



GWICH'IN LAND AND WATER BOARD

BOX 2018 INUVIK NT X0E 0T0
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WEB glwb.com
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April 5, 2005

File: G05S005

Knute Hansen
Daazraii Investments Incorporated
Box 118
Aklavik, NT
X0E 0A0

Dear Mr. Hansen:

RE: Land Use Permit; G05S005
Access Road/Quarry Operation: Source 467, Willow River Quarrying Area

The Gwich'in Land and Water Board has issued Land Use Permit G05S005 for a period of one (1) year beginning April 5th, 2005 and ending April 15th 2006. Please ensure that your company maintains a valid Gwich'in Tribal Council Quarry and Right-of-Way Authorization. Gwich'in Authorizations from Tribal Council are a condition of the Land Use Permit.

If you have any questions regarding this letter, contact me at (867) 777-4954 or email D_Campbell@glwb.com.

Yours sincerely,

Robert A. Alexie
Executive Director

Copied to: Rudy Cockney, North Mackenzie District, DIAND, Inuvik



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Permit Class: A

LAND USE PERMIT

Permit No: G05S005

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

Daazraii Investments Incorporated.

PERMITTEE

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

Signature: **Knute Hansen**

Date: Feb/05

Type of Land Use Operation: **Access Road/Quarry Operation**

Location: **Willow River Quarrying Area (Source 467), 68° 12' 34" N, 135° 28' 23" W.**

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

Dated at Inuvik, NT

Chair 

This 5th

Day of April 2002.

Commencement Date April 5, 2005.

Expiry Date April 15, 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 G05S005**

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

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| 1.1 | The Permittee shall conduct this land use operation in accordance with the Gwich'in Tribal Council Site #467 Willow River Sand and Gravel Development and Site Plan. | PLANS |
| 1.2 | The Permittee shall only excavate and stockpile in areas designated in the approved " Source 467 Pit Development Plan " or as directed by Gwich'in Tribal Council – Lands and Resources Manager. | DESIGNATED AREAS |
| 1.3 | (a) The Permittee shall offset vehicle travel in areas without a snow covered surface.

(b) The Permittee shall confine the line to a maximum width of ten (10) metres, unless otherwise authorized in writing by a Land Use Inspector. | OFFSET VEHICLE TRAVEL |
| 1.4 | The Permittee shall remove from Gwich'in Lands, all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material. | REMOVE WASTE MATERIAL |
| 1.5 | The Permittee shall 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. | PARALLELING STREAMS |

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

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| 2.1 | This permit is valid only when the Permittee is in possession of a valid Gwich'in Aggregate Authorization and Temporary Right-of-Way Authorization from Gwich'in Tribal Council. | EXPIRY DATE |
| 2.2 | The Permittee's Field Supervisor shall contact and meet with a Land Use Inspector at the office of the Department of Indian and Northern Development, telephone number (867) 777-3361, at least forty-eight (48) hours before the commencement of this land use operation. | CONTACT INSPECTOR |
| 2.3 | The Permittee shall advise a Land Use Inspector at least ten (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 land used will be completed. | REPORTS BEFORE REMOVAL |

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| 2.4 | The Permittee shall not conduct any overland movement of equipment or vehicles before 0800 hours local time on Nov. 15, unless otherwise authorized in writing by a Land Use Inspector. | START-UP
DATE |
| 2.5 | 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 |
| 2.6 | The Board, for the purpose of this operation, designates April 15 th as spring break-up. | SPRING
BREAK-UP |
| 2.7 | The Permittee shall complete all clean up and restoration of the lands used prior to the expiry date of this Permit. | CLEAN UP |
| 2.8 | The BOARD reserves 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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| 3.1 | The Permittee shall not use any equipment except of the type, size and number that is listed in the accepted application, or unless otherwise authorized in writing by a Land Use Inspector. | ONLY
APPROVED
EQUIPMENT |
| 3.2 | The Permittee shall equip bulldozer blades used in construction of the access road with "mushroom" type shoes or a similar type of device that shall be extended fifteen (15) centimetres below the cutting edge of the blade (due to lack of snow blading may not be required for a 10 cm snow road). | BULLDOZER
BLADES
AND SHOES |

26 (1) (d) - METHODS AND TECHNIQUES

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| 4.1 | The Permittee shall dispose of all overburden as designated in writing by the Land Use Inspector. | DISPOSAL OF
OVERBURDEN |
| 4.2 | Stripping of overburden must be approved by a Land Use Inspector or Gwich'in Environmental Monitor prior to commencement of the quarrying operation. | STRIPPING OF
OVERBURDEN |
| 4.3 | The Permittee shall slope the sides of excavations and embankments except in solid rock to two (2) horizontal to one (1) vertical, in dry stable soil three (3) horizontal to one (1) vertical, and in wet unstable soil four (4) horizontal to one (1) vertical, unless otherwise authorized in writing by a Land Use Inspector. | EXCAVATIONS
AND
EMBANKMENTS |

4.4	The Permittee shall slope the sides of waste material piles to a gradient specified in writing by a Land Use Inspector.	WASTE MATERIAL PILES
4.5	The Permittee shall not: (a) Use explosives.	RESTRICTIONS
4.6	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, then the road must be flooded and frozen.	SNOW ROADS/ ICE ROADS
4.7	Winter Stream/Lake crossings should be located to minimize approach grades. Cutting or filling of crossing approaches should not be permitted unless approved by the inspectors.	STREAM/LAKE CROSSINGS.
4.8	Winter Stream/Lake crossings should be constructed entirely of snow materials/water or authorized by an inspector and be removed prior to spring break-up.	CONSTRUCTION MATERIAL
4.9	The ramp(s) from water to shore shall be made of ice and snow and either v-notched or removed as the operation progresses.	ACCESS RAMPS
4.10	The Permittee shall not erect camps or store material on the surface ice of streams and lakes.	STORAGE ON ICE
26 (1) (e) - TYPE, LOCATION, CAPACITY AND OPERATION OF FACILITIES		
5.1	The Permittee shall maintain a minimum undisturbed buffer zone of one hundred (100) metres between the proposed quarry operations and the high water mark of any definable water course.	QUARRY FROM WATER
5.2	The Permittee shall ensure that the land use area is kept clean and tidy at all times.	CLEAN WORK AREA
26 (1) (f) - CONTROL OR PREVENTION OF FLOODING, EROSION AND SUBSIDENCE OF LAND		
6.1	The Permittee shall remove any obstruction to natural drainage caused by any part of this land use operation.	NATURAL DRAINAGE
6.2	The Permittee shall not cut any stream bank, unless authorized in writing by a Land Use Inspector.	STREAM BANKS

6.3	The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.	PREVENTION OF RUTTING
6.4	The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs.	SUSPEND OVER-LAND TRAVEL
6.5	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
6.6	The Permittee shall apply grass seed and fertilizer to areas designated in writing by a Land Use Inspector.	REPLANT DESIGNATED AREAS
26 (1) (g) - USE, STORAGE, HANDLING AND DISPOSAL OF CHEMICAL OR TOXIC MATERIAL		
7.1	The Permittee shall dispose of all combustible waste petroleum products by removal.	WASTE PETROLEUM DISPOSAL
7.2	The Permittee shall report all spills immediately in accordance with instructions contained in "Spill Report" form N.W.T. 1086 (10/79). 24-hour Spill Report Line (867) 920-8130.	REPORT CHEMICAL AND PETROLEUM SPILLS
26 (1) (h) - PROTECTION OF WILDLIFE HABITAT AND FISHERIES		
8.1	The Permittee shall not unnecessarily damage wildlife habitat in conducting this land use operation.	HABITAT DAMAGE
8.2	The Permittee shall not operate any equipment when caribou are within Five hundred (500) Meters of the operation.	EQUIPMENT MOVEMENT
8.3	The deposition of deleterious substances in to water bodies frequented by fish is prohibited under Section 36 of the Fisheries Act . The proponent should ensure that any chemicals, fuels, or waste associated (dirt) with the proposed project do not enter in such waters. DFO recommends all waste and fuel caches be located a minimum of thirty (30) metres from the normal high water mark of any such water body.	PROHIBITED ACTIVITY
25 (1) (j) - PROTECTION OF HISTORICAL AND ARCHAEOLOGICAL SITES		
9.1	The permittee shall not operate any vehicle within five hundred (500) metres of a known or suspected archaeological site.	VEHICLE OPERATION

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| 9.2 | The permittee shall not remove, disturb or displace any archaeological specimen or site. | DISTURB
OR
DISPLACE |
| 9.3 | The permittee shall contact the Board should an archaeological site or specimen be encountered or disturbed by any land use activity. | CONTACTS |
| 9.4 | The permittee shall immediately cease any activity that disturbs an archaeological or historical site, encountered during the course of a land use operation, until permitted to proceed with the authorization of the BOARD | STOP LAND
USE
ACTIVITY |
| 9.5 | The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and specimens. | ENSURE
AWARENESS |

26 (1) (m) - PETROLEUM FUEL STORAGE

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| 10.1 | The Permittee shall not place any petroleum fuel storage containers within thirty (30) metres of the normal high water mark of any stream. | FUEL BY
STREAM |
| 10.2 | The Permittee shall not allow petroleum products to spread to surrounding lands or into water bodies. | FUEL
CONTAINMENT |

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

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| 11.1 | The Permittee shall conspicuously display the Land Use Permit number on all vehicles and equipment. | DISPLAY
PERMIT
NUMBER |
| 11.2 | The Permittee shall keep on hand, at all times during this land use operation, a copy of the Land Use Permit | COPY OF PERMIT |

**26 (1) (q) - MATTERS NOT INCONSISTENT
WITH THE REGULATIONS**

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| 12.1 | The Permittee shall provide in writing to the Board, at least forty-eight (48) hours before 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). | |

12.2 The Permittee shall, while preparing the access road, make every effort to avoid covering or destroying traps or snares that may be found along these routes.

**TRAPS
PROTECTION**

12.3 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**