



**LAND USE PERMIT**  
**NORTHERN AFFAIRS PROGRAM**

**PERMIS D'UTILISATION DES TERRES**  
**PROGRAMME DES AFFAIRES DU NORD**

Permit Class - Permis Catégorie

**A**

Permit No - N° de permis

**N1998A0925**

Subject to the Territorial Land Use Regulations and the terms and conditions in this Permit, authority is hereby granted to:

Sous réserve du Règlement sur l'utilisation des terres territoriales et des conditions de ce permis:

**PARAMOUNT RESOURCES LTD.**

Permittee - Détenteur de permis

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

Est autorisé à entreprendre les travaux d'exploitation des terres décrits dans la demande de permis du:

Signature <b>Shirley Maaskant</b>	Date <b>October 12, 1998</b>
Type of Land Use Operation - Genre de travaux d'exploitation des terres <b>Oil and Gas (Netla P-57 Wellsite)</b>	
Location - Emplacement <b>Netla River Area,</b>	

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

Ce permis peut faire l'objet d'une cession, d'une prolongation d'une cessation d'une suspension ou d'une annulation, en vertu du Règlement sur l'utilisation des terres territoriales.

Dated at

Date à **Yellowknife**

Engineer

Ingénieur

*Edward R. Henry*

This

Ce **13th** Day of **January**, 19**99**.

Commencement Date

Date du début des travaux **January 13, 1999**

Expiry Date

Date d'achèvement **January 12, 2001**

**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.

**REMARQUE**

LE DÉTENTEUR DU PRÉSENT PERMIS DOIT SE CONFORMER À TOUT AUTRE RÈGLEMENT, LOI, DÉCRET RÈGLEMENT MUNICIPAL OU ARRÊTÉ APPLICABLE. LE MANQUEMENT À CETTE OBLIGATION POURRAIT DONNER LIEU À LA SUSPENSION OU À L'ANNULATION DU PERMIS.

CONDITIONS ANNEXED TO AND FORMING PART  
OF LAND USE PERMIT N1998A0925

31 (1) (a) - Location and Area

- |    |  |                             |
|----|--|-----------------------------|
| 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 Engineer. | PLANS                       |
| 2. | The Permittee shall remove from Territorial Lands, all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material.                    | REMOVE<br>WASTE<br>MATERIAL |
| 3. | The Permittee shall locate all camps on gravel, sand or other durable land.  | CAMP<br>LOCATION            |

31 (1) (b) - Time

- |    |  |                              |
|----|--|------------------------------|
| 4. | The Permittee's Field Supervisor shall contact or meet with a land use inspector at the Fort Simpson office of the Department of Indian Affairs and Northern Development, Phone Number (867) 695-2626, at least 48 hours prior to the commencement of this land use operation. | CONTACT<br>INSPECTOR         |
| 5. | The Permittee shall advise a land use inspector at least 5 days prior to the completion of the land use operation of (a) his plan for removal or storage of equipment and materials, and (b) when final clean-up and restoration of the lands used will be completed.          | REPORTS<br>BEFORE<br>REMOVAL |
| 6. | The Permittee shall notify a land use inspector at least 10 days prior to backfilling any sump.  | BACKFILLING<br>NOTIFICATION  |
| 7. | The Engineer for the purpose of this operation designates March 31, as spring break-up.  | SPRING<br>BREAK-UP           |

- |     |  |                             |
|-----|--|-----------------------------|
| 8.  | The Permittee shall remove all ice bridges prior to spring break-up or completion of the land use operation unless otherwise approved in writing by a Land Use Inspector.                      | REMOVE<br>ICE<br>BRIDGE     |
| 9.  | The Permittee shall remove all snow fills from stream crossings prior to spring break-up or completion of the land use operation unless otherwise approved in writing by a Land Use Inspector. | REMOVE<br>SNOW<br>FILLS     |
| 10. | The Permittee shall restore all sumps prior to spring break-up unless otherwise authorized in writing by a land use inspector.   | SUMPS<br>SPRING<br>BREAK-UP |
| 11. | The Permittee shall replant white spruce on wellsite and camp location within one year of the completion of the land use operation.  | RE-ESTABLISH<br>VEGETATION  |
| 12. | The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of this permit.   | CLEAN-UP                    |

31 (1) (c) - Equipment

- |     |  |                               |
|-----|--|-------------------------------|
| 13. | 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 land use inspector. | ONLY<br>APPROVED<br>EQUIPMENT |
| 14. | The Permittee shall burn all combustible garbage and debris in a container acceptable to a Land Use Inspector.   | INCINERATION                  |
| 15. | The Permittee shall keep all garbage and debris in a covered metal container until disposed of.  | GARBAGE<br>CONTAINERS         |

31 (1) (d) - Methods and Techniques

- |     |   |                                   |
|-----|---|-----------------------------------|
| 16. | The permittee shall dogleg lines, trails and rights-of-way that approach lakes, streams or public roads, as specified in writing by a Land Use Inspector.                                     | DOGLEG<br>APPROACHES              |
| 17. | The Permittee shall dispose of all overburden as instructed in writing by a land use inspector.   | DISPOSAL<br>OF<br>OVERBURDEN      |
| 18. | The Permittee shall slope the sides of excavations and embankments except in solid rock to a horizontal/vertical ratio of 2:1 unless otherwise authorized in writing by a land use inspector. | EXCAVATIONS<br>AND<br>EMBANKMENTS |

31 (1) (e) - Type, Location, Capacity and Operation of Facilities

- |     |   |                             |
|-----|---|-----------------------------|
| 19. | The Permittee shall maintain all drill wastes at least 1.2 metres below the lowest elevation of contiguous surrounding ground surface at all times.   | SUMPS<br>FREEBOARD          |
| 20. | The Permittee shall backfill all sumps in such a manner that drill waste is maintained below the 1.2 metre freeboard.   | BACKFILL<br>SUMPS<br>HOW    |
| 21. | The Permittee shall:<br><br>(a) Place all excavated material over the sump area.<br><br>(b) Overlap the replaced material a minimum of two (2) metres beyond the edges of the existing sump wall. | BACKFILL<br>SUMP<br>OVERLAP |

31 (1) (f) - Control or Prevention of Flooding, Erosion and Subsidence of Land

- |     |   |                     |
|-----|---|---------------------|
| 22. | The Permittee shall remove any obstruction to natural drainage caused by any part of this land use operation. | NATURAL<br>DRAINAGE |
|-----|---|---------------------|

- |   |   |   |
|---|---|---|
| 23.   | The Permittee shall not cut any stream bank unless authorized in writing by a land use inspector.   | STREAM<br>BANKS                         |
| 24.   | The Permittee shall not use any material other than water and snow in the construction of ice bridges.  | ICE<br>BRIDGE<br>MATERIAL               |
| 25.   | The Permittee shall not use the bed of streams for access routes except for the purpose of crossing the streams unless otherwise authorized by a Land Use Inspector.  | STREAM<br>BEDS<br>ACCESS                |
| 26.   | The Permittee shall construct berms and/or ditches across the right-of-way at intervals of not less than thirty (30) metres on slopes exceeding eight per cent (8%) way prior to the commencement of spring break-up or the expiry date of this permit, whichever occurs first. | EROSION<br>CONTROL<br>RIGHTS-OF-<br>WAY |
| 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.  | VEHICLES<br>MOVEMENT<br>FREEZE-UP       |
| 28.   | The Permittee shall save the organic soil stripped from the excavation area.  | SAVE<br>ORGANIC<br>SOIL                 |
| 29.   | The Permittee shall place the organic soil over the disturbed area prior to the expiry date of this permit.   | PLACE<br>ORGANIC<br>SOIL                |
| 31 (1) (g) - Use, Storage, Handling and Disposal of Chemical<br>or Toxic Material |   |   |
| 30.   | The Permittee shall deposit all sewage into a sump.   | SEWAGE<br>DISPOSAL                      |
| 31.   | The Permittee shall deposit all drill waste into a sump.  | DRILL<br>WASTE                          |

- |     |   |  |
|-----|---|--|
| 32. | The Permittee shall not allow any drilling waste to spread to the surrounding lands.  | DRILL<br>WASTE<br>CONTAINMENT                    |
| 33. | The Permittee shall burn all garbage and debris at least daily.   | GARBAGE<br>DISPOSAL                              |
| 34. | The Permittee shall remove all non-combustible garbage and debris from Territorial lands.   | REMOVE<br>GARBAGE                                |
| 35. | The Permittee shall dispose of all combustible waste petroleum products by incineration or removal.   | WASTE<br>PETROLEUM<br>DISPOSAL                   |
| 36. | The Permittee shall dispose of all fluids used to wash machinery and equipment in a sump unless otherwise authorized in writing by a land use inspector.                                      | RIG<br>WASH<br>DISPOSAL                          |
| 37. | The Permittee shall report all spills immediately in accordance with instructions contained in "Spill Report" form N.W.T. 1086(10/79). Twenty four (24) hour spill report line (403)920-8130. | REPORT<br>CHEMICAL<br>AND<br>PETROLEUM<br>SPILLS |

31 (1) (h) - Wildlife and Fisheries Habitat

- |     |   |                          |
|-----|---|--------------------------|
| 38. | The Permittee shall not obstruct the movement of fish while conducting this land use operation.   | FREE<br>FISH<br>MOVEMENT |
| 39. | The Permittee shall place the bottoms of all culverts installed in streams inhabited by fish at a level that maintains the natural contour of the stream. | CULVERT<br>INSTALLATION  |

31 (1) (j) - Security Deposit

- |     |   |                     |
|-----|---|---------------------|
| 40. | The Permittee shall deposit with the Minister a security deposit in the amount of \$25,000.00 pursuant to Section 36 of the <i>Territorial Land Use Regulations</i> . | SECURITY<br>DEPOSIT |
|-----|---|---------------------|

31 (1) (k) - Petroleum Fuel Storage

- |     |  |                            |
|-----|--|----------------------------|
| 41. | The Permittee shall not place any petroleum fuel storage containers within thirty (30) metres of the normal high water mark of any stream.                                       | FUEL<br>BY<br>STREAM       |
| 42. | The Permittee shall not allow petroleum products to spread to surrounding lands or into water bodies.  | FUEL<br>CONTAINMENT        |
| 43. | The Permittee shall have one extra fuel storage container on site equal to, or greater than, the size of the largest fuel container.   | FUEL<br>EXTRA<br>CONTAINER |
| 44. | The Permittee shall construct a dyke around each stationary fuel container or group of stationary fuel containers where any one container has a capacity exceeding 4,000 litres. | DYKE<br>FUEL<br>CONTAINERS |
| 45. | The volume of the dyked area shall be 10% greater than the capacity of the largest fuel container placed therein.  | CAPACITY                   |
| 46. | The Permittee shall ensure that the dyke and the area enclosed by the dyke shall be impermeable to petroleum products at all times.  | IMPERMEABLE<br>DYKE        |

31 (1) (l) - Debris and Brush Disposal

- |     |   |               |
|-----|---|---------------|
| 47. | The Permittee shall totally dispose of all debris and brush by burning. | BURN<br>BRUSH |
|-----|---|---------------|

31 (1) (m) - Matters Not Inconsistent with the Regulations

- |     |  |                       |
|-----|--|-----------------------|
| 48. | The Permittee shall not construct earth approaches abutted to the roadbed on any public highway or road, without prior written approval of the Engineer. | HIGHWAY<br>APPROACHES |
|-----|--|-----------------------|

49. The Permittee shall display a copy of this permit in a conspicuous place in each campsite established to carry out this land use operation. DISPLAY PERMIT
50. The Permittee shall provide in writing to the Engineer, at least forty-eight (48) hours prior to commencement of this land use operation, the following information: IDENTIFY AGENT
- (a) person, or persons, in charge of the field operation to whom notices, orders, and reports may be served;
  - (b) alternates;
  - (c) all the indirect methods for contacting the above person(s).
51. The Permittee shall submit to the Engineer a contingency plan, for chemical and petroleum spills, for use during the construction and operation of the winter road. CONTINGENCY PLAN

**1. GENERAL FILE INFORMATION ON SCREENING**

File Number: N1998A0925  
FEAI I.D. Reference #:   
Project Title: N1998A0925 - Paramount Resources Ltd. - Oil and Gas - Wellsite Netla P-57  
Alias Project Title: Netla P-57  
Proponent: Paramount Resources Ltd.  
Type of Proponent: Industry  
Subject Descriptors: oil and gas  
EA Type:   
EA Start Date: 1998/10/22  
Proposed Date of Activity: 1998/11/01  
EA Determination: Section 20 (1)(a)  
Determination Date: 1998/12/02  
Project Abandoned:   
Follow-up program required: No  
Est. Follow-up prog. end date: No

**2. RESPONSIBLE AUTHORITY (RA) IDENTIFICATION**

Lead RA and Screening Div.: South Mackenzie District  
Lead RA Contact: Ed Hornby 669-2766  
NAP District: South Mackenzie District / Fort Simpson Sub District  
Lead RA Trigger Types: 0470 Law List  
Type of Application: land use permit  
Type of Approval being sought: new  
Present licence/permit/lease #:   
Other RAs or Screening Div.:   
Other RA Trigger Types:   
Other RA Types of Approval:   
Project File Location: South Mackenzie District

**3. PROJECT LOCATION**

Region: Northwest Territories  
Topographic Map Sheet Number: 95B/15  
Geographic Place Name: Netla River  
Latitude: 61° 47' 51" N Longitude: 123° 39' 25" W  
Drainage Region:   
Watershed: Netla River  
Street Name:   
Nearest Community: Fort Liard  
Surrounding Land Status: crown  
Special Designation: none

#### 4. PROJECT DESCRIPTION

**Physical Work Being Assessed:** Access Trail / Campsite / Wellsite  
**Multiple Activities:** Yes  
**Physical Act. from Inclusion List:** Northern Project  
**Project Category Code:** Point  
**Phase of Prj./Prim. Undertaking:** operation

**Project Description:**

Preparation of access road and wellsite for drilling. The access will utilize existing seismic lines as much as possible. After drilling, the well will be completed and production tested.

**Sources Used:**

review agencies data  
personal information  
historical maps  
contour maps

#### 5. DESCRIPTION OF ENVIRONMENT

**Ecozone:** taiga plains

**Description of Biophysical Environment:**

Project is located in the Liard Valley which falls within the Taiga Plains Ecozone. Rolling hills, black spruce, riparian areas, small lakes and shallow intermittent streams.

**Description of Socio-economic and Cultural Environment:**

Past seismic activity, close to community, hunting and fishing cabins.

**Past and Current Land Use Activities in the Area:**

Running Maps (current permits and licences)  
Interference Maps (other land dispositions)  
Historical Maps (expired permits and licences)

**6. CONSULTATION/REFERRAL OF APPLICATION**

Was public consultation deemed appropriate: Yes  
 Date application referred to gov. depts: 1998/10/22  
 Date application referred to public: 1998/10/22  
 Deadline date for public comments: 1998/11/20  
 Referral sent to: Metis Association  
 Contact Person:  
 Date comments received:

Referral sent to: DIAND - Water  
 Contact Person:  
 Date comments received:

Referral sent to: DOE  
 Contact Person:  
 Date comments received: 1998/11/24

Referral sent to: DIAND - Minerals  
 Contact Person:  
 Date comments received: 1998/11/05

Referral sent to: DIAND - Lands  
 Contact Person:  
 Date comments received:

Referral sent to: DIAND - R.M.O.  
 Contact Person:  
 Date comments received: 1998/10/29

Referral sent to: GNWT - Transport  
 Contact Person:  
 Date comments received: 1998/11/23

Referral sent to: DFO  
 Contact Person:  
 Date comments received: 1998/11/23

Referral sent to: GNWT - RWED  
 Contact Person:  
 Date comments received:

Referral sent to: Hamlet of Fort Liard  
 Contact Person:  
 Date comments received:

Referral sent to: Dene Nation  
 Contact Person:  
 Date comments received:

Referral sent to: NEB  
 Contact Person:  
 Date comments received: 1998/11/09

Referral sent to: NOGD  
 Contact Person:  
 Date comments received:

Referral sent to: Liard Metis Association  
 Contact Person:  
 Date comments received:

Referral sent to:	Dch Cho First Nation
Contact Person:	
Date comments received:	
Referral sent to:	GNWT - RWED - Fort Liard
Contact Person:	
Date comments received:	
Referral sent to:	Nahanni Butte Band Council
Contact Person:	
Date comments received:	
Referral sent to:	Acho Dene Koe
Contact Person:	
Date comments received:	
Referral sent to:	GNWT - DOT - Fort Liard
Contact Person:	
Date comments received:	
Referral sent to:	GNWT - PWNHC
Contact Person:	
Date comments received:	

## 7. IDENTIFICATION OF PROJECT COMPONENTS AND ENVIRONMENTAL EFFECTS

### 7a. PROJECT COMPONENTS:

vehicle movement 1  
 vegetation removal 1  
 topsoil, overburden or soil - storage 1  
 topsoil, overburden or soil - removal 1  
 stream crossing/bridging 1  
 site restoration - planting/seeding 1  
 oil/gas exploration/extraction 1  
 garbage - disposal of sewage 1  
 fuel storage 1  
 excavation 1  
 drilling other than geoscientific 1  
 burying 1  
 burning 1  
 access road construction 1

Accidents or malfunctions:

Effects of environment on project

### 7b. PROJECT EFFECTS:

alters community economics affecting - employment 9  
 alters community economics affecting - regional economic activity 11  
 alters permafrost regime affecting - permafrost/ground ice 22  
 alters soil/surface material affecting - permafrost/ground ice 22  
 alters vegetation community affecting - terrestrial ecosystem 32  
 generates noise affecting - ambient noise level 8  
 increases disturbance levels affecting - traditional land use/area 21  
 releases pollutants into air contaminating - local air quality 12  
 risks human health/safety affecting - traditional resource users 12

## **8. IDENTIFICATION OF OTHER RESOURCE USES AND THEIR ENVIRONMENTAL EFFECTS**

### **OTHER RESOURCE USES:**

- forestry - domestic
- forestry - commercial
- hunting/subsistence
- other private lands held under tenure
- other water licenses, permits, leases
- quarries
- solid waste disposal
- transportation/communications - roads/trails
- trapping

### **EFFECTS FROM OTHER RESOURCE USES:**

- change in air quality
- change in ambient noise levels
- deposit into surface water
- destabilization/erosion
- impact to birds
- impact to community health
- impact to First Nation traditional use
- impact to industry
- impact to large mammals
- impact to small mammals
- impact to traditional use area
- impacts to trappers
- soil compaction

## **9. CUMULATIVE ENVIRONMENTAL EFFECTS**

**10. MITIGATION MEASURES AND TERMS AND CONDITIONS****10a. Mitigation Measures:****Effect**

alters permafrost regime affecting - permafrost/ground ice 22

**Description of Mitigation Measure(s)**

Permafrost

Buried material will be capped and permafrost will re-invade.

Burning will not effect permafrost.

Stream crossing will not effect stream banks.

Drill will be operated only on soil pad , insulating permafrost.

**Effect**

alters soil/surface material affecting - permafrost/ground ice 22

**Description of Mitigation Measure(s)**

soil/surface material

Frost will quickly re-invade capped site.

**Effect**

generates noise affecting - ambient noise level 8

**Description of Mitigation Measure(s)**

Noise

Noise will be sporadic, medium intensity and short-term.

Drilling noise is short-term (weeks).

Stream crossings will be Bailey Bridges or snow fills.

**Effect**

increases disturbance levels affecting - traditional land use/area 21

**Description of Mitigation Measure(s)**

Disturbance

Excavated area will re-vegetate and return to usable land base in just a few years.

Garbage will be confined to a small site for a short time.

Stream crossing will not effect aquatic resources.

**10b. TERMS AND CONDITIONS:****1.01-PLANS**

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 Engineer.

**1.07-REMOVE WASTE MATERIAL**

The Permittee shall remove from Territorial Lands, all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material.

**1.10-CAMP LOCATION**

The Permittee shall use existing campsite

**2.02-REPORTS BEFORE REMOVAL**

The Permittee shall advise a Land Use Inspector at least 10 days prior to the completion of the land use operation of (a) his plan for removal or storage of equipment and materials, and (b) when final clean-up and restoration of the lands used will be completed.

**2.01-CONTACT INSPECTOR**

The Permittee's Field Supervisor shall contact or meet with a Land Use Inspector at the \_\_\_\_\_ office of the Department of Indian Affairs and Northern Development, Phone Number (\_\_\_\_\_), at least 48 hours prior to the commencement of this land use operation.

**2.04-BACKFILLING NOTIFICATION**

The Permittee shall notify a Land Use Inspector at least 10 days prior to backfilling any sump.

**2.09-SPRING BREAK-UP**

The Engineer for the purpose of this operation designates \_\_\_\_\_, as spring break-up.

**2.10-REMOVE ICE BRIDGE**

The Permittee shall remove all ice bridges prior to spring break-up or completion of the land use operation unless otherwise approved in writing by a Land Use Inspector.

**2.11-REMOVE SNOW FILLS**

The Permittee shall remove all snow fills from stream crossings prior to spring break-up or completion of the land use operation unless otherwise approved in writing by a Land Use Inspector.

**2.12-SUMPS SPRING BREAK-UP**

The Permittee shall restore all sumps prior to spring break-up unless otherwise approved in writing by a Land Use Inspector.

**2.15-RE-ESTABLISH VEGETATION**

The Permittee shall commence and foster revegetation 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.

**2.16-CLEAN-UP**

The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of this permit.

**3.01-ONLY APPROVED EQUIPMENT**

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 the Land Use Inspector.

**3.04-INCINERATION**

The Permittee shall burn all combustible garbage and debris in a container acceptable to a Land Use Inspector.

**3.05-GARBAGE CONTAINERS**

The Permittee shall keep all garbage and debris in a covered metal container until disposed of.

**4.03-DOGLEGG APPROACHES**

The Permittee shall dogleg lines, trails and rights-of-way that approach lakes, streams or public roads, as specified in writing by a Land Use Inspector.

**4.08-DISPOSAL OF OVERBURDEN**

The Permittee shall dispose of all overburden as instructed in writing by the Land Use Inspector.

**4.09-EXCAVATIONS AND EMBANKMENTS**

The Permittee shall slope the sides of excavations and embankments except in solid rock to a horizontal/vertical ratio of 2:1 unless otherwise authorized in writing by the Land Use Inspector.

**5.02-SUMPS FREEBOARD**

The Permittee shall maintain all drill wastes at least 1.2 metres below the lowest elevation of contiguous surrounding ground surface at all times.

**5.04-BACKFILL SUMPS HOW**

The Permittee shall backfill all sumps in such a manner that drill waste is maintained below the 1.2 metre freeboard.

**5.05-BACKFILL SUMP OVERLAP**

The Permittee shall: (a) Place all excavated material over the sump area. (b) Overlap the replaced material a minimum of two (2) metres beyond the edges of the existing sump wall.

#### **6.02-NATURAL DRAINAGE**

The Permittee shall remove any obstruction to natural drainage caused by any part of this land use operation.

#### **6.03-STREAM BANKS**

The Permittee shall not cut any stream bank unless authorized in writing by a Land Use Inspector.

#### **6.04-ICE BRIDGE MATERIALS**

The Permittee shall not use any material other than water in the construction of ice bridges.

#### **6.07-STREAM BEDS ACCESS**

The permittee shall not use the bed of streams for access routes except for the purpose of crossing the streams unless otherwise authorized by a Land Use Inspector.

#### **6.11-EROSION CONTROL RIGHTS-OF-WAY**

The Permittee shall construct berms and/or ditches across the right-of-way at intervals of not less than thirty (30) metres on slopes exceeding eight per cent (8%) way prior to the commencement of spring break-up or the expiry date of this Permit, whichever occurs first.

#### **6.17-VEHICLES MOVEMENT FREEZE-UP**

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.

#### **6.24-SAVE ORGANIC SOIL**

The Permittee shall save the organic soil stripped from the excavation area.

#### **6.25-PLACE ORGANIC SOIL**

The Permittee shall place the organic soil over the disturbed area prior to the expiry date of this permit.

#### **7.03-SEWAGE DISPOSAL**

The Permittee shall deposit all sewage into a sump.

#### **7.06-DRILLWASTE**

The Permittee shall deposit all drill waste containing poisonous or persistent chemical additives into a sump.

#### **7.07-DRILL WASTE CONTAINMENT**

The Permittee shall not allow any drilling waste to spread to the surrounding lands.

#### **7.08-GARBAGE DISPOSAL**

The Permittee shall burn all garbage and debris at least daily.

#### **7.10-REMOVE GARBAGE**

The Permittee shall remove all non-combustible garbage and debris from the land use operation to a disposal site approved in writing by a Land Use Inspector.

#### **7.12-WASTE PETROLEUM DISPOSAL**

The Permittee shall dispose of all combustible waste petroleum products by incineration or removal.

#### **7.14-RIG WASH DISPOSAL**

The Permittee shall dispose of all fluids used to wash machinery and equipment in a sump unless otherwise authorized in writing by a Land Use Inspector.

#### **7.15-REPORT CHEMICAL AND PETROLEUM SPILLS**

The Permittee shall report all spills immediately in accordance with instructions contained in "Spill Report" form N.W.T. 1086 (10/79). Twenty four (24) hours spill report line (403) 920-8130.

#### **8.03-FREE FISH MOVEMENT**

The Permittee shall not obstruct the movement of fish while conducting this land use operation.

#### **8.05-CULVERT INSTALLATION**

The Permittee shall place the bottoms of all culverts installed in streams inhabited by fish at a level that maintains the natural contour of the stream.

#### **10.01-SECURITY DEPOSIT**

The Permittee shall deposit with the Minister a security deposit in the amount of \_\_\_\_\_ pursuant to Section 36 of the Territorial Land Use Regulations.

#### **11.02-FUEL BY STREAM**

The Permittee shall not place any petroleum fuel storage containers within twelve (12) metres of the normal high water mark of any stream.

#### **11.04-FUEL CONTAINMENT**

The Permittee shall not allow petroleum products to spread to surrounding lands or into water bodies.

#### **11.05-FUEL EXTRA CONTAINER**

The Permittee shall have one extra fuel storage container on site equal to, or greater than the size of the largest fuel container.

#### **11.06-DYKE FUEL CONTAINER**

Permittee shall construct a dyke around each stationary fuel container or group of stationary fuel container or group of stationary fuel containers where any one container has a capacity exceeding 4,000 litres.

#### **11.08-CAPACITY**

The volume of the dyked area shall be 10% greater than the capacity of the largest fuel container placed therein.

#### **11.09-IMPERMEABLE DYKE**

The Permittee shall ensure that the dyke and the area enclosed by the dyke shall be impermeable to petroleum products at all times.

#### **12.08-BURN BRUSH**

The Permittee shall totally dispose of all debris and brush by burning.

#### **13.02-HIGHWAY APPROACHES**

The Permittee shall not construct earth approaches abutted to the roadbed on any public highway or road, without prior written approval of the Engineer.

#### **13.05-DISPLAY PERMIT**

The Permittee shall display a copy of this permit in a conspicuous place in each campsite established to carry out this land use operation.

#### **13.07-IDENTIFY AGENT**

The Permittee shall provide in writing to the Engineer, at least forty-eight (48) hours prior to commencement of this land use operation, the following information: (a) person, or persons, in charge of the field operation to whom notices, orders, and reports may be served; (b) alternates; (c) all the indirect methods for contacting the above person(s).

#### **13.12-CONTINGENCY PLAN**

The Permittee shall submit to the Engineer a contingency plan, for chemical and petroleum spills, for use during the construction and operation of the winter road.

### **11. SIGNIFICANCE**

After taking into account mitigations, the following adverse environmental impacts are significant:

- alters community economics affecting - employment 9
- alters community economics affecting - regional economic activity 11

### **12. LIKELIHOOD OF OCCURANCE**

The following significant adverse effects are likely to occur:

### **13. CEEA DETERMINATION RECOMMENDATION**

Section 20 (1)(a) - Project may proceed as it is not likely to cause significant adverse environmental effects.

### **14. SCREENING REPORT AND/OR DECISION REPORT**


Public Notice of availability of Screening Report:	No
Public Notice of availability of Decision Report:	No
Public Comments Received on Screening Report:	No
Public Comments Received on Decision Report:	No
Record of comments attached to screening form:	No
Decision Report:	No Decision Report
Decision Report sent to:	

**15. AUTHORIZATION**

**Prepared By:** \_\_\_\_\_

**Date:**

**Approved By:**

  
Ed Hornby  
Land Use Administrator

**Date:** 1998/12/02