

Gwich'in Land and Water Board

Box 2018 Inuvik NT X0E 0T0

PH 867 777 7960 FX 867 777 7970

Permit Class: "A"

LAND USE PERMIT

Permit No: G06S010

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

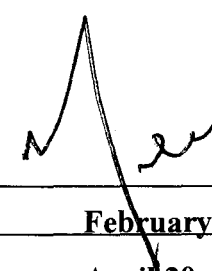
Imperial Oil Resources Ventures Limited

Permittee

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

Signature: R.D. Pawluk	Date: December. 7, 2006
Type of Land Use Operation: Geotechnical Investigation	
Location: Proposed IAF site - SE N68.2889/W133.1232, NE N68.2938/W133.1268, NW N68.2918/W133.1466, SW N68.2869/W133.1430 & access road - N68.2791/W133.2449 to N68.2870/W133.1424	

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

Dated at Inuvik, NT Chair 

This 27th Day of February 2007

Commencement Date March 1, 2007 Expiry Date April 30, 2008

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 ANNEXED TO AND FORMING PART OF LAND USE PERMIT: G06S010

PART A: SCOPE OF LAND USE PERMIT

1. This Land Use Permit entitles the Imperial Oil Resources Ventures Limited to conduct the following activities:
 - a) Construct a winter access road (location N68.2791/W133.2449 to N68.2870/W133.1424)
 - b) Perform geotechnical investigation (drill & excavate) along the access road (location as above) and at the proposed IAF site (location: SE corner N68.288940/W133.123195, NE corner N68.293816/W133.126793, NW corner N68.291813/W133.146637, SW corner N68.286928/W133.143035)
2. The 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 Land Use Permit.
3. Compliance with the terms and conditions of this Land Use Permit does not absolve the Permittee from responsibility for compliance with the requirements of all applicable Federal, Territorial and Municipal legislation.

PART B: DEFINITIONS

"Act" means the Mackenzie Valley Resource Management Act.

"Artesian Aquifer" means a water-bearing stratum, which when encountered during drilling operations, produces a pressurized flow of groundwater that reaches an elevation above the ground surface.

"Board" means the Gwich'in Land and Water Board established under Part 3 of the Mackenzie Valley Resource Management Act.

"Dogleg" means clearing 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.

"Drill Waste" means all materials or chemicals, solid or liquid, associated with the drilling of boreholes and includes borehole cuttings.

"Land Use Inspector" means an Inspector designated by the Minister under the Mackenzie Valley Resource Management Act.

PART C: CONDITIONS

26(1) (a) LOCATION AND AREA

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| <ol style="list-style-type: none">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.2. The Permittee shall not conduct any part of this land use operation within three hundred (300) metres of any privately owned land or structure, unless otherwise authorized in writing by a Land Use Inspector. | <p>PLANS</p> <p>PRIVATE PROPERTY</p> |
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| <p>3. (a) The Permittee shall offset vehicle travel in areas without a snow covered surface.</p> <p>(b) The Permittee shall confine the line to a maximum width of six (6) metres, unless otherwise authorized in writing by a Land Use Inspector.</p> | <p>OFFSET VEHICLE TRAVEL</p> |
| <p>4. The Permittee shall not construct an adit or drill site within thirty (30) metres of the ordinary high water mark of a water body, unless otherwise authorized in writing by a Land Use Inspector.</p> | <p>LOCATION OF ADITS AND DRILLSITES</p> |
| <p>5. The Permittee shall not construct parallel lines or roads, unless otherwise authorized in writing by a Land Use Inspector.</p> | <p>PARALLEL ROADS</p> |
| <p>6. The Permittee shall locate all lines, trails, rights-of-way to be constructed parallel to streams a minimum of thirty (30) meters from any stream except at crossings, unless otherwise authorized in writing by a Land Use Inspector.</p> | <p>PARALLELING STREAMS</p> |
| <p>26(1)(b) TIME</p> | |
| <p>7. The Permittee shall provide, in writing, to a Land Use Inspector, and to the Board for approval, at least forty-eight (48) hours prior to commencement of this land use operation, a complete list of equipment to be employed in the course of the land use operation.</p> | <p>PROVIDE EQUIPMENT LIST</p> |
| <p>8. The Permittee shall provide, in writing, to a Land Use Inspector, and to the Board for approval, at least forty-eight (48) hours prior to commencement of this land use operation, the following information:</p> <p>(a) locations of fuel storage site(s)</p> <p>(b) list outlining fuel type(s), number of containers, and quantity by fuel type to be stored for each location</p> | <p>PROVIDE FUEL STORAGE LIST</p> |
| <p>9. The Permittee shall provide to a Land Use Inspector, and to the Board for approval, at least forty-eight (48) hours prior to commencement of this land use operation, a waste management plan. The plan shall include, but not be limited to, the following information:</p> <p>(a) a summary of waste types to be generated</p> <p>(b) provisions for the use of appropriate disposal facilities and approved incinerators</p> <p>(c) provisions outlining recycling efforts</p> | <p>PROVIDE WASTE MANAGEMENT PLAN</p> |
| <p>10. The Permittee's Field Supervisor shall contact a Land Use Inspector at the Indian and Northern Affairs Canada, North Mackenzie District office at (867) 777-3361, and the Board at (867) 777-7960 at least forty-eight (48) hours prior to the commencement of this land use operation.</p> | <p>CONTACT INSPECTOR AND BOARD</p> |
| <p>11. The Permittee shall provide, in writing, to a Land Use Inspector and the Board, at least forty-eight (48) hours prior to commencement of this land use operation, the following information:</p> <p>(a) person, or persons, in charge of the field operation to whom notices, orders, and reports may be served;</p> <p>(b) alternates; and</p> | <p>IDENTIFY AGENT</p> |

(c) all methods for contacting the above person(s).

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| 12. The Permittee shall submit a progress report to a Land Use Inspector and the Board every seven (7) days during this land use operation. | PROGRESS REPORTS |
| 13. The Permittee shall advise a Land Use Inspector and the Board at least five (5) days prior to the completion of this land use operation of

(a) the plan for removal or storage of equipment and materials, and

(b) when final clean-up and restoration of the land used will be completed. | REPORTS BEFORE REMOVAL |
| 14. The Permittee shall not conduct any overland movement of equipment and vehicles after 0800 hours local time on April 15, unless otherwise authorized in writing by a Land Use Inspector. | SHUT-DOWN DATE |
| 15. The Board, for the purpose of this land use operation, designates April 15, as spring break-up. | SPRING BREAK-UP |
| 16. The Permittee shall remove all snow fills from stream crossings prior to spring break-up or completion of this land use operation, unless otherwise authorized in writing by a Land Use Inspector. | REMOVE SNOW FILLS |
| 17. The Permittee shall commence and foster revegetation of the land used, as directed by a Land Use Inspector, within one (1) year of the completion of this land use operation. | RE-ESTABLISH VEGETATION |
| 18. The Permittee shall complete all clean-up and restoration of the lands used in this land use operation prior to the expiry of this Land Use Permit. | CLEAN-UP |
| 19. The Land Use Inspector and the Board reserve the right to impose closure of any area to the Permittee in periods when dangers to natural resources are severe. | CLOSURE |

26(1)(c) TYPE AND SIZE OF EQUIPMENT

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| 20. The Permittee shall not use any equipment except of the type, size, and number that is listed in the approved equipment list, unless otherwise authorized in writing by a Land Use Inspector. | ONLY APPROVED EQUIPMENT |
| 21. The Permittee shall equip bulldozer blades used in this land use operation with "mushroom" type shoes which shall be extended twenty (20) centimetres below the cutting edge of the blade, or a similar type of device, to protect the ground surface and vegetation. | BULLDOZER BLADES AND SHOES |

26(1)(d) METHODS AND TECHNIQUES

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| 22. The Permittee shall scout proposed lines and routes to select the best location for crossing streams and avoiding terrain obstacles prior to the movement of any vehicle that exerts pressure on the ground in excess of 35 Kpa. | DETOURS AND CROSSINGS |
| 23. The Permittee shall construct and maintain winter roads with a minimum of fifteen (15) centimetres packed snow at all times during this land use operation. If this cannot be done, the Permittee shall construct Ice Roads in a manner approved by a Land Use Inspector. | SNOW ROADS/ ICE ROADS |
| 24. The Permittee shall dogleg lines, trails and rights-of-way that approach lakes, streams or public roads, as specified by a Land Use Inspector. | DOGLEG APPROACHES |
| 25. The Permittee shall plug all boreholes as this land use operation progresses. | PLUG HOLES |

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| 26. | The Permittee shall replace all excavated material from the test pits prior to the expiry of this Land Use Permit. | TEST PITS |
| 27. | The Permittee shall leave a buffer strip of undisturbed vegetation at least thirty (30) metres in width between cleared areas and public roads or navigable waterways. | TREE SCREEN |
| 28. | The Permittee shall minimize areas cleared, and loss of vegetation to the greatest extent possible. | MINIMIZE LAND USE AREA |

26(1)(e) TYPE, LOCATION, CAPACITY AND OPERATION OF FACILITIES

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| 29. | The Permittee shall ensure that the land use area is kept clean at all times. | CLEAN WORK AREA |
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26(1)(f) CONTROL OR PREVENT PONDING, FLOODING, EROSION, SLIDES AND SUBSIDENCE OF LAND

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| 30. | (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) The artesian occurrence shall be reported to the Land Use Inspector within forty-eight (48) hours. | PLUG ARTESIAN WELLS |
| 31. | The Permittee shall remove any obstruction to natural drainage caused by any part of this land use operation. | NATURAL DRAINAGE |
| 32. | The Permittee shall not use any material other than water and/or clean snow in the construction of ice bridges, ramps and snow fills. | ICE BRIDGE /SNOW FILL MATERIALS |
| 33. | The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs. | SUSPEND OVERLAND TRAVEL |
| 34. | 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 |

26(1)(g) USE, STORAGE, HANDLING AND ULTIMATE DISPOSAL OF ANY CHEMICAL OR TOXIC MATERIAL

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| 35. | The Permittee shall not use chemicals during the course of this land use operation that were not identified in the accepted application, unless otherwise authorized in writing by a Land Use Inspector. | APPROVAL OF CHEMICALS |
| 36. | The Permittee shall immediately report all spills to the 24 hour Spill Report Line (867) 920-8130 in accordance with instructions in the NWT SPILL REPORT form NWT 1752/0202. (See INAC Spill Protocol) | REPORT CHEMICAL AND PETROLEUM SPILLS |

26(1)(h) PROTECTION OF WILDLIFE AND FISHERIES HABITAT

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| 37. | The Permittee shall not unnecessarily damage wildlife habitat in conducting this land use operation. | HABITAT DAMAGE |
| 38. | The Permittee shall not feed or harass wildlife during the course of this land use | NO FEEDING OR |

	operation.	HARRASSING WILDLIFE
39.	The Permittee shall not obstruct the movement of fish while conducting this land use operation.	FREE FISH MOVEMENT
40.	The Permittee shall not destroy or damage beaver dams.	BEAVER DAMS
41.	The Permittee shall not destroy or damage muskrat lodges.	MUSKRAT LODGES
42.	The Permittee shall use food handling and garbage disposal procedures that do not attract bears. Information about the latest bear detection and deterrent techniques can be obtained from the Department of Environment and Natural Resources in Inuvik at (867) 777-7308.	BEAR/MAN CONFLICT
43.	If migratory birds, or any species at risk, or grizzly bear, or wolverine are encountered during the course of this land use operation, the Permittee shall minimize all activity so as to not disturb these animals.	MINIMIZE ACTIVITY
 26(1)(i) STORAGE, HANDLING AND DISPOSAL OF REFUSE OR SEWAGE		
44.	The Permittee shall keep all garbage and debris in a covered metal container on site until disposed of.	GARBAGE CONTAINER
45.	The Permittee shall remove from lands, used in this land use operation, all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material.	REMOVE WASTE MATERIAL
 26(1)(j) PROTECTION OF HISTORICAL AND ARCHAEOLOGICAL SITES AND BURIAL GROUNDS		
46.	The Permittee shall not knowingly operate any vehicle within thirty (30) metres of a known or suspected historical or archaeological site, or burial ground.	OPERATE VEHICLE
47.	The Permittee shall immediately cease any activity which disturbs an archaeological or historic site or specimen or burial ground, and shall contact the Board at (867) 777-7960, and the Prince of Wales Northern Heritage Centre at (867) 920-6182, and shall not continue without written authorization from the Board.	STOP LAND USE OPERATION AND REPORT
 26(1)(k) PROTECTION OF OBJECTS AND PLACES OF RECREATIONAL, SCENIC OR ECOLOGICAL VALUE		
 26(1) (l) POSTING OF SECURITY		
 26(1)(m) FUEL STORAGE FACILITIES		
48.	The Permittee shall not place any fuel storage containers within thirty (30) metres of the normal high water mark of any water body, unless otherwise authorized in writing by a Land Use Inspector.	FUEL BY WATER BODY
49.	The Permittee shall not allow petroleum products to spread to surrounding lands or into water bodies.	FUEL CONTAINMENT

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| 50. | The Permittee shall not use bladders for transporting or storing petroleum products. | BLADDERS
PROHIBITED |
| 51. | The Permittee shall mark all fuel containers, including 45-gallon drums, with the Permittee's name. | MARK
CONTAINERS |

26(1)(n) METHODS AND TECHNIQUES FOR DEBRIS AND BRUSH DISPOSAL

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| 52. | The Permittee shall dispose of all debris and brush by

(a) windrowing the debris and brush to the side of the line, and

(b) making breaks in the windrow of at least seven (7) metres wide at intervals of not more than three hundred and thirty (330) metres. | BRUSH
DISPOSAL |
| 53. | The Permittee shall spread all cut debris and brush over the areas cleared, prior to completion of this land use operation or the expiration of this Land Use Permit. | SPREAD BRUSH |
| 54. | The Permittee shall salvage all portions of trees cleared that are larger than thirteen (13) centimetres in diameter | SALVAGE
TIMBER |
| 55. | The Permittee shall neatly pile all salvaged wood at locations specified in writing by a Land Use Inspector. | PILE WOOD |
| 56. | The Permittee shall not leave tree stumps exceeding twenty (20) centimetres above the ground surface. | TREE STUMPS |

26(1)(o) RESTORATION OF LANDS

26(1)(p) DISPLAY OF PERMITS AND PERMIT NUMBERS

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| 57. | The Permittee shall, at all times during the course of this land use operation, keep on hand a copy of this Land Use Permit. | COPY OF
PERMIT |
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26(1)(q) MATTERS NOT INCONSISTENT WITH THE REGULATIONS

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| 58. | The Permittee shall, while conducting the operation, make every effort to avoid covering or destroying traps or snares. | TRAPS
PROTECTION |
| 59. | The Permittee shall restore any trails used by trappers or hunters by slashing any and all trees that may fall across these paths or trails and by removing any other obstructions such as snow piles or debris that may be pushed across the trails. | TRAILS
RESTORATION |
| 60. | The permittee shall clearly mark thermistor test stations so as to prevent them from posing a safety hazard to land users. | MARK POSTS |