



Yamoga Building, Old Airport Road
PO Box 1, Fort Good Hope NT X0E 0H0

Tel: 867-598-2413 Fax: 867-598-2325
www.slwb.com

**Déłjñę Got'ine Government
Land Use Permit S24X-001**

Pursuant to the *Mackenzie Valley Resource Management Act* and Mackenzie Valley Land Use Regulations, the Sahtu Land and Water Board grants this Land Use Permit to:

Déłjñę Got'ine Government

(Permittee)

of PO Box 180, Déłjñę, NT X0E 0V0

(Mailing Address)

hereinafter called the Permittee, to proceed with the following land-use operation, subject to the annexed definitions and conditions contained therein:

Location:	Geotechnical Drilling Program at the New Solid Waste Disposal Facility, Déłjñę, NT
Purpose:	The Déłjñę Got'ine Government (DGG) has retained Stantec Architecture Ltd. (Stantec) to undertake a geotechnical drilling program, as required by the SLWB in their letter dated October 5, 2023, to support renewal of the DGG's Class B Municipal Water Licence S18L3-001 for the new Solid Waste Disposal Facility (SWDF).

	The associated geotechnical investigation involves the drilling of five boreholes around the perimeter of the new SWDF for the purpose of obtaining information regarding site specific geology and hydrology and for the purpose of installing groundwater monitoring wells around the new SWDF. The geotechnical investigation is anticipated to occur between February 15 and March 30, 2024.
Type:	Type A
Effective Date:	March 23, 2024
Expiry Date:	March 22, 2026



Valerie Gordon, Chair
Sahtu Land and Water Board



Fatima Youssef, Witness

Conditions Annexed to and Forming Part of Land Use Permit #S24X-001

Part A: Scope of Permit

1. This Permit entitles the Permittee to conduct the following land-use operation:
 - a) Geotechnical borehole drilling and test pitting within in the Déline district, at locations specified in the application;
 - b) Use of equipment;
 - c) Clearing of land for gaining access to proposed activities.
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, or Municipal laws.

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

Act - the *Mackenzie Valley Resource Management Act*.

Archaeological Impact Assessment - archaeological research as defined by the Prince of Wales Northern Heritage Centre *Guidelines for Developers for the Protection of Archaeological Sites in the Northwest Territories*.

Archaeological Overview - a study of archaeological sites as defined by the Prince of Wales Northern Heritage Centre *Guidelines for Developers for the Protection of Archaeological Sites in the Northwest Territories*.

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

Borehole - a hole that is made in the surface of the ground by drilling or boring.

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.

Drilling Fluid - any liquid mixture of water, sediment, drilling muds, chemical additives or other wastes that are pumped down hole while drilling and are specifically related to drilling activity.

Drilling Waste - all materials or chemicals, solid or liquid, associated with drilling, including drill cuttings and Drilling Fluids.

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.

Flowing Artesian Well - a well in which water:

- a) Naturally rises above the ground surface or the top of any casing; and
- b) Flows naturally, either intermittently or continuously.

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.

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.

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.

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.

Sump - a human-made pit or natural depression in the earth's surface used for the purpose of depositing Waste that does not contain Toxic Material, such as non-toxic Drilling Waste or Sewage, therein.

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

- | | |
|--|-------------------------------------|
| 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 300 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. Prior to the commencement of drilling, the Permittee shall submit the target areas and final drill hole locations on a 1:50,000-scale map with coordinates and map datum to the Board and an Inspector. | DRILL LOCATIONS |
| 4. The Permittee shall not conduct a drilling operation or construct an adit or drill site within 100 metres of the Ordinary High-Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | DRILLING/ADIT SETBACK |
| 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. Prior to the commencement of the land-use operation, the Permittee shall mark each corner of the land-use area. | MARK AREA |
| 8. The Permittee shall maintain the corner markings until the area is reclaimed. | CORNER POSTS |

26(1)(b) Time

- | | |
|--|-----------------------|
| 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; andc) all methods for contacting the above person(s). | IDENTIFY AGENT |
|--|-----------------------|

10. At least ten days prior to the completion of the land-use operation, the Permittee shall advise an Inspector of:
- REPORTS BEFORE FINAL REMOVAL**

- 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.

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

11. 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

12. The Permittee shall Dogleg lines, trails and right-of-ways that approach Watercourses or public roads.
- DOGLEG APPROACHES**

13. 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**

14. Immediately upon completion of operations at each Borehole, the Permittee shall remove or cut off drill casings.
- MINERAL EXPLORATION DRILL CASINGS**

15. Backfill monitoring wells with sand pack and hydrated bentonite chips or grout, for adequate seal.
- BACKFILL**

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

16. 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

- | | |
|--|--|
| 17. The Permittee shall insulate the ground surface beneath all structures associated with this land-use operation to prevent: | PERMAFROST
PROTECTION |
| a) any vegetation present from being removed; | |
| b) the melting of Permafrost; and | |
| c) the ground settling and/or eroding. | |
| 18. The land-use operation shall not cause obstruction to any natural drainage. | NATURAL DRAINAGE |
| 19. The Permittee shall, where flowing water from a Borehole is encountered: a) plug the Borehole in such a manner as to permanently prevent any further outflow of water; and b) immediately report the occurrence to the Board and an Inspector. | FLOWING ARTERIAN
WELL |
| 20. The Permittee shall apply appropriate mitigation at the first sign of erosion. | REPAIR
EROSION |
| 21. The Permittee shall only conduct off-road vehicle travel on snow-covered surfaces. | OFF-ROAD VEHICLE
TRAVEL |
| 22. The Permittee shall suspend overland travel of equipment or vehicles at the first sign of rutting or gouging. | SUSPEND
OVERLAND TRAVEL |
| 23. 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. | VEHICLE
MOVEMENT FREEZE-
UP |
| 24. The Permittee shall minimize approach grades on all Watercourse crossings. | MINIMIZE
APPROACH |

26(1)(g) Use, Storage, Handling, and Ultimate Disposal of Any Chemical or Toxic Material

- | | |
|--|--|
| 25. When drilling within 100 metres of the Ordinary High-Water Mark of any Watercourse, and when drilling on ice, the Permittee shall contain all drill water and Drilling Waste in a closed circuit system for reuse, off-site disposal, or deposit into a land-based Sump or natural depression. | DRILLING NEAR
WATER OR ON ICE |
| 26. The Permittee may deposit Drilling Waste that does not contain Toxic Material in a Sump. Any Sumps or natural depressions used to deposit Drilling Waste must be located at least 100 metres from the Ordinary High-Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | DRILLING WASTE |

- | | |
|--|---------------------------------------|
| 27. The Permittee shall remove all Drilling Waste containing Toxic Material to an approved disposal facility. | DRILLING WASTE
DISPOSAL |
| 28. The Permittee shall not allow any Drilling Waste to spread to the surrounding lands or Watercourses. | DRILLING WASTE
CONTAINMENT |
| 29. The Permittee shall dispose of all Toxic Material as described in the approved Waste Management Plan. | WASTE CHEMICAL
DISPOSAL |
| 30. The Permittee shall dispose of all combustible Waste petroleum products by removal to an approved disposal facility. | WASTE PETROLEUM
DISPOSAL |

26(1)(h) Wildlife and Fish Habitat

- | | |
|---|-----------------------|
| 31. The Permittee shall take all reasonable measures to prevent damage to wildlife and fish Habitat during this land-use operation. | HABITAT DAMAGE |
|---|-----------------------|

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

- | | |
|--|------------------------------|
| 32. 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 |
| 33. The Permittee shall keep all garbage and debris in a secure container until disposal. | GARBAGE
CONTAINER |

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

- | | |
|---|--|
| 34. The Permittee shall not knowingly remove, disturb, or displace any archaeological specimen or site. | SITE DISTURBANCE |
| 35. The Permittee shall, where a suspected archaeological or historical site, or burial ground is discovered: <ul style="list-style-type: none"> a) immediately suspend operations on the site; and b) notify the Board at (867) 768-2503 or an Inspector at (867) 587-7206, and the Prince of Wales Northern Heritage Centre at 767-9347 ext. 71250 or ext. 71251. | SITE DISCOVERY
AND NOTIFICATION |

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

36. The Permittee shall not conduct any activity within Great Bear Lake (GBL). **BUFFER / NO ACTIVITY**

26(1)(l) Security Deposit

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

26(1)(m) Fuel Storage

38. The Permittee shall: **REPAIR LEAKS**
- a) examine all Fuel Storage Containers and Tank for leaks; and
 - b) repair all leaks immediately.
39. 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**
40. The Permittee shall not allow petroleum products to spread to surrounding lands or Watercourses. **FUEL CONTAINMENT**
41. 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**
42. 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**
43. 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**
44. All equipment that may be parked for two hours or more, shall have a hazmat/drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately. **DRIP TRAYS**

- | | |
|--|------------------------|
| 45. The Permittee shall clean up all leaks, spills, and contaminated material immediately | CLEAN UP SPILLS |
| 46. During the period of this Permit, if a spill occurs or is foreseeable, the Permittee shall: | REPORT SPILLS |
| <ul style="list-style-type: none"> a) implement the approved Spill Contingency Plan; b) report it-immediately using the NU-NT Spill Report Form by one of the following methods: <ul style="list-style-type: none"> • Telephone: (867) 920-8130 • Fax: (867) 873-6924 • E-mail: spills@gov.nt.ca • <u>Online: Spill Reporting and Tracking Database</u> 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

- | | |
|--|--------------------------------|
| 47. The Permittee shall not clear any vegetation. | NO CLEARING |
| 48. The Permittee shall clear by hand all trees and brush a minimum distance of <u>10</u> metres from the top edge of all stream banks and top edge of slopes. | CLEARING SENSITIVE AREA |

26(1)(o) Restoration of the Lands

- | | |
|--|------------------------------------|
| 49. The Permittee shall dispose of all overburden as approved by the Board, or as otherwise authorized in writing by an Inspector. | DISPOSAL OF OVERBURDEN |
| 50. The Permittee shall save the organic soil stripped from the land use area and shall use the organic soil for reclamation as approved by the Board, or otherwise authorized in writing by an Inspector. | SAVE AND PLACE ORGANIC SOIL |
| 51. 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 |

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

- | | |
|--|-----------------------|
| 52. The Permittee shall display a copy of this Permit in each campsite established to carry out this land-use operation. | DISPLAY PERMIT |
| 53. The Permittee shall keep a copy of this Permit on hand at all times during this land-use operation. | COPY OF PERMIT |

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

- | | |
|---|--|
| 54. 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 |
| 55. 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 |
| 56. 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 |
| 57. All revised plans submitted to the Board shall include a brief summary of the changes made to the plan. | SUMMARY OF
CHANGES |