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August 17, 2020

File: **G20S002**

Government of the Northwest Territories  
Department of Infrastructure  
Attention Kevin Dragon  
PO Box 1320 , 5015 49th Street  
Yellowknife, NT X1A 2L9

**Sent via email**

**Re: Issuance of Type "A" Land Use Permit G20S002  
(Geotechnical drilling – Inuvik Airport Runway)**

Mr. Dragon,

The Gwich'in Land and Water Board (GLWB) met on August 6, 2020 to consider the application from Government of the Northwest Territories Department of Infrastructure (GNWT INF) for Land Use Permit G20S002 for geotechnical drilling at the Inuvik Airport in accordance with the *Mackenzie Valley Resource Management Act* (MVRMA).

Land Use Permit G20S002 has been approved for a term of five years effective August 17, 2020 and expiring August 16, 2025 and is supported by the Board's Reasons for Decision (attached). Copies of the Land Use Permit, all inspection reports and correspondence related thereto, will be filed to the GLWB Online Public Registry, as per the Mackenzie Valley Resource Management Act. This is intended to keep all interested parties informed of the manner in which the Land Use Permit requirements are being met.

Full cooperation with the terms and conditions of this land use permit is anticipated and appreciated, should you have any questions please not hesitate to contact AlecSandra Macdonald by phone or email.

Sincerely,

Elizabeth Wright,  
Chair, Gwich'in land and Water Board

Copied to: GLWB Distribution list



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## LAND USE PERMIT

Permit Class	Permit No	Amendment No
A	G20S002	-

Subject to the Mackenzie Valley Resource Management Act, the Mackenzie Valley Land Use Regulations and the terms and conditions in this Permit, authority is hereby granted to:

Government of Northwest Territories Department of Infrastructure

(Permittee)

to proceed with the land use operation described in application of:

Signature Ken Dragon	Date June 17 , 2020
Type of Land Use Operation Geotechnical Drilling	
Location Inuvik Airport ( 68.30411, -133.4561)	

This permit may be assigned, extended, discontinued, suspended or cancelled pursuant to the Mackenzie Valley Land Use Regulations.

Dated at Inuvik this 17 day of August , 2020

  
Witness - Leonard DeBastien

  
Chair - Elizabeth Wright

Commencement Date

Expiry Date

August 17, 2020

August 26, 2025

**Note:** It is a condition of this Permit that the Permittee comply with the provisions of the *Mackenzie Valley Resource Management Act* and Regulations and the terms and conditions set out herein. A failure to comply may result in suspension or cancellation of this Permit.

## Conditions Annexed to and Forming Part of Land Use Permit # G20S002

### Part A: Scope of Permit

1. This Permit entitles the Permittee to conduct the following land-use operations:
  - a) Use of earth-drilling machinery for the purpose of geotechnical investigation at Inuvik Airport
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 or Municipal laws.

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

**Act** - the *Mackenzie Valley Resource Management Act*.

**Board** – the Gwich'in 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.

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

**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.

**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.

**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.

**Spill Contingency Plan** - a document, developed in accordance with Aboriginal Affairs and Northern Development Canada's *Guidelines for Spill Contingency Planning* (April 2007), that describes the set of procedures to be implemented to minimize the effects of a spill.

**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** - as defined in section 51 of the Act.

**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 not conduct this land-use operation on any lands not designated in the complete application.  | <b>LOCATION OF ACTIVITIES</b>   |
| 2. | The Permittee shall not conduct any part of the land-use operation within 150 metres of any privately owned or leased land or structures, including cabins used for traditional activities, unless otherwise approved by the Board. | <b>PRIVATE PROPERTY SETBACK</b> |
| 3. | The Permittee shall, within 90 days of completion of drilling, submit the final drill locations on a 1:50,000-scale map with coordinates and map datum to the Board and an Inspector.   | <b>DRILL LOCATIONS</b>          |

**26(1)(b) Time**

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|----|---|---|
| 4. | 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) 777-8900.  | <b>INITIAL NOTIFICATION – CONTACT INSPECTOR</b> |
| 5. | 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:<br>a) the name(s) of the person(s) in charge of the field operation;<br>b) alternates; and<br>c) all methods for contacting the above person(s). | <b>IDENTIFY AGENT</b>                           |
| 6. | At least ten days prior to the completion of the land-use operation, the Permittee shall advise an Inspector of:<br>a) the plan for removal or storage of equipment and materials;<br>b) when final cleanup and reclamation of the land used will be completed; and<br>c) when the Final Plan will be submitted.      | <b>REPORTS BEFORE FINAL REMOVAL</b>             |
| 7. | The Permittee shall complete all clean up and restoration of the lands used prior to the expiration date of this Land Use Permit.   | <b>CLEAN-UP</b>                                 |

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

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| 8. | The Permittee shall only use equipment of a similar type, size, and number to that listed in the complete application. | <b>USE APPROVED EQUIPMENT</b> |
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**26(1)(d) Methods and Techniques**

*Intentionally left blank*

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

9. 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**

10. The land-use operation shall not cause obstruction to any natural drainage. **NATURAL DRAINAGE**
11. The Permittee shall, where flowing water from a Borehole is encountered: **FLOWING ARTESIAN WELL**
- 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.
12. The Permittee shall apply appropriate mitigation at the first sign of erosion. **REPAIR EROSION**

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

13. The Permittee shall not, in any circumstances, deposit or allow the deposit of any deleterious substances (including but not limited to fuels, lubricants, hydraulics, and coolants) of any type into any waters, or in any place under any conditions where the deleterious substances may enter any waters. **DEPOSITING DELETERIOUS SUBSTANCES**
14. The Permittee shall not allow any Drilling Waste to spread to the surrounding lands or Watercourses. **DRILLING WASTE CONTAINMENT**
15. The Permittee shall remove all Drilling Waste containing Toxic Material to an approved disposal facility. **DRILLING WASTE DISPOSAL**

**26(1)(h) Wildlife and Fish Habitat**

16. 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**

17. 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**

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|-----|--|--|
| 18. | Prior to disturbance in areas of high potential for archaeological or burial sites identified in the Archaeological Overview, the Permittee shall conduct an Archaeological Impact Assessment of the sites where disturbance is planned and shall submit a summary report to the Board and the Prince of Wales Northern Heritage Centre. | <b>AIA – HIGH<br/>POTENTIAL</b>            |
| 19. | The Permittee shall not operate any vehicle or equipment within 30 metres of a known or suspected historical or archaeological site or burial ground.  | <b>ARCHAEOLOGICAL<br/>BUFFER</b>           |
| 20. | The Permittee shall not knowingly remove, disturb, or displace any archaeological specimen or site.  | <b>SITE DISTURBANCE</b>                    |
| 21. | The Permittee shall, where a suspected archaeological or historical site, or burial ground is discovered:<br><br>a) immediately suspend operations on the site; and<br>b) notify the Board at (867) 777-4954 or an Inspector at (867) 777- 8900 and the Prince of Wales Northern Heritage Centre at 767-9347 ext. 71250 or ext. 71251.   | <b>SITE DISCOVERY AND<br/>NOTIFICATION</b> |

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

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|-----|---|------------------------|
| 22. | The Permittee shall take all reasonable precautions to avoid impacts to traditional harvest activities. | <b>TRADITIONAL USE</b> |
|-----|---|------------------------|

**26(1)(l) Security Deposit**

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| 23. | All costs to remediate the area under this Permit are the responsibility of the Permittee. | <b>RESPONSIBILITY FOR<br/>REMEDICATION<br/>COSTS</b> |
|-----|--|--|

**26(1)(m) Fuel Storage**

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|-----|--|---------------------------------|
| 24. | The Permittee shall:<br><br>a) examine all Fuel Storage Containers and Tank for leaks; and<br>b) repair all leaks immediately.   | <b>REPAIR LEAKS</b>             |
| 25. | The Permittee shall not allow petroleum products to spread to surrounding lands or Watercourses.   | <b>FUEL CONTAINMENT</b>         |
| 26. | The Permittee shall not place any Fuel Storage Containers or Tanks within 100 metres of the Ordinary High Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | <b>FUEL STORAGE<br/>SETBACK</b> |

- |  |  |   |
|--|--|---|
| 27.  | The Permittee shall set up all refueling points with Secondary Containment.  | <b>SECONDARY<br/>CONTAINMENT –<br/>REFUELING<br/>DRIP TRAYS</b> |
| 28.  | All equipment that may be parked for two hours or more, shall have a drip tray under it or be sufficiently diapered. Leaky equipment shall be repaired immediately.  |   |
| 29.  | The Permittee shall adhere to the <b>Spill Contingency Plan</b> , 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.   | <b>SPILL CONTINGENCY<br/>PLAN</b>                               |
| 30.  | 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.   | <b>SPILL RESPONSE</b>   |
| 31.  | The Permittee shall clean up all leaks, spills, and contaminated material.   | <b>CLEAN UP SPILLS</b>  |
| 32.  | <p>During the period of this Permit, if a spill occurs or is foreseeable, the Permittee shall:</p> <p>a) implement the approved Spill Contingency Plan;</p> <p>b) report it immediately using the NU-NT Spill Report Form by one of the following methods:</p> <ul style="list-style-type: none"> <li>• Telephone: (867) 920-8130</li> <li>• Fax: (867) 873-6924</li> <li>• E-mail: spills@gov.nt.ca</li> <li>• Online: Spill Reporting and Tracking Database</li> </ul> <p>c) within 24 hours, notify the Board and an Inspector; and</p> <p>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.</p> | <b>REPORT SPILLS</b>  |
| <b>26(1)(n) Methods and Techniques for Debris and Brush Disposal</b> |  |   |
| 33.  | The Permittee shall not clear areas larger than identified in the accepted application.  | <b>MINIMIZE AREA<br/>CLEARED</b>                                |
| <b>26(1)(o) Restoration of the Lands</b>                             |  |   |
| 34.  | The Permittee shall carry out progressive reclamation of disturbed areas as soon as it is practical to do so.  | <b>PROGRESSIVE<br/>RECLAMATION</b>                              |
| 35.  | Prior to the expiry date of this Permit, the Permittee shall complete all cleanup and restoration of the lands used.   | <b>FINAL CLEANUP AND<br/>RESTORATION</b>                        |



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

36. 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**

37. The Permittee shall not move any equipment or commence any drilling when one or more caribou are within five hundred (500) metres. **CARIBOU  
DISTURBANCE**
38. 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**



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### Reason for Decision

Issued pursuant to paragraph 40(2)(c) of the *Mackenzie Valley Land Use Regulations* (MVLUR)

File Number:	G20S002	Type:	"A" Land Use Permit
Applicant:	Government of the Northwest Territories Department of Infrastructure (GNWT INF)		
Activity:	Geotechnical Drilling – Inuvik Airport and adjacent quarries		
Board Meeting:	August 6, 2020		

With respect to this application, notice was given in accordance with sections 63 and 64 of the *Mackenzie Valley Resource Management Act (MVRMA)*. There was no public hearing held in association with this application.

### BACKGROUND

On June 17 2020 Government of the Northwest Territories Department of Infrastructure (GNWT INF) submitted an application for a Type "A" Land Use Permit for the purpose geotechnical drilling at the Inuvik Airport runway and adjacent quarries. The applicant requests a term of 5 years, with a proposed start date in 2020. Board staff completed a conformity check of the documents submitted with the application and deemed it complete on June 23, 2020. The application was distributed for comment and review on June 24, 2020, with reviewer comments due July 15, 2020. Submissions were received from the Gwich'in Tribal Council Department of Cultural Heritage will (GTC DCH), GNWT Prince of Wales Northern Heritage Centre (PWNHC) and the Gwich'in Renewable Resources Board.

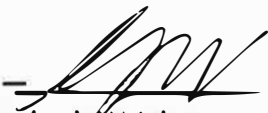
### DECISION

After reviewing the submission of the Applicant and the written comments and submissions received by the Board, and having due regard to the facts and circumstances, the merits of the submissions made to it, and to the purpose, scope, and intent of the MVRMA and the Regulations made thereunder, the Board has determined that: Land Use Permit G20S002 be issued, subject to the terms and conditions contained therein.

## REASONS

- The Board is satisfied that adequate consultation has been conducted and that advice has been sought and considered in accordance with sections 63 and 64 of the MVRMA.
- No significant or unmitigable public concern was made known to the Board.
- The use of land proposed by the Applicant is of a nature contemplated by the MVRMA.
- Any potential adverse environmental effects are insignificant or mitigable with known technology.
- The operation will likely contribute to the socio-economic well-being and economic development of the region.
- It is the opinion of the Board that the terms and conditions attached to G20S002, pursuant to the MVRMA, will significantly reduce the potential environmental impacts resulting from the project. The Draft Permit was updated to reflect recommendations during the public review as follows:
  - The setback distance for known archaeological resources in Condition 18 was reduced from 150 meters to 30 meters, as recommended by the Prince of Wales Northern Heritage Centre
  - Condition # 19 was added to include an archaeological impact assessment for high potential areas, as recommended by both the GTC DCH and PWNHC.
- The Board has notified the Applicant, through a statement included in the scope of this Permit, that compliance with the terms and conditions of this Permit does not absolve the Permittee from responsibility for compliance with the requirements of any other legislation

## SIGNATURE



Elizabeth Wright,  
Chair, Gwich'in Land and Water Board

**Aug 6, 2020**

Date