lake	
Location:	510802 E 7048152 N UTM 11	
Sampling Frequency:	Monthly (when ice conditions allow). Sampling may not occur during break-up (May/June) and freeze-up (October/November).	Annually
Sampling Parameters:	Field Parameters ⁽¹⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾	Standard Parameters ⁽²⁾ , Total and Dissolved Metals ⁽⁵⁾ , <i>Escherichia coli</i>
Rationale:	To ensure water quality is sufficient for intended uses including as drinking water for the camp.	
Status:	Active because monitoring data will be useful during all phases of the Project.	

SNP Station SNP_20

Description:	Downstream of the Ammonium Nitrate (ANFO) Emulsion Plant	
Location:	TBD (downstream of plant along northwest section of Burke Lake)	
Sampling Frequency:	Once during freshet if sufficient flow volume is present	Once during heavy rainfall events if sufficient flow volume is present
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Total Ammonia, Nitrate (as N), Nitrite (as N), Total and Dissolved Metals ⁽⁵⁾ , Total Petroleum Hydrocarbons ⁽⁶⁾	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Total Ammonia, Nitrate (as N), Nitrite (as N), Total and Dissolved Metals ⁽⁵⁾ , Total Petroleum Hydrocarbons ⁽⁶⁾
Rationale:	To monitor for uncontrolled surface runoff and seepage from the ANFO Emulsion Plant.	
Status:	Inactive until ANFO Emulsion Plant is constructed.	

SNP Station SNP_21

Description:	Nearshore area in Nico Lake (Northwest Embayment)	
Location:	TBD (downstream of Co-Disposal Facility)	
Sampling Frequency:	One under ice-covered conditions	Three times during open-water conditions
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , Total Petroleum Hydrocarbons ⁽⁶⁾ , Biochemical Oxygen Demand, <i>Escherichia coli</i> , and fecal coliforms	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Major Ions ⁽³⁾ , Nutrients ⁽⁴⁾ , Total and Dissolved Metals ⁽⁵⁾ , Total Petroleum Hydrocarbons ⁽⁶⁾ , Chemical Oxygen Demand, <i>Escherichia coli</i> , and fecal coliforms
Rationale:	To monitor for seepage from the Co-Disposal Facility, Seepage Collection Ponds, and Surge Pond	
Status:	Inactive until construction of the Co-Disposal Facility begins.	

Timing for sample collection to align with the sampling frequency for the Aquatic Effects Monitoring Program.

SNP Station SNP_22

Description:	Marian River	
Location:	TBD (near the Nico Project Access Road bridge)	
Sampling Frequency:	TBD during ice-covered conditions	TBD during open-water conditions
Sampling Parameters:	Flow, Water Level	Flow, Water Level
Rationale:	To monitor flow in the Marian River during back-flooding of the open pit	
Status:	Inactive – Monitoring will commence a minimum of 60 days prior to withdrawal of water for back-flooding of the open pit.	

SNP Station SNP_23

Description:	Groundwater Monitoring Wells	
Location:	TBD	
Sampling Frequency:	TBD during open water conditions	
Sampling Parameters:	TBD	
Rationale:	To monitor groundwater down-gradient of mine facilities TBD.	
Status:	Inactive	

SNP Station SNP 5-2

Description:	Seepage from underground mine portal	
Location:	512858 E 7046684 N UTM 11	
Sampling Frequency:	Once prior to discharge During discharge: Once during the first week, and quarterly thereafter	
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Total Ammonia, Total and Dissolved Metals ⁽⁵⁾ , Total Petroleum Hydrocarbons ⁽⁶⁾	
Rationale:	To ensure seepage from portal meets water quality standards.	
Status:	Active – Station is to be monitored until underground mine is dewatered at which time the station will become inactive.	

SNP Station SNP 5-5

Description:	Water quality in Lou Lake	
Location:	510375 E 7047487 N UTM 11	
Sampling Frequency:	Monthly when camp is occupied	
Sampling Parameters:	Field Parameters ⁽¹⁾ , Standard Parameters ⁽²⁾ , Total Ammonia, Biochemical Oxygen Demand (BOD ₅), <i>Escherichia coli</i>	
Rationale:	To ensure seepage from sewage does not alter water quality in Lou Lake	
Status:	Active – Camp is in use seasonally	

Notes:

- (1) Field parameters shall include pH, conductivity, temperature, dissolved oxygen (as mg/L and percent saturation), and turbidity.
- (2) Standard parameters include pH (laboratory), electrical conductivity, total alkalinity (as CaCO_3), hardness (as CaCO_3), total dissolved solids, total suspended solids, and turbidity.
- (3) Major ions include bicarbonate (as CaCO_3), calcium, carbonate (as CaCO_3), chloride, fluoride, magnesium, potassium, sodium, sulphate, reactive silica.
- (4) Nutrients include total ammonia (as N), nitrate (as N), nitrite (as N), total Kjeldahl nitrogen, total phosphorus, total organic carbon, dissolved organic carbon.
- (5) Total and dissolved metals will include aluminum, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, cesium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, rubidium, selenium, silver, strontium, tin, thallium, titanium, uranium, vanadium, and zinc.
- (6) Total petroleum hydrocarbons (TPH) include petroleum hydrocarbon (PHC) fractions F1 through F4 and benzene, toluene, ethylbenzene, and xylene (BTEX).
- (7) Acute toxicity to Rainbow Trout (*Oncorhynchus mykiss*), per Environment Canada's Environmental Protection Series Biological Test Method EPS/RM/13; acute toxicity to the crustacean, *Daphnia magna* (water flea), per Environment Canada's Environmental Protection Series Biological Test Method EPS/RM/14.
- (8) Chronic toxicity to Fathead Minnows, *Pimephales promelas*, per Environment Canada's Environmental Protection Series Biological Test Method EPS 1/RM/22; chronic toxicity to the crustacean, *Ceriodaphnia dubia* (water flea), per Environment Canada's Environmental Protection Series Biological Test Method EPS 1/RM/21; chronic toxicity to the freshwater alga, *Raphidocelis subcapitata* (formerly *Pseudokirchneriella subcapitata*), per Environment Canada's Environmental Protection Series Biological Test Method EPS 1/RM/25; chronic toxicity to the freshwater macrophyte, *Lemna minor*, per Environment Canada's Environmental Protection Series Biological Test Method EPS 1/RM/37.

Attachments

Attachment A – Concordance Table of Items Requiring Submission

The table below summarizes the items the Licensee is required to submit as per the Licence conditions. In the event of a discrepancy between this table and the Licence conditions, the Licence conditions shall prevail.

Condition Location	Item	Date
Part B, Condition 20	Annual Water Licence Report	Beginning April 30, 2027, and no later than every April 30th thereafter
Part B, Condition 21	Water Licence Performance Report	Every five years following issuance of the Water Licence
Part B, Condition 23	Engagement Plan	No later than 60 days following the effective date of the Licence
Part B, Condition 29	Updated Project Information	A minimum of 90 days prior to commencing Construction
Part B, Condition 30	Risk Assessment	At the following times, or as otherwise approved by the Board: a) Whenever there is a material change in risk level for the project, during Construction, Operations, or Closure, including a life mine extension, temporary suspension of operations, after any incident, failure, near miss, or abnormal event, any time quantitative performance objectives are not met; and b) Any other time as recommended by the Expert Panels, the Engineer of Record, or as required by the Board.
Part B, Condition 31	Negotiations Contemplated Under Section 23.4.1	Prior to commencement of Construction
Part C, Condition 2	Update Closure Cost Estimate	At the following times: a) 90 days prior to commencement of construction; b) Six months prior to construction of the CDF; c) 24 months prior to the end of commercial operations; d) 90 days prior to active closure; e) With any Closure and Reclamation Plan submission as per Part I, Condition 3 (CLOSURE AND RECLAMATION PLAN – REVISED); and f) Upon request of the Board.
Part E, Condition 8	Structure Description and Construction Plan	A minimum of 90 days prior to the commencement of Construction of all structures, excluding Engineered Structures,

		intended to contain, withhold, divert, or retain Water or Wastes
Part E, Condition 9	Design and Construction Plans	Minimum 90 days prior to Construction of Engineered Structures not specified in Part E, Conditions 21, 29, and 32
Part E, Condition 10	Design Drawings	Minimum of 90 days prior to the commencement of Construction of any Engineered Structure
Part E, Condition 11	Notification Construction Engineered Structure(s)	Minimum of ten days prior to the commencement of Construction of any Engineered Structure(s)
Part E, Condition 12	Notification Construction	Minimum ten days prior to the commencement of Construction of any structure(s) intended to contain, withhold, divert, or retain Water or Wastes.
Part E, Condition 13	Emergency Response Plan	Minimum 90 days prior to Construction
Part E, Condition 15	As-Built Report	Within 90 days of completion of Construction
Part E, Condition 20	Co-Disposal Facility Terms of Reference	If revised, submit 60 days prior to implementation of any changes to the Terms of Reference.
Part E, Condition 21	Co-Disposal Facility Design and Construction Plan	6 months prior to commencement of Construction of the Co-Disposal Facility
Part E, Condition 24	CWTS Terms of Reference	If revised, submit 60 days prior to implementation of any changes to the Terms of Reference
Part E, Condition 26	Source Term Concentrations Reassessment	At the earliest of the following milestones: a) At least eight months prior to submission of the Co-Disposal Facility Management Plan (Part F, Condition 10) or the Co-Disposal Facility Design and Construction Plan (Part E, Condition 21). b) At least 60 days prior to the commencement of the next phase of the on-site pilot studies (Part E, Condition 27).
Part E, Condition 28	On-Site CWTS Pilot Studies Report	Annually, or as otherwise directed by the Board.
Part E, Condition 29	Demonstration-Scale CWTS Design and Construction Plan	No later than 12 months following commencement of open-pit mining
Part E, Condition 31	Demonstration Scale CWTS Studies Report	Annually, or as otherwise directed by the Board.
Part E, Condition 32	Full-Scale CWTS Design and Construction Plan	Once the Licensee collects five (5) years of data from the demonstration-scale CWTS, referred to in Part E, Condition

		30, or as otherwise approved by the Board
Part F, Condition 3	Waste Minimization Report	A minimum of 12 months prior to the commencement of Construction
Part F, Condition 6	Waste Management Plan	A minimum of 90 days prior to the commencement of Construction.
Part F, Condition 7	Water and Wastewater Management Plan	Minimum of 90 days prior to the commencement of Construction
Part F, Condition 8	Geochemical Characterization and Management Plan	Minimum of 6 months prior to the commencement of Construction.
Part F, Condition 9	Explosives Management Plan	Minimum of 90 days prior to the commencement of Construction
Part F, Condition 10	Co-Disposal Facility Management Plan	6 months prior to Construction of the Co-Disposal Facility
Part F, Condition 11	Dust, Erosion, and Sedimentation Management Plan	Minimum 90 days prior to Construction
Part F, Condition 12	Emergency Management Plan	Minimum 90 days prior to Construction
Part F, Condition 16	Geotechnical Inspection Report	Within 90 days of completing the annual geotechnical inspection
Part F, Condition 17	Dam Safety Review Notification	A minimum of ten (10) days prior to conducting the Dam Safety Review
Part F, Condition 20	Dam Safety Review Report	Prior to January 31 of the year following the year in which the Dam Safety Review was conducted
Part F, Condition 25	Notification Waste Disposal	A minimum of ten (10) days prior to disposing of any Waste into a licenced municipal facility
Part F, Condition 29	Effluent Quality Criteria Re-evaluation Report	Minimum of 12 months prior to the commencement of Construction
Part F, Condition 35	Plume Delineation Study Design	Minimum of 90 days prior to conducting the plume delineation study
Part F, Condition 36	Plume Delineation Study Report	Within 90 days of the completion of the plume delineation study referred to in Part F, Condition 35
Part G, Condition 2	Supplemental Baseline Monitoring Plan	Completed (revision to plan is not anticipated)
Part G, Condition 3	Baseline Summary Report	6 months prior to commencement of Construction
Part G, Condition 4	AEMP Design Plan	6 months prior to Construction
Part G, Condition 6	AEMP Re-evaluation Report	Three years after implementation of the AEMP and every three years after
Part G, Condition 8	AEMP Annual Report	April 30 in the year following implementation of the AEMP and every year after

Part G, Condition 11	Groundwater Monitoring Baseline Data Report	Six months prior to commencement of Construction
Part I, Condition 1	Closure and Reclamation Plan	6 months prior to Construction of the Co-Disposal Facility
Part I, Condition 3	Closure and Reclamation Plan - Revised	Every three years following the previous approval, or as directed by the Board.
Part I, Condition 4	Closure and Reclamation Plan - Final	Three years prior to the expiry date of this Licence, or a minimum of two years prior to the end of operations, whichever occurs first
Part I, Condition 5	Component Specific Closure and Reclamation Plan	One year prior to Progressive Reclamation of any specific component of the Project or one year prior to end of operations of any Project component, and until a final Closure and Reclamation Plan is approved.
Part I, Condition 9	Reclamation Research Report	Every three years following the commencement of Reclamation Research.
Part I, Condition 10	Closure And Reclamation Completion Report	Within 90 days of completing Closure and Reclamation of any specific component of the Project
Part I, Condition 11	Post Closure Monitoring and Maintenance Plan	As directed by the Board
Part I, Condition 12	Performance Assessment Report	Within five years of completing Closure and Reclamation of any specific component of the Project or as outlined in the approved Final Closure and Reclamation Plan.
Part I, Condition 13	Temporary Closure Plan	A minimum of six months prior to Construction of the Co-Disposal Facility
Schedule 8, Part A, Condition 2	Monthly SNP Reports	Within 30 days following each month being reported
Schedule 8, Part D, Condition 3	Quality Assurance/Quality Control Plan	At least 60 days prior to the initiation of the sampling under the SNP

Attachment B – Revision History Table

The table below summarizes revisions made to the Licence since its effective date (as set out on the Cover Page).

Date	Location of Change	Description of Change