



GWICH'IN LAND AND WATER BOARD

P.O. Box 2018, Inuvik, NT X0E 0T0

867-777-4954

867-777-2304

glwb.com

LAND USE PERMIT

Permit Class	Permit No	Amendment No
A	G20Q003	-

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:

Arctic Tire 1980 Ltd.

(Permittee)

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

Signature Dean Smith	Date February 28, 2020
Type of Land Use Operation Quarrying	
Location km 230 and 235 Dempster Highway #8 (68.173524, -133.424321 and 68.20, 1188,-133.407869)	

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

Dated at Inuvik this 13 day of April , 2020

Witness - Leonard DeBastien

Chair - Elizabeth Wright

Commencement Date

 April 13, 2020

Expiry Date

 April 12, 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 # G20Q003

Part A: Scope of Permit

1. This Permit entitles the Permittee to conduct the following land-use operation:
 - a) Extracting, temporary stockpiling, loading and hauling granular material from existing quarries located at km 230 and km 235 Dempster Highway # 8, Northwest Territories.
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.
4. This Permit is only valid in conjunction with a valid Quarry Permit issued by the Government of the Northwest Territories Department of Lands.

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.

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.

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.

Waste - any garbage, debris, chemical, or Toxic Material to be used, stored, disposed of, or handled on land, and also 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 only conduct this land-use operation on lands designated in the application. | LOCATION OF ACTIVITIES |
| 2. | The Permittee shall not conduct a quarry operation within 100 metres of the Ordinary High Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. | QUARRY SETBACK |
| 3. | Prior to the commencement of the land-use operation, the Permittee shall mark each corner of the land use area. | MARK AREA |
| 4. | The Permittee shall maintain the corner markings until the area is reclaimed. | CORNER POSTS |
| 5. | Prior to the commencement of the land-use operation, the Permittee shall accompany an Inspector during an inspection of the proposed land use area. | INSPECT LOCATIONS |
| 6. | The Permittee shall only excavate and stockpile in areas designated in the accepted application, unless otherwise authorized in writing by a Land Use Inspector. | EXCAVATE STOCKPILE |

26(1)(b) Time

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| 7. | At least 48 hours prior to the initial commencement of the land-use operation, the Permittee's Field Supervisor shall contact an Inspector at (867) 777-8900 | INITIAL NOTIFICATION – CONTACT INSPECTOR |
| 8. | 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:
<ul style="list-style-type: none"> a) the name(s) of the person(s) in charge of the field operation; b) alternates; and c) all methods for contacting the above person(s). | IDENTIFY AGENT |
| 9. | At least ten days prior to any shutdown period, the Permittee shall advise an Inspector of:
<ul style="list-style-type: none"> a) the plan for removal or storage of equipment and materials; and b) when cleanup and Progressive Reclamation of the land used will be completed. | REPORTS BEFORE SEASONAL REMOVAL |
| 10. | At least ten days prior to the completion of the land-use operation, the Permittee shall advise an Inspector of:
<ul style="list-style-type: none"> a) the plan for removal or storage of equipment and materials; | REPORTS BEFORE FINAL REMOVAL |

- b) when final cleanup and reclamation of the land used will be completed; and
- c) when the Final Plan will be submitted.

11. The Board and/or Inspector reserves the right to impose closure of any area to the Permittee during periods when dangers to natural resources are severe. **CLOSURE**

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

12. The Permittee shall not use any equipment except of a similar type, size, and number to that listed in the complete application. **ONLY APPROVED EQUIPMENT**

26(1)(d) Methods and Techniques

13. The Permittee shall not quarry to a depth below that of the water table. Do not quarry below existing pit floor. **QUARRY DEPTH**

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

14. 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

15. The land-use operation shall not cause obstruction to any natural drainage. **NATURAL DRAINAGE**

16. The Permittee shall slope the sides of material piles, excavations, and embankments — except in solid rock — to a minimum ratio of 2:1 vertical, unless otherwise authorized in writing by an Inspector **EXCAVATION AND EMBANKMENTS**

17. The Permittee shall minimize erosion by installing erosion control structures as the land-use operation progresses. **PROGRESSIVE EROSION CONTROL**

18. The Permittee shall apply appropriate mitigation at the first sign of erosion. **REPAIR EROSION**

19. The Permittee shall not excavate land within 100 metres of the Ordinary High Water Mark of any Watercourse, unless otherwise authorized in writing by an Inspector. **EXCAVATION SETBACK**

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

20. 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**

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| 21. | The Permittee shall dispose of all combustible Waste petroleum products by removal to an approved disposal facility. | WASTE PETROLEUM
DISPOSAL |
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26(1)(h) Wildlife and Fish Habitat

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| 22. | The Permittee shall take all reasonable measures to prevent damage to wildlife and fish Habitat during this land-use operation. | HABITAT DAMAGE |
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26(1)(i) Storage, Handling, and Disposal of Refuse or Sewage

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| 23. | The Permittee shall dispose of all garbage, Waste, and debris as described in the application, unless otherwise authorized in writing by an Inspector. | REMOVE GARBAGE |
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26(1)(j) Protection of Historical, Archaeological, and Burial Sites

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| 24. | The Permittee shall not operate any vehicle or equipment within 150 metres of a known or suspected historical or archaeological site or burial ground. | ARCHAEOLOGICAL
BUFFER |
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| 25. | The Permittee shall not knowingly remove, disturb, or displace any archaeological specimen or site. | SITE DISTURBANCE |
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| 26. | The Permittee shall, where a suspected archaeological or historical site, or burial ground is discovered: | SITE DISCOVERY AND
NOTIFICATION |
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- a) immediately suspend operations on the site; and
- b) notify the Board at (867) 777-4954 or an Inspector at (867) 777-8906, and the Prince of Wales Northern Heritage Centre at 767-9347 ext. 71250 or ext. 71251.

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

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| 27. | The Permittee shall take all reasonable precautions to avoid impacts to traditional harvest activities. | TRADITIONAL USE |
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26(1)(l) Security Deposit

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| 28. | All costs to remediate the area under this Permit are the responsibility of the Permittee. | RESPONSIBILITY FOR
REMEDICATION
COSTS |
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26(1)(m) Fuel Storage

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| 29. | The Permittee shall not allow petroleum products to spread to surrounding lands or Watercourses. | FUEL CONTAINMENT |
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| 30. | The Permittee shall not store any fuel on site during this landuse operation. | FUEL STORAGE |
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| 31. | The Permittee shall set up all refueling points with Secondary Containment. | SECONDARY
CONTAINMENT -
REFUELING
DRIP TRAYS |
| 32. | 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. | |
| 33. | The Permittee shall adhere to the Spill Contingency Plan 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. | SPILL CONTINGENCY
PLAN |
| 34. | 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. | SPILL RESPONSE |
| 35. | The Permittee shall clean up all leaks, spills, and contaminated material. | CLEAN UP SPILLS |
| 36. | During the period of this Permit, if a spill occurs or is foreseeable, the Permittee shall: <ul style="list-style-type: none"> a) implement the approved Spill Contingency Plan; b) report it-immediately using the NU-NT Spill Report Form by one of the following methods: <ul style="list-style-type: none"> • Telephone: (867) 920-8130 • Fax: (867) 873-6924 • E-mail: spills@gov.nt.ca • Online: Spill Reporting and Tracking Database c) within 24 hours, notify the Board and an Inspector; and 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. | REPORT SPILLS |

26(1)(n) Methods and Techniques for Debris and Brush Disposal

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| 37. | The Permittee shall not clear areas larger than identified in the complete application. | MINIMIZE AREA
CLEARED |
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26(1)(o) Restoration of the Lands

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| 38. | The Permittee shall dispose of all overburden as instructed by an Inspector. | DISPOSAL OF
OVERBURDEN |
| 39. | Prior to the end of the land-use operation, the Permittee shall level all stockpiles of granular material located within the land use area. | LEVEL STOCKPILES |

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| 40. | The Permittee shall carry out progressive reclamation of disturbed areas as soon as it is practical to do so. | PROGRESSIVE RECLAMATION |
| 41. | Prior to the end of this land use operation, the Permittee shall complete all cleanup and restoration of the lands used. | FINAL CLEANUP AND RESTORATION |
| 42. | Prior to the end of the land-use operation, the Permittee shall prepare the site in such a manner as to facilitate natural revegetation. | NATURAL VEGETATION |
| 26(1)(p) Display of Permits and Permit Numbers | | |
| 43. | 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 | | |
| 44. | The Permittee shall suspend activities temporarily if one or more caribou are spotted within five hundred (500) metres of the work site. | CARIBOU DISTURBANCE |
| 45. | 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 |
| 46. | If any plan is not approved by the Board, the Permittee shall revise the plan according to the Board's direction and re-submit it to the Board for approval. | RESUBMIT PLAN |
| 47. | All revised plans submitted to the Board shall include a brief summary of the changes made to the plan. | SUMMARY OF CHANGES |