

Green highlights indicate "to be determined"

Land and Water Boards of the Mackenzie Valley



Draft Water Licence Conditions

Type B Water Licence MV2021L8-0008
Slave Lake Zinc – O'Connor Lake Project

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Part A: Scope and Defined Terms

Scope:

1. This Licence entitles the Licensee to use Water and deposit Waste for Miscellaneous activities at the O'Connor Lake Project. SCOPE

The scope of this Licence includes the following:
 - a) Withdrawal of Water for exploration drilling and operation of a camp;
 - b) Depositing of Waste to [enter location/facility];
 - c) Construction, operation, and maintenance of camp;
 - d) Use and storage of fuel;
 - e) Use of equipment and machines; and
 - f) Progressive Reclamation and associated Closure and Reclamation activities.

2. The scope of this Licence is as described in the Preliminary Screening for MV2021L8-0008, dated [enter full date of most recent preliminary screening for the project]. 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 deposits of such Waste may enter any Waters. Any change made to the *Mackenzie Valley Resource Management Act* and/or Mackenzie Valley Federal Areas 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, 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.

Analyst – an Analyst designated by the Minister under subsection 84(2) of the *Mackenzie Valley Resource Management Act*.

Artesian Aquifer – a Water-bearing stratum which, when encountered during drilling operations, produces a pressurized flow of Groundwater that reaches an elevation above the Water table or above the ground surface.

Board – the Mackenzie Valley Land and Water Board established under subsection 99(1) of the *Mackenzie Valley Resource Management Act*.

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

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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.

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

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

Drilling Waste – Waste material specifically produced from drilling activity.

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

Engineered Structure – any structure or facility related to Water Use or the deposit of Waste that is designed by a Professional Engineer, including but not limited to the [enter list of structures/facilities] associated with the Project.

Groundwater – as defined in section 2 of the Mackenzie Valley Federal Areas 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 discharged.

Inspector – an Inspector designated by the Minister under subsection 84(1) of the *Mackenzie Valley Resource Management Act*.

Licensee – the holder of this Licence.

Mackenzie Valley Federal Areas Waters Regulations – the regulations proclaimed pursuant to section 90.3 of the *Mackenzie Valley Resource Management Act*.

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

Minister – the Minister of Northern Affairs.

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.

Commented [KM1]: Board staff did not identify any Engineered Structures in the Application. Seeking reviewer input.

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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 deposit of Waste from the Project.

RECLAIM – the Crown-Indigenous Relations and Northern Affairs Canada's model for estimating Closure and Reclamation costs.

Sewage – all Toilet Wastes and Greywater.

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

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 Annex A

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

Waste – as defined in section 51 of the *Mackenzie Valley Resource Management Act*:

any substance that would, to an extent that is detrimental to its use by people or by any animal, fish or plant, degrade or alter or form part of a process of degradation or alteration of the quality of any water to which it is added. Alternatively, it means any 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 any other water, degrade or alter or form part of a process of degradation or alteration of the quality of that other water to which it is added. It includes:

- a) any substance or water that is deemed, under subsection 2(2) of the *Canada Water Act*, to be waste;
- b) any substance or class of substances prescribed by regulations made under subparagraph 90.3(1)(b)(i);
- c) water that contains any substance or class of substances in a quantity or concentration that is equal to or greater than a quantity or concentration prescribed
- d) in respect of that substance or class of substances by regulations made under subparagraph 90.3(1)(b)(ii); and
- e) water that has been subjected to a treatment, process or change prescribed by regulations made under subparagraph 90.3(1)(b)(iii).

Waste Disposal Facilities – the area(s) and structures designated for the disposal of Waste, including, but not limited to, the **Sewage Disposal Facilities, Solid Waste Disposal Facilities**.

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

Wastewater – 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 – as defined in section 51 of the *Mackenzie Valley Resource Management Act*: any inland waters, whether in a liquid or frozen state, on or below the surface of land.

Watercourse – as defined in section 2 of the Mackenzie Valley Federal Areas Waters Regulations: a natural watercourse, body of Water or Water supply, whether usually containing Water or not, and includes Groundwater, springs, swamps, and gulches.

Water Management Area – a geographical area of the Northwest Territories established by section 3 and Schedule 1 of the Mackenzie Valley Federal Areas Waters Regulations.

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

Water Use – as defined in section 51 of the *Mackenzie Valley Resource Management Act*: a direct or indirect use of any kind other than a use connected with shipping activities that are governed by the *Canada Shipping Act, 2001*, including

- a) any diversion or obstruction of waters;
- b) any alteration of the flow of waters; and
- c) any 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.

Water Use Fee – the fee for use of Water as per the Mackenzie Valley Federal Areas Waters Regulations pursuant to section 90.3 of the *Mackenzie Valley Resource Management Act* and the MVLWB *Water Use Fee Policy*.

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Part B: General Conditions

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| 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 MVLWB <i>Document Submission Standards</i> ;
b) Include a conformity statement or table which identifies where the requirements of this Licence, or other directives from the Board, are addressed; and
c) Include any additional information requested by the Board. | SUBMISSION FORMAT AND CONFORMITY |
| 7. | The Licensee shall ensure management plans are submitted to the Board in a format consistent with the MVLWB <i>Standard Outline for Management Plans</i> , unless otherwise specified. | MANAGEMENT PLAN FORMAT |
| 8. | The Licensee shall comply with all 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 [insert date] 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 |

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| 13. | The Licensee shall comply with the Schedules , which are annexed to and form part of this Licence, and any updates to the Schedules as may be made by the Board. | COMPLY WITH SCHEDULE(S) |
| 14. | The Licensee shall comply with the Surveillance Network Program , which is annexed to and forms part of this Licence, and any updates to the Surveillance Network Program as may be made by the Board. | COMPLY WITH SURVEILLANCE NETWORK PROGRAM |
| 15. | The Schedules, the Surveillance Network Program, and any compliance dates specified in this Licence may be updated at the discretion of the Board. | UPDATES TO COMPLIANCE DATE(S) |
| 16. | 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 |
| 17. | 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) |
| 18. | The Licensee shall install, operate, and maintain meters, devices, or other such methods for measuring the volumes of Water used and Waste discharged to the satisfaction of an Inspector. | MEASURE WATER USE AND WASTE DISCHARGED |
| 19. | Beginning [enter date, including the year] and no later than every [enter date] 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 |
| 20. | The Licensee shall comply with the Engagement Plan , once approved. | ENGAGEMENT PLAN |
| 21. | Option 1:
Within 90 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 |
| | OR | |
| | Option 2:
A minimum of 90 days prior to commencement of activities, 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. | |
| 22. | 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 |
| 23. | A minimum of ten days prior to re-commencement of Project activities following a temporary shut-down period, the Licensee shall provide written notification to the Board and an Inspector. Notification shall include the commencement date, and the name and | NOTIFICATION - RE-COMMENCEMENT |

Commented [JH2]: Board staff seeking input on whether SNP is required.

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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.

24. The Licensee shall immediately provide written notification to the Board and an Inspector of any non-compliance with the conditions of this Licence.
25. 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.
26. The Licensee shall ensure that a copy of any written authorization issued to the Licensee by an Inspector is provided to the Board.
27. The Licensee shall submit a current Project schedule to the Board and an Inspector upon request.

**NOTIFICATION –
NON-COMPLIANCE
WITH CONDITIONS**

**NOTIFICATION –
NON-COMPLIANCE
WITH DIRECTIVES**

**COPY – WRITTEN
AUTHORIZATION**

**SUBMIT CURRENT
PROJECT SCHEDULE**

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Part C: Security

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| 1. The Licensee shall post and maintain a security deposit with the Minister in accordance with Schedule 2. The Licensee shall not commence Project activities until the security deposit has been accepted by the Minister. | POST SECURITY DEPOSIT |
| 2. Upon request of the Board, the Licensee shall submit an updated Closure Cost Estimate using the current version of RECLAIM or another method acceptable to the Board. | UPDATE CLOSURE COST ESTIMATE |
| 3. The amount of the security deposit required by Part C, Condition 1 may be adjusted by the Board:
a) Based on an updated Closure Cost Estimate as per Part C, Condition 2; 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, 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:
a) Closure and Reclamation Plans;
b) Closure and Reclamation Completion Reports; or
c) Performance Assessment Reports. | SECURITY ADJUSTMENT REQUESTS |

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Part D: Water Use

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| 1. | The Licensee shall only obtain fresh Water for the Project from O'Connor Lake. The Licensee may withdraw up to 295 m ³ /day of Water from this source. | WATER SOURCE AND
MAXIMUM VOLUME |
| 2. | In any single ice-covered season, the Licensee shall not withdraw greater than 10% of the available Water volume of any Watercourse, as calculated using the appropriate maximum expected ice thickness. | MAXIMUM UNDER-
ICE WATER
WITHDRAWAL
VOLUME |
| 3. | The Licensee shall only withdraw Water using the Water Supply Facilities, unless otherwise authorized temporarily in writing by an Inspector. | WATER
WITHDRAWAL –
FACILITIES |
| 4. | 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. | POST WATER INTAKE
SIGN(S) |
| 5. | The Licensee shall construct and maintain the Water intake(s) with a screen designed to prevent impingement or entrapment of fish. | WATER INTAKE
SCREEN |
| 6. | Prior to locating a Water intake in a fish-bearing Watercourse, the Licensee shall obtain written authorization for the location from an Inspector. | WATER INTAKE
LOCATION –
AUTHORIZATION |
| 7. | Each year, prior to the [enter: 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 MVLWB <i>Water Use Fee Policy</i> . | WATER USE FEE |

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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. <u>Option 1:</u>
The Licensee shall ensure that all material used in Construction of the [enter: Project OR specific project component(s)] meets the geochemical criteria specified in the approved [enter name of management plan] referred to in Part F, Condition X. | CONSTRUCTION
MATERIAL –
GEOCHEMICAL
CRITERIA |
| OR | |
| <u>Option 2:</u>
The Licensee shall ensure that only material that meets [enter geochemical criterion] is used for Construction, unless otherwise approved by the Board. | |
| 3. The Licensee shall only use material that is clean and free of contaminants and is from a source that has been authorized in writing by an Inspector. | CONSTRUCTION
MATERIAL –
SOURCE(S) |
| 4. 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 |
| 5. The Licensee shall maintain geochemical records of Construction materials for all structure and make them available at the request of the Board or an Inspector. | GEOCHEMICAL
RECORDS |
| 6. 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 3, Condition 1. The Licensee shall not commence Construction of the structure(s) prior to Board approval of the Plan. | STRUCTURE
DESCRIPTION AND
CONSTRUCTION
PLAN |
| 7. 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 |
| 8. 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) |

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Part F: Waste and Water Management

1. The Licensee shall manage Waste and Water with the objective of minimizing the impacts of the Project on the quantity and quality of Water in the Receiving Environment through the use of appropriate mitigation measures, monitoring, and follow-up actions. **OBJECTIVE – WASTE AND WATER MANAGEMENT**
2. The Licensee shall minimize erosion by implementing suitable erosion control measures that shall be located and maintained to the satisfaction of an Inspector. **EROSION CONTROL**

Management and Monitoring Plans

3. The Licensee shall comply with the **Waste Management Plan**, once approved. **WASTE MANAGEMENT PLAN**
4. **Option 1:** Within 90 days following the effective date of this Licence, the Licensee shall submit to the Board, for approval, a revised Waste Management Plan. The Licensee shall not commence Project activities prior to Board approval of the Plan. **WASTE MANAGEMENT PLAN – REVISED**

OR

Option 2: A minimum of 90 days prior to commencement of activities, the Licensee shall submit to the Board, for approval, a revised **Waste Management Plan**. The Plan shall be in accordance with the requirements of Schedule X, Condition Y. The Licensee shall not commence [enter: Project activities OR activities described in the Plan] prior to Board approval of the Plan.

Operation of Structures and Facilities

5. The Licensee shall operate and maintain the Waste Disposal Facilities to prevent structural failure and to the satisfaction of an Inspector. **PREVENT STRUCTURAL FAILURE**

Inspection of Structures and Facilities

6. The Licensee shall conduct daily erosion inspections of Discharge locations, with the exception of [enter Discharge location(s)], during periods of Discharge, or more frequently as directed by an Inspector. Records of these inspections shall be made available to the Board or an Inspector upon request. **DAILY INSPECTIONS OF DISCHARGE LOCATIONS**

Discharge and Disposal Locations and Rates

7. The Licensee shall deposit all Waste as described in the approved **Waste Management Plan**. **ALL WASTE – WASTE MANAGEMENT PLAN**
8. A minimum of ten days prior to depositing any Waste into a licenced municipal facility, the Licensee shall provide written notification to the Board and an Inspector. **NOTIFICATION – WASTE DEPOSIT**

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9. The Licensee shall not discharge Waste, including Wastewater, to any Watercourse, or to the ground surface within 100 metres of the Ordinary High-Water Mark of any Watercourse.

DISCHARGE
LOCATION –
ORDINARY HIGH-
WATER MARK

Other

10. If an Artesian Aquifer is encountered and producing Water at the ground surface, the Licensee shall:
- a) Implement the Spill Contingency Plan;
 - b) Within 48 hours, notify the Board and an Inspector, in writing, including the flow rate in cubic metres;
 - c) Deposit Artesian Aquifer Water to a snow-bermed or self-contained area, unless otherwise authorized by an Inspector;
 - d) Collect a sample of no less than ten litres of Artesian Aquifer Water, provide five litres of the sample to an Inspector for analysis, analyze the remaining sample as set out for SNP station [enter station number], and provide the analytical results to the Board and an Inspector;
 - e) Seal the borehole to permanently prevent any further outflow of water and to the satisfaction of an Inspector; and
 - f) Within 24 hours following cessation of the flow of Artesian Aquifer Water, submit a detailed report of the event to the Board and an Inspector, including the total amount of Water in cubic metres that has been released, and the total amount of Water in cubic metres stored in the snow-bermed, or otherwise approved, storage area.

REPORT ARTESIAN
AQUIFER

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Part G: Aquatic Effects Monitoring

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Part H: Spill Contingency Planning

1. The Licensee shall ensure that Unauthorized Discharges associated with the Project do not enter any Waters. **OBJECTIVE – PREVENT WASTE INTO WATER**
2. The Licensee shall comply with the **Spill Contingency Plan**, once approved. **SPILL CONTINGENCY PLAN**
3. **Option 1:**
Within 90 days [enter either: following the effective date of this Licence OR prior to the commencement of activities], the Licensee shall submit to the Board, for approval, a revised **Spill Contingency Plan**. The Licensee shall not commence Project activities prior to Board approval of the Plan. **SPILL CONTINGENCY PLAN – REVISED**
OR
Option 2:
A minimum of 90 days prior to the commencement of [enter Project-specific activity], the Licensee shall submit to the Board, for approval, a revised **Spill Contingency Plan**. The Licensee shall not commence [enter Project-specific activity] prior to Board approval of the Plan.
4. If a spill or an Unauthorized Discharge occurs or is foreseeable, the Licensee shall: **REPORT SPILLS**
 - a) Implement the approved Spill Contingency Plan referred to in Part H, Condition 1;
 - b) Report it immediately using the NU-NT Spill Report Form by one of the following methods:
 - Telephone: (867) 920-8130
 - Fax: (867) 873-6924
 - E-mail: spills@gov.nt.ca
 - Online: Spill Reporting and Tracking Database
 - c) 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
5. The Licensee shall ensure that spill prevention infrastructure and spill response equipment is in place prior to commencement of the Project. **SPILL PREVENTION AND RESPONSE EQUIPMENT**
6. The Licensee shall restore all areas affected by spills and Unauthorized Discharges to the satisfaction of an Inspector. **CLEAN UP SPILLS**
7. The Licensee shall not establish any fuel storage facilities or refueling stations, or store chemicals or Wastes within 100 metres of the Ordinary High-Water Mark of any Watercourse. **MATERIAL STORAGE – ORDINARY HIGH-WATER MARK**

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Part I: Closure and Reclamation

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| 1. Within 18 months following the effective date of this Licence, the Licensee shall submit to the Board, for approval, a Closure and Reclamation Plan . | CLOSURE AND RECLAMATION PLAN |
| 2. 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 . | CLOSURE AND RECLAMATION PLAN – REVISED |
| 3. 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 . | CLOSURE AND RECLAMATION PLAN – FINAL |
| 4. The Licensee shall endeavor to carry out approved Progressive Reclamation as soon as is reasonably practicable. | PROGRESSIVE RECLAMATION |
| 5. The Licensee shall not conduct Progressive Reclamation except as approved by the Board. | PROGRESSIVE RECLAMATION – CARRY OUT AS APPROVED |
| 6. Beginning [enter date, including the year] and no later than every [enter date] 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. | PROGRESSIVE RECLAMATION – NOTIFICATION |
| 7. 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> . | CLOSURE AND RECLAMATION COMPLETION REPORT |

Signed on behalf of the **[Enter Name of BOARD]**

[Enter NAME Chair], Chair

[Enter NAME of Witness], Witness

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Schedule 1: Annual Water Licence Report

1. The **Annual Water Licence Report** referred to in Part B, Condition X 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 monthly and annual quantities in cubic metres of fresh Water obtained from all sources, as required in Part B, Condition X of this Licence;
 - d) A summary of the calibration and status of the meters and devices referred to in Part B, Condition X of this Licence;
 - e) A summary of engagement activities conducted in accordance with the approved **Engagement Plan**, referred to in Part B, Condition X 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;
A summary of activities conducted in accordance with the approved **Waste Management Plan**, referred to in Part F, Condition 3 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, in cubic metres, of combustible solid Waste discharged, by location;
 - iii. Monthly and annual quantities of Drilling Waste and Greywater discharged to Sumps, by location;
 - iv. Monthly and annual quantities, in cubic metres, of ash removed from the incinerator and taken to an approved disposal facility, identified by disposal location;
 - v. Monthly and annual quantities, in cubic metres, of Sewage removed from the Sewage Disposal Facilities, identified by disposal location;
 - vi. Monthly and annual quantities, in cubic metres, of non-combustible solid Waste, Hazardous Waste, hydrocarbon-contaminated soil and water removed and taken to an approved disposal facility; and
 - vii. A map depicting the location of the Sumps.
 - i) A summary of the results and any actions taken as a result of the following inspections:
 - i. Inspections conducted to fulfill Part X of this Licence; and
 - ii. Inspections conducted under the [enter plan or manual name], required under Part X of this Licence.
 - j) 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 Unauthorized Discharges, including the date, NWT spill number, volume, location, summary of the circumstances and follow-up actions taken, and status (i.e. open or closed), in accordance with the reporting requirements in Part H, Condition 2 of this Licence; and
 - ii. An outline of any spill training carried out.
 - k) 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;

Green highlights indicate "to be determined"

- 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; and
- v. A list of any factors that would increase or decrease the Closure Cost Estimate the next time the Estimate is updated.

l) Tabular summaries of all data and information generated under the SNP annexed to this Licence, in Excel format.

- m) 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;
- n) A summary of actions taken to address concerns, non-conformances, or deficiencies in any reports filed by an Inspector; and
- o) Any other details requested by the Board by [enter date] of the year being reported.

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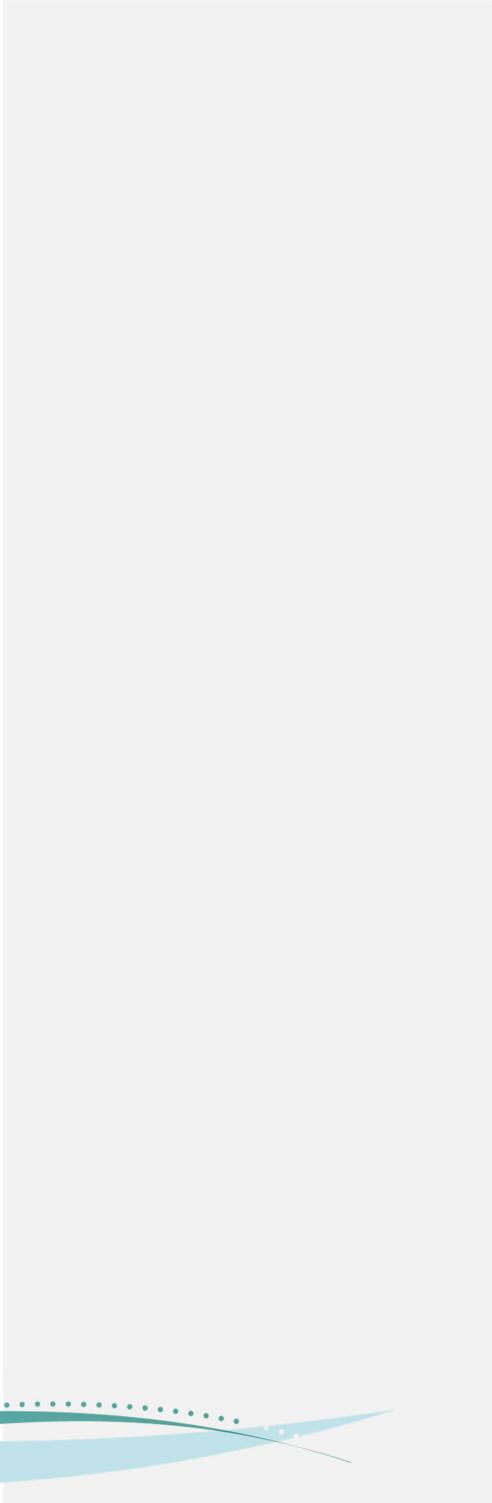
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Schedule 2: Conditions Applying to Security

1.

a)

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Schedule 3: Conditions Applying to Construction

1. The Structure Description and Construction Plan referred to in Part E, Condition X 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.