

Conditions Annexed to and Forming Part of Land Use Permit # S22A-002

Part A: Scope of Permit

1. This Permit entitles the Permittee to conduct the following land-use operation:
 - a) mobilization and demobilization of heavy equipment;
 - b) use of equipment for winter access road and ice pad construction and maintenance;
 - c) use of equipment for well abandonment activities;
 - d) use of earth-moving equipment for reclamation activities;
 - e) use and storage of fuel;
 - f) use of camp sites for more than 400 person-days;
 - g) activities related to post-closure reclamation, remediation and monitoring.
2. This Permit is issued subject to the conditions contained herein with respect to the use of land for the activities and area identified in Part A, item 1 of this Permit.
3. Compliance with the terms and conditions of this Permit does not excuse the Permittee from its obligation to comply with the requirements of any applicable Federal, Territorial, Deline, Tłıchǫ, or Municipal laws.

Part B: Definitions (defined terms are capitalized throughout the Permit)

Act - the *Mackenzie Valley Resource Management Act*.

Board - the Sahtu Land and Water Board established under Part 3 of the Act.

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

Dogleg - the clearing of a line, trail, or right-of-way that is curved sufficiently so that no part of the clearing beyond the curve is visible when approached from either direction.

Durable Land - land that is able to withstand repeated use, such as gravel or sand with minimal vegetative cover.

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

Fuel Storage Container - a container for the storage of petroleum or allied petroleum products with a capacity of less than 230 litres.

Fuel Storage Tank - a closed container for the storage of petroleum or allied petroleum products with a capacity of more than 230 litres.

Greywater - all liquid wastes from showers, baths, sinks, kitchens, and domestic washing facilities but not including toilet wastes.

Habitat - the area or type of site where a species or an individual of a species of wildlife naturally occurs or on which it depends, directly or indirectly, to carry out its life processes.

Inspector - an Inspector designated by the Minister under the Act.

Minister - the Minister of Indian Affairs and Northern Development Canada or the Minister of the Government of the Northwest Territories – Department of Lands, as the case may be.

Ordinary High-Water Mark - the usual or average level to which a body of water rises at its highest point and remains for sufficient time so as to change the characteristics of the land. In flowing waters (rivers, streams) this refers to the “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 predominately aquatic vegetation to terrestrial vegetation (excepting water tolerant species). For reservoirs, this refers to normal high operating levels (full supply level).

Permittee - the holder of this permit.

Permafrost - ground (soil or rock) that remains at or below 0°C for at least two consecutive years.

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.

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

Safety Data Sheet - a technical document, typically written by the manufacturer or supplier of a chemical, that provides information about the hazards associated with the product, advice about safe handling and storage, and emergency response procedures.

Secondary Containment - containment that prevents liquids that leak from Fuel Storage Tanks or containers from reaching outside the containment area and includes double-walled Tanks, piping, liners, and impermeable barriers.

Sewage - all toilet wastes and Greywater.

Shut Down Period - The period of time between April 15 to November 15 each year, for the purpose of the well abandonment operation only.

Spill Contingency Plan - a document, developed in accordance with Aboriginal Affairs and Northern Development Canada's *Guidelines for Spill Contingency Planning* that describes the set of procedures to be implemented to minimize the effects of a spill.

Spring Break-up – April 15 each year, for the purpose of the well abandonment operation, or as revised by an Inspector.

Toxic Material - any substance that enters or may enter the environment in a quantity or concentration or under conditions such that it:

- a) Has or may have an immediate or long-term harmful effect on the environment or its biological diversity;
- b) Constitutes or may constitute a danger to the environment on which life depends; or
- c) Constitutes or may constitute a danger in Canada to human life or health.

Waste - any garbage, debris, chemical, or Toxic Material to be used, stored, disposed of, or handled on land, and also as defined in section 51 of the Act.

Waste Management Plan - a document, developed in accordance with the Board's Guidelines for Developing a Waste Management Plan, that describes the methods of Waste management from Waste generation to final disposal.

Watercourse - a natural body of flowing or standing water or an area occupied by water during part of the year, and includes streams, springs, swamps and gulches but does not include groundwater.

Part C: Conditions Applying to All Activities (headings correspond to subsection 26(1) of the Mackenzie Valley Land Use Regulations)

26(1)(a) Location and Area

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| 1. | The Permittee shall only conduct this land-use operation on lands designated in the application. | LOCATION OF ACTIVITIES |
| 2. | The Permittee shall not conduct any part of the land-use operation within 100 metres of any privately owned or leased land or structures, including cabins used for traditional activities, unless otherwise approved by the Board. | PRIVATE PROPERTY SETBACK |
| 3. | The Permittee shall locate all camps on Durable Land or previously cleared areas, and a minimum of 100 metres from the Ordinary High Water Mark. | CAMP SETBACK |
| 4. | The Permittee shall use an existing campsite, as described in the complete application. | USE EXISTING CAMP |
| 5. | The Permittee shall locate all lines, trails, and right-of-ways to be constructed parallel to any Watercourse a minimum of 100 metres from the Ordinary High Water Mark, except at crossings. | PARALLEL WATERCOURSE SETBACK |
| 6. | The Permittee shall not construct parallel lines or roads, unless an existing line or road cannot be used. | PARALLEL ROADS |
| 7. | The Permittee shall confine the width of the right-of-way to a maximum of 10 metres. | WIDTH RIGHT-OF-WAY |

26(1)(b) Time

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| 8. | At least 48 hours prior to the initial commencement of the land-use operation, the Permittee's Field Supervisor shall notify the Board and contact an Inspector at (867) 587-7205 | INITIAL NOTIFICATION – CONTACT INSPECTOR |
| 9. | At least 48 hours prior to commencement of the land-use operation, the Permittee shall provide the following information, in writing, to the Board and an Inspector:
<ul style="list-style-type: none"> a) the name(s) of the person(s) in charge of the field operation; b) alternates; and c) all methods for contacting the above person(s). | IDENTIFY AGENT |
| 10. | At least ten days prior to the Shut Down Period or Spring Break-up, the Permittee shall advise an Inspector of: | REPORTS BEFORE SEASONAL REMOVAL |

- a) the plan for removal or storage of equipment and materials; and
- b) when cleanup and Progressive Reclamation of the land used will be completed.

11. At least ten days prior to the completion of the land-use operation, the Permittee shall advise an Inspector of:
- a) the plan for removal or storage of equipment and materials;
 - b) when final cleanup and reclamation of the land used will be completed; and
 - c) when the Final Plan will be submitted.

**REPORTS BEFORE
FINAL REMOVAL**

26(1)(c) Type and Size of Equipment

12. The Permittee shall only use equipment of a similar type, size, and number to that listed in the complete application.

**USE APPROVED
EQUIPMENT**

26(1)(d) Methods and Techniques

13. The Permittee shall Dogleg lines, trails and right-of-ways that approach Watercourses or public roads.

**DOGLEG
APPROACHES**

14. Prior to the movement of any vehicle that exerts pressure on the ground in excess of 35 kPa, the Permittee shall scout proposed lines and routes to select the best location for crossing streams and avoiding terrain obstacles.

**DETOURS AND
CROSSINGS**

15. The Permittee shall construct and maintain the overland portion of winter roads with a minimum of 10 cm of packed snow and/or ice at all times during this land-use operation.

WINTER ROADS

16. The Permittee shall not erect camps or store material, other than that required for immediate use, on the ice surface of a Watercourse.

STORAGE ON ICE

26(1)(e) Type, Location, Capacity, and Operation of All Facilities

17. The Permittee shall ensure that the land use area is kept clean at all times.

CLEAN WORK AREA

26(1)(f) Control or Prevention of Ponding of Water, Flooding, Erosion, Slides, and Subsidence of Land

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| <p>18. The Permittee shall insulate the ground surface beneath all structures associated with this land-use operation to prevent:</p> <ul style="list-style-type: none"> a) any vegetation present from being removed; b) the melting of Permafrost; and c) the ground settling and/or eroding. | <p>PERMAFROST
PROTECTION</p> |
| <p>19. The Permittee shall prepare and submit to the Board and Inspector, for approval, a Permafrost Protection Contingency Plan that outlines additional mitigation measures to be taken if permafrost is exposed during operational activities. The Plan shall be submitted 90 days prior to Winter Project commencement.</p> | <p>PERMAFROST
PROTECTION
CONTINGENCY
PLAN</p> |
| <p>20. The land-use operation shall not cause obstruction to any natural drainage.</p> | <p>NATURAL
DRAINAGE</p> |
| <p>21. The Permittee shall install and maintain suitable erosion control structures as the land-use operation progresses.</p> | <p>PROGRESSIVE
EROSION CONTROL</p> |
| <p>22. The Permittee shall apply appropriate mitigation at the first sign of erosion.</p> | <p>REPAIR
EROSION</p> |
| <p>23. The Permittee shall prepare and submit to the Board and Inspector, for approval, a Sediment and Erosion Control Contingency Plan that outlines additional mitigation measures to be taken to remediate any degradation resulting from erosion after during operational activities. The Plan shall be submitted 90 days prior to Winter Project commencement.</p> | <p>SEDIMENT AND
EROSION CONTROL
CONTINGENCY
PLAN</p> |
| <p>24. The Permittee shall only conduct off-road vehicle travel on snow-covered surfaces.</p> | <p>OFF-ROAD VEHICLE
TRAVEL</p> |
| <p>25. The Permittee shall prepare the site in such a manner as to prevent rutting or gouging of the ground surface.</p> | <p>PREVENTION OF
RUTTING</p> |
| <p>26. The Permittee shall suspend overland travel of equipment or vehicles at the first sign of rutting or gouging.</p> | <p>SUSPEND
OVERLAND TRAVEL</p> |
| <p>27. The Permittee shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.</p> | <p>VEHICLE
MOVEMENT
FREEZE-UP</p> |
| <p>28. The Permittee shall only use clean water and snow in the construction of ice bridges and snow fills.</p> | <p>CONSTRUCT
ICE BRIDGES
SNOWFILLS</p> |
| <p>29. Prior to Spring Break-up or completion of the land-use operation, the Permittee shall clean up and either remove or v-notch all ice</p> | <p>REMOVE
ICE BRIDGES/
SNOWFILLS</p> |

bridges and snowfills from stream crossings, unless otherwise authorized in writing by an Inspector.

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| 30. The Permittee shall minimize approach grades on all Watercourse crossings. | MINIMIZE APPROACH |
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26(1)(g) Use, Storage, Handling, and Ultimate Disposal of Any Chemical or Toxic Material

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| 31. The Permittee shall dispose of all Toxic Material as described in the approved Waste Management Plan. | WASTE CHEMICAL DISPOSAL |
| 32. The Permittee shall dispose of all combustible Waste petroleum products by removal to an approved disposal facility. | WASTE PETROLEUM DISPOSAL |
| 33. The Permittee shall provide written notification to the Board and Inspector a minimum of 10 days prior to the initial deposit of Waste, demonstrating that the licenced disposal facility has agreed to accept the Waste and has the capacity to receive the volumes of Waste requested. | NOTIFICATION OF SOLID WASTE DISPOSAL |

26(1)(h) Wildlife and Fish Habitat

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| 34. The Permittee shall take all reasonable measures to prevent damage to wildlife and fish Habitat during this land-use operation. | HABITAT DAMAGE |
| 35. The Permittee shall not destroy or damage beaver dams or lodges, muskrat push-ups, raptor nests, bear dens and other wildlife hibernacula. | WILDLIFE ABODES |
| 36. The Permittee shall use Wildlife Monitors to conduct Bear Den and other wildlife abode surveys in the fall prior to Project commencement in areas within 800 metres of the Project footprint surveys. | BEAR DEN SURVEYS |
| 37. If an active Bear Den is detected in the Project area, the Permittee shall contact GNWT-ENR to discuss mitigation options. | REPORT DENS |

26(1)(i) Storage, Handling, and Disposal of Refuse or Sewage

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| 38. The Permittee shall dispose of all Waste as described in the Waste Management Plan , once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations, technology, chemicals, or fuels, or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval. | WASTE MANAGEMENT |
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39. The Permittee shall keep all garbage and debris in a secure container until disposal. **GARBAGE CONTAINER**

40. The Permittee shall dispose of all Sewage and Greywater as described in the approved Waste Management Plan. **SEWAGE DISPOSAL - PLAN**

26(1)(j) Protection of Historical, Archaeological, and Burial Sites

41. The Permittee shall not operate any vehicle or equipment within 150 metres of a known or suspected historical or archaeological site or within 500 m of a burial ground. **ARCHAEOLOGICAL BUFFER**

42. The Permittee shall not knowingly remove, disturb, or displace any archaeological specimen or site. **SITE DISTURBANCE**

43. The Permittee shall, where a suspected archaeological or historical site, or burial ground is discovered: **SITE DISCOVERY AND NOTIFICATION**

- a) immediately suspend operations on the site; and
- b) notify the Board at (867) 598-2413 or an Inspector at (867) 587-7205, and the Prince of Wales Northern Heritage Centre at 767-9347 ext. 71251 or ext. 71255.

26(1)(k) Objects and Places of Recreational, Scenic, and Ecological Value

26(1)(l) Security Deposit

44. Prior to the commencement of the land-use operation, the Permittee shall deposit with the Minister a security deposit in the amount of \$ [REDACTED]. **SECURITY DEPOSIT**

45. All costs to remediate the area under this Permit are the responsibility of the Permittee. **RESPONSIBILITY FOR REMEDIATION COSTS**

26(1)(m) Fuel Storage

46. The Permittee shall: **REPAIR LEAKS**

- a) examine all Fuel Storage Containers and Tank for leaks; and
- b) repair all leaks immediately.

47. The Permittee shall place Fuel Storage Containers and or Tanks a minimum of 100 metres from the Ordinary High Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. **FUEL STORAGE SETBACK**

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| 48. The Permittee shall ensure that all fuel caches have adequate Secondary Containment. | FUEL CACHE
SECONDARY
CONTAINMENT |
| 49. The Permittee shall set up all refueling points with Secondary Containment. | SECONDARY
CONTAINMENT -
REFUELING |
| 50. The Permittee shall not allow petroleum products to spread to surrounding lands or Watercourses. | FUEL
CONTAINMENT |
| 51. The Permittee shall locate mobile fuel facilities on land when the facilities are stationary for more than 12 hours. | FUEL ON LAND |
| 52. The Permittee shall mark all Fuel Storage Containers and Tanks with the Permittee's name. | MARK
CONTAINERS AND
TANKS |
| 53. The Permittee shall mark all stationary fuel caches and fuel storage facilities with flags, posts, or similar devices so that they are at all times plainly visible to local vehicle travel. | MARK FUEL
LOCATION |
| 54. The Permittee shall have a maximum of 380,000 litres of fuel stored on the land use site at any time, unless otherwise approved by the Board. | MAXIMUM FUEL
ON SITE |
| 55. Within ten days of the establishment of any fuel cache, the Permittee shall report the location and quantity of the cache in writing to the Board and an Inspector. | REPORT FUEL
LOCATION AND
QUANTITY |
| 56. The Permittee shall seal all outlets of Fuel Storage Containers and store the containers on their sides with the outlets located at 3 and 9 o'clock, except for containers currently in use. | SEAL OUTLET |
| 57. The Permittee shall comply with the Spill Contingency Plan , once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations, technology, chemicals, or fuels, or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval. | SPILL
CONTINGENCY
PLAN |
| 58. Prior to commencement of the land-use operation the Permittee shall ensure that spill-response equipment is in place to respond to any potential spills. | SPILL RESPONSE |
| 59. All equipment that may be parked for two hours or more, shall have a haz-mat/drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately. | DRIP TRAYS |
| 60. The Permittee shall clean up all leaks, spills, and contaminated material immediately | CLEAN UP SPILLS |

61. During the period of this Permit, if a spill occurs or is foreseeable, the Permittee shall:
- REPORT SPILLS**
- a) implement the approved Spill Contingency Plan;
 - b) report it-immediately using the NU-NT Spill Report Form by one of the following methods:
 - Telephone: (867) 920-8130
 - Fax: (867) 873-6924
 - E-mail: spills@gov.nt.ca
 - [Online: Spill Reporting and Tracking Database](#)
 - c) within 24 hours, notify the Board and an Inspector; and
 - d) within 30 days of initially reporting the incident, submit a detailed report to the Board and an Inspector, including descriptions of causes, response actions, and any changes to procedures to prevent similar occurrences in the future. Any updates to this report shall be provided to the Board and an Inspector in writing as changes occur.

26(1)(n) Methods and Techniques for Debris and Brush Disposal

62. The Permittee shall not clear areas larger than identified in the complete application.
- MINIMIZE AREA CLEARED**

26(1)(o) Restoration of the Lands

63. All outstanding liabilities and obligations of the Permittee in relation to work performed or required to be performed under Land Use **Permit S12A-001** are fully incorporated into and subsumed under this Permit, and the Permittee must therefore complete the restoration and other obligations set out in or incurred under **Permit S12A-001**, as well as such further obligations as may be set out in or incurred under this Permit.
- TRANSFER OF LIABILITIES**

64. Prior to the end of the land-use operation, the Permittee shall complete all cleanup and restoration of the lands used.
- FINAL CLEANUP AND RESTORATION**

65. Prior to the end of the land-use operation, the Permittee shall prepare the site in such a manner as to facilitate natural revegetation.
- NATURAL VEGETATION**

66. The Permittee shall initiate active revegetation of areas with less than 70% native vegetation regrowth following post-reclamation monitoring.
- ACTIVE REVEGETATION – RESEEDING**

67. Prior to the end of the land-use operation, the Permittee shall restore any trails impacted by the land-use operation by removing fallen trees and any other obstructions from the trails.
- TRAILS RESTORATION**

26(1)(p) Display of Permits and Permit Numbers

68. The Permittee shall display a copy of this Permit in each campsite established to carry out this land-use operation. **DISPLAY PERMIT**

26(1)(q) Biological and Physical Protection of the Land

69. The Permittee shall not move any equipment or commence any drilling when one or more caribou are within 100 - 500 metres. **CARIBOU DISTURBANCE**

70. If nesting areas are encountered during the course of operations, the Permittee shall minimize all activity so as to not disturb them. **MIGRATORY BIRD NEST DISTURBANCE**

71. If any plan is not approved by the Board, the Permittee shall revise the plan according to the Board's direction and re-submit it to the Board for approval. **RESUBMIT PLAN**

72. The Permittee shall comply with the **Engagement Plan**, once approved, and shall annually review the plan and make any necessary revisions to reflect changes in operations or as directed by the Board. Revisions to the plan shall be submitted to the Board for approval. **ENGAGEMENT PLAN**

73. All revised plans submitted to the Board shall include a brief summary of the changes made to the plan. **SUMMARY OF CHANGES**

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