



Gwich'in Land and Water Board  
 Box 2018 Inuvik NT X0E 0T0  
 PH (867) 777-7960 FX (867) 777-7970  
 www.glwb.com

## LAND USE PERMIT

Permit Class: A

Permit No: G05S007

Subject to the Mackenzie Valley Land Use Regulations and the terms and conditions of this permit, authority is hereby granted to:

**GNWT Department of Transportation**

PERMITTEE

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

Signature: **Arvind Vashishtha**

Date: **September 12, 2005**

Type of Land Use Operation: **Soil Testing (Geotechnical)**

Location: **Lat. 67.205 & Lon. -135.619, KM 34 Dempster Highway**

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

Dated at **Inuvik, NT**

Chair

This **11th**

Day of, **October 2005**

Commencement Date **October 11, 2005**

Expiry Date **September 30, 2006**

### NOTE

IT IS A CONDITION OF THIS PERMIT THAT THE PERMITTEE COMPLY WITH ANY OTHER APPLICABLE ACT, REGULATION, ORDINANCE, BY-LAW OR ORDER DEFAULT HEREOF MAY RESULT IN SUSPENSION OR CANCELLATION OF THIS PERMIT.

**CONDITIONS ATTACHED TO AND FORMING PART OF LAND USE PERMIT  
NUMBER: G05S007 – Geotechnical Exploration**

**APPLICANT: Department of Transportation**

**LOCATION: KM 34 of the Dempster Highway**

**1.0 26 (1) (a) - LOCATION AND AREA OF LANDS**

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| 1.1 | The Permittee shall not conduct this land use operation on any lands not designated in the accepted application, unless otherwise authorized in writing by the BOARD.  | <b>PLANS</b>  |
| 1.2 | The Permittee shall not conduct any part of the land use operation within three hundred (300) metres of any privately owned land or structure, unless otherwise authorized in writing by the <b>BOARD</b> .  | <b>PRIVATE<br/>PROPERTY</b>                           |
| 1.3 | The Permittee shall confine the line to a maximum width of eight (8) metres unless otherwise authorized in writing by a Land Use Inspector.  | <b>OFFSET VEHICLE<br/>TRAVEL</b>                      |
| 1.4 | The Permittee shall remove from Territorial Lands, all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material.  | <b>REMOVE<br/>WASTE<br/>MATERIAL</b>                  |
| 1.5 | The Permittee shall not construct an adit or drill-site within 30 metres of the normal high water mark of a stream unless approval in writing is obtained from the Engineer.   | <b>LOCATION<br/>OF<br/>ADITS &amp;<br/>DRILLSITES</b> |
| 1.6 | The Permittee shall, where practical, locate all lines, trails and rights-of-way to be constructed parallel to streams a minimum of thirty (30) metres from any stream except at crossings unless otherwise authorized in writing by a Land Use Inspector. | <b>PARALLELING<br/>STREAMS</b>                        |
| 1.7 | The Permittee shall at all times conform to all applicable Federal, Territorial or local regulations, ordinances or bylaws, and Comprehensive land claim agreements.   | <b>CONFORM TO<br/>APPLICABLE<br/>LAWS</b>             |

**2.0 26 (1) (b) - TIMES OF THE LAND USE OPERATION**

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| 2.1 | The Permittee's Field Supervisor shall contact the DIAND LAND USE INSPECTOR, telephone number (867) 777- 3361, at least forty-eight (48) hours prior to the commencement of this land use operation.  | <b>CONTACT<br/>INSPECTOR</b>          |
| 2.2 | The Permittee shall advise a <b>LAND USE INSPECTOR</b> at least ten (10) days prior to the completion of the land use operation of (a) the Permittee's plan for removal or storage of equipment and materials, and (b) when final clean-up and restoration of the land used has been completed. | <b>REPORTS<br/>BEFORE<br/>REMOVAL</b> |

2.3	The Permittee shall commence and foster re-vegetation on all parts of the land used, as may be directed by a Land Use Inspector, within one year of the completion of the land use operation.	<b>RE-ESTABLISH VEGETATION</b>
2.4	The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of this Permit.	<b>CLEAN-UP</b>
2.3	The <b>BOARD</b> reserves the right to impose closure of any area to the Permittee in periods when dangers to natural resources are severe.	<b>CLOSURE</b>
2.4	This permit is valid only when the Permittee is in possession of a valid access authorization from the Department of Indian & Northern Affairs.	<b>EXPIRY DATE</b>

<b>3.0      26 (1) (c) - TYPE AND SIZE OF EQUIPMENT</b>
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3.1	The Permittee shall not use any equipment except of the type, size, and number that is listed in the accepted application, unless otherwise authorized in writing by a <b>LAND USE INSPECTOR</b> .	<b>ONLY APPROVED EQUIPMENT</b>
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<b>4.0      26 (1) (d) - METHODS AND TECHNIQUES</b>
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4.1	The Permittee shall plug all bore holes as the land use operation progresses.	<b>PLUG HOLES</b>
4.2	The Permittee shall refill and restore bore hole craters as the land use operation progresses.	<b>REFILL CRATERS</b>
4.3	The Permittee shall replace all excavated material from the test pits prior to the expiry of this permit.	<b>TEST PITS</b>
4.4	The Permittee shall not clear areas larger than specified in the permit.	<b>MINIMIZE AREA CLEARED</b>
4.5	The Permittee shall adhere to all mitigation measures outlined and accepted in the application.	<b>MITIGATION MEASURES</b>

<b>5.0      26 (1) (e) - TYPE, LOCATION, CAPACITY AND OPERATION OF FACILITIES</b>
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5.1	The Permittee shall ensure that the land use area is kept clean and tidy at all times.	<b>CLEAN WORK AREA</b>
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<b>6.0      26 (1) (f) - CONTROL OR PREVENTION OF FLOODING, EROSION AND SUBSIDENCE OF LAND</b>
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6.1	(a) The Permittee shall, where flowing water from bore holes is encountered, plug the bore hole in such a manner as to permanently prevent any further outflow of water.	<b>PLUG ARTESIAN WELLS</b>
	(b) The artesian occurrence shall be reported to the Board	

within forty-eight (48) hours.

6.2	The Permittee shall remove any obstruction to natural drainage caused by any part of this land use operation.	<b>NATURAL DRAINAGE</b>
6.3	The Permittee shall not construct interceptor or off-shoot drainage ditches, unless approved in writing by the Land Use Inspector.	<b>DITCHES</b>
6.4	The Permittee shall detour around all sand hills, unless otherwise authorized in writing by a Land Use Inspector.	<b>AVOID SAND HILLS</b>
6.5	The Permittee shall establish vegetation on all areas stripped of vegetation during this land use operation to a minimum of seventy (70) percent ground cover unless otherwise authorized in writing by the Board.	<b>REVEGETATE STRIPPED AREA</b>
6.6	The Permittee shall apply grass seed and fertilizer to areas designated in writing by a Land Use Inspector.	<b>REPLANT DESIGNATED AREAS</b>
6.7	The Permittee when clearing land shall:  (a) Save all vegetation removed from the land use area.  (b) Place the vegetation over the land use area prior to expiry of the land use permit.	<b>SAVE VEGETATION</b>
6.8	The Permittee shall save the organic soil stripped from the excavation area.	<b>SAVE ORGANIC SOIL</b>
6.9	The Permittee shall place the organic soil over the disturbed area prior to the expiry date of this Permit.	<b>PLACE ORGANIC SOIL</b>

<b>7.0</b>	<b>26 (1) (g) - USE, STORAGE, HANDLING AND DISPOSAL OF CHEMICAL OR TOXIC MATERIAL</b>
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7.1	The Permittee shall not use chemicals in connection with the land use operation without the prior approval of the Board.	<b>APPROVAL OF CHEMICALS</b>
7.2	The Permittee shall not use the following materials during the drilling operation without the prior written approval of the board:  chlorinated phenols (Dowicide B, etc.) compounds composed primarily of heavy metals asbestos	<b>PROHIBITED CHEMICALS</b>
7.3	The Permittee shall dispose of all combustible waste petroleum products by removal.	<b>WASTE PETROLEUM DISPOSAL</b>
7.4	The Permittee shall report all spills immediately in accordance	<b>REPORT</b>

with instructions contained in "Spill Report" form N.W.T.  
1086 (10/79). 24 hour Spill Report Line (403) 920-8130.

**CHEMICAL AND  
PETROLEUM SPILLS**

<b>8.0</b>	<b>26 (1) (h) - PROTECTION OF WILDLIFE HABITAT AND FISHERIES</b>	
8.1	The Permittee shall not unnecessarily damage wildlife habitat in conducting this land use operation.	<b>HABITAT DAMAGE</b>
8.2	The Permittee shall not obstruct the movement of fish while conducting this land use operation.	<b>FREE FISH MOVEMENT</b>
8.3	The Permittee shall not destroy or damage beaver dams.	<b>BEAVER DAMS</b>
8.4	The Permittee shall not destroy or damage muskrat lodges.	<b>MUSKRAT LODGES</b>
8.5	Your operation is in an area, where bears may be encountered. Proper food handling and garbage disposal procedures will lessen the likelihood of bears being attracted to your operation. Information about the latest bear detection and deterrent techniques can be obtained from the Department of Renewable Resources at (867) 777-7308.	<b>BEAR/MAN CONFLICT</b>
8.6	The Permittee shall not feed wildlife.	<b>NO FEEDING WILDLIFE</b>
<b>9.0</b>	<b>26 (1) (i) - STORAGE, HANDLING AND DISPOSAL OF REFUSE OR SEWAGE</b>	
9.1	The Permittee shall remove all garbage and debris from the land use area to a disposal site approved in writing by a Land Use Inspector.	<b>REMOVE GARBAGE</b>
<b>10.0</b>	<b>26 (1) (j) - PROTECTION OF HISTORICAL AND ARCHEOLOGICAL SITES AND BURIAL GROUNDS</b>	
10.1	The Permittee shall immediately cease any activity that disturbs a historical or archaeological site, encountered during the course of a land use operation; until permitted to proceed with the authorization of the Board.	<b>STOP LAND USE ACTIVITY</b>
10.2	The Permittee shall contact the Board and the PWNHC should an archaeological site or specimen be encountered or disturbed by any land use activity.	<b>CONTACTS</b>
10.3	The Permittee shall not remove, disturb or displace any archaeological specimen or site.	<b>DISTURB OR DISPLACE</b>
10.4	The Permittee shall not operate any vehicle within one hundred (100) metres of a known or suspected archaeological site.	<b>VEHICLE OPERATION</b>
<b>11.0</b>	<b>26 (1) (k) - PROTECTION OF OBJECTS AND PLACES OF RECREATIONAL, SCENIC OR ECOLOGICAL VALUE</b>	
<b>12.0</b>	<b>26 (1) (l) - POSTING OF A SECURITY</b>	

**13.0 26 (1) (m) - THE ESTABLISHMENT OF PETROLEUM STORAGE FACILITIES**

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|------|--|---|
| 13.1 | The Permittee shall not allow petroleum products to spread to surrounding lands or into water bodies.  | <b>FUEL<br/>CONTAINMENT</b>                 |
| 13.2 | The Permittee shall at all times have on site sufficient spill clean-up equipment and material in readiness to clean-up all hazardous material which may be spilled. | <b>OIL SPILL<br/>CLEAN-UP<br/>EQUIPMENT</b> |

**14.0 26 (1) (n) - METHODS AND TECHNIQUES OF DEBRIS AND BRUSH DISPOSAL**

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| 14.1 | The Permittee shall progressively complete disposal of all debris and brush.   | <b>PROGRESSIVE<br/>DISPOSAL</b>  |
| 14.2 | The Permittee shall carry out total disposal of debris and brush in all areas visible from public roads and/or navigable waterways unless otherwise authorized in writing by a Land Use Inspector. | <b>PUBLIC<br/>VIEW<br/>AREAS</b> |

**15.0 26 (1) (o) - THE RESTORATION OF LANDS**

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|------|--|---|
| 15.1 | The Permittee shall establish vegetation on all areas stripped of vegetation during this land use operation to a minimum of seventy (70) percent ground cover unless otherwise authorized in writing by the board. | <b>REVEGETATE<br/>STRIPPED<br/>AREA</b> |
| 15.2 | The Permittee shall apply grass seed, of a species native to the area, and fertilizer to areas designated in writing by a Land Use Inspector.  | <b>REPLANT<br/>DESIGNATED<br/>AREAS</b> |

**16.0 26 (1) (p) - PERMITS AND PERMIT NUMBERS**

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| 16.1 | The Permittee shall keep on hand, at all times during this land use operation, a copy of the Land Use Permit  | <b>COPY OF<br/>PERMIT</b>     |
| 16.2 | The Permittee shall provide in writing to the Board at least forty-eight (48) hours prior to commencement of this land use operation, the following information:<br><br>(a) person, or persons, in charge of the field operation to whom notices, orders, and reports may be served;<br><br>(b) alternates;<br><br>(c) all the indirect methods for contacting the above person(s). | <b>IDENTIFY<br/>AGENT</b>     |
| 16.3 | The Permittee shall ensure that a copy of this Permit, operating conditions and definitions is provided to and understood   | <b>PERMIT<br/>CONTRACTORS</b> |

by all contractors and sub-contractors prior to the start-up of this land use operation.

**& SUB-  
CONTRACTORS**

<b>17.0</b>	<b>26 (1) (q) - MATTERS NOT INCONSISTENT WITH THE REGULATIONS</b>
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17.1 The Permittee shall, while conducting the operation, make every effort to avoid covering or destroying traps or snares that may be found.

**TRAPS  
PROTECTION**