



Indian and Northern Affairs Canada
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 Land Administration
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To / A	CG&T	From / De	Julia LACROIX	
Co-Deputy Commissioner	Mr. Corbeil	Co. / C/o		
Phone # / N° de tél.	Phone # / N° de tél.			
867 975 8143		Fax # / N° de télécopieur		

May 25, 2004

Community Government & Transportation
 P.O. Box 490
 Rankin Inlet, Kivalliq, NU,
 X0A 0H0

Dear Mr. Corbeil:

Re: Land Use Permit #N2002E0029
Type of Operation: Access Road
Location: Chesterfield Inlet, Kivalliq, NU

From the land use records of this office, it is noted that the captioned land use permit will expire on July 21, 2004.

At this time we wish to point out that prior to the expiry date of your land use permit restoration, clean-up and removal of equipment, materials, buildings, etc., must be achieved.

Should you require additional time to complete your land use operation, please refer to Section 31(5) of the *Territorial Land Use Regulations* regarding extensions of duration of a permit. An extension request must be received before the expiry date of the permit.

If no extension of permit is requested, you are required to submit a final plan of your land use operation as soon as possible.

According to Section 33 of the *Territorial Land Use Regulations*, we require a final plan which shows:

- 1 The lands actually used for the land use operation, that is, a map or maps drawn to scale which clearly outline the area used by you, the Permittee, in such a manner that we can distinguish between areas used by you and those areas not used by you.

The procedure normally used is to present two maps of different scales, one being 1:250,000 and the other being on a scale which clearly depicts the operation as it was conducted on the surface, distinguishing the use area vs. the non-use area.

ALL MAPS MUST HAVE THE NORTH INDICATOR, SCALE AND CO-ORDINATES CLEARLY MARKED.

Canada

- 2 A submission indicating the hectares utilized in each segment of the land use operation, ie: campsites, drill sites, seismic lines, access routes, etc.
- 3 A submission outlining the calculation of fees for ease of reference.

It should also be appreciated if you would advise us of any wildlife observations made during the course of your operation.

Yours truly,

Julia Lacroix
Assistant Land Administrator
Lands Administration

cc: RMO



Nunavut

FAX TRANSMISSION

**Government of Nunavut
Community & Government Services
P.O Bag 002
Rankin Inlet, NT
Kivalliq Region
X0C 0G0**

To:Inac : Attention Ms Julia Lacroix
FAX 1 867 975 4286

From: Bryan W. Purdy P Eng.

Community & Government
Services
PO Bag 002
Rankin Inlet, Nu X0C 0G0
1 867 645 8159
1 867 645 8196

Date: June 7th, 2004

Number of Pages (inc. cover): 4

COMMENTS:

Please find attached a letter regarding Permit No. N2002E0029

Bryan Purdy

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June 7th, 2004

Indian and Northern Affairs Canada
Land Administration
P.O Box 100
Iqaluit Nunavut
XOAOHO
Attention Ms Julia Lacroix FAX 1 867 975 4286

Re: Land Use Permit # N2002E0029 Access Road Chesterfield Inlet
Dear Ms Lacroix

Thank you for your May 25th letter regarding the Chesterfield Inlet Land Use Permit. It is important that the following update on construction progress information be filed with your office.

1. The contractor started late in the summer of 2003 consequently the construction will carry one addiitonal year until August 15th of 2005

2 CGS wish to request a one year extension to this land use permit with an expiry date of August 15th 2005

3 Please summarize the exact administration processes CGS has to undertake to achieve this one year extension to the land use permit # N2002E0029

Please treat this letter as a request for a one year and one month extension to the existing land use permit .

Kindly contact me at my e- mail address bpurdy@gov.nu.ca

Yours truly

Bryan Purdy P.Eng.
Municipal Planning Engineer
Community, and Government Services



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Your file - Votre référence

Our file - Notre référence

July 22, 2002

Community Government & Transportation
P.O. Box 490
Rankin Inlet, NU X0A 0H0

Dear Mr. Corbeil:

Re: Land Use Permit #N2002E0029
Type of Operation: Access Road
Location: Chesterfield Inlet, NU

Enclosed is your copy of Land Use permit number N2002E0029 authorizing your project as described in your application dated May 31, 2002.

Your application has received a wide distribution to other Federal departments, Government of NU departments, communities in the area of your operation and concerned native groups. In distributing your application the Nunavut Impact Review Board (NIRB) sought comments from these various agencies based on their area of expertise that will help ensure minimum negative impact on the environment. The issuance of this permit indicates that as a result of the NIRB environmental screening process it was decided that the potentially adverse environmental effects that may be caused by your proposal are mitigable with known technology and are not significant. The terms and conditions in the permit will, in our opinion, provide the necessary protection to the environment.

The Nunavut Impact Review Board has also recommended the following:

1. The permittee shall not discharge or deposit any refuse substances or other waste materials in any body of water, or on the banks thereof, which will impair the quality of the waters of the natural environment.
2. The permittee shall not locate any operation so as to block or cause substantial diversion to migration of caribou.
3. Encourage you to hire local people and services, to the extent possible.
4. That you consult with local residents regarding your activities in the region and present the results of the research to the community in the community's preferred

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5. Advise you that any amendment requests deemed by NIRB to be outside of the original scope of the project will be considered a new project.
6. That you ensure that the Quarry Sites avoid known environmentally sensitive areas (denning, nesting etc.) By a minimum of 250 metres.
7. That you not conduct any activity associated with the land use operation during critical periods of wildlife cycles (eg. Caribou migration, calving, fish spawning or raptor nesting).
8. That you not obstruct the movement of fish while conducting the land use operation
9. That you follow all terms and conditions for the protection and restoration of archaeological resources as outlined by the Department of Culture, Language, Elders and Youth (CLEY) letter annexed to your Permit
10. The licensee shall not bury any waste.
11. That you shall not deposit or permit the deposit of sediment into any water body.
12. The construction or disturbance of any stream/lake bed or banks of any definable water course is not permitted unless authorized by the Department of Fisheries and Oceans (DFO).
13. You may only excavate and stockpiles in areas designated.
14. The permittee shall not establish any trenches or stockpiles within thirty-one (31) metres of the normal high water mark of a water body.

Please ensure that you adhere to the operating conditions annexed to your permit, as well as the Terms and Conditions annexed to this permit as provided by the Department of Culture, Language, Elders and Youth (CLEY) and the Caribou Protection Measures. Any questions pertaining to the recommended conditions listed in this letter should be directed to The Nunavut Impact Review Board office in Cambridge Bay, phone number (867) 983-2593. Should you have any questions, regarding any conditions listed in the permit, please contact our District Manager in Iqaluit at phone number (867) 975-4295

Yours truly,


Michael Immaroitok
Land Administration Specialist
Land Administration.

cc: RMO
NIRB

WATTS/tw

- 1 -

CONDITIONS ANNEXED TO AND FORMING PART OF LAND USE PERMIT NUMBER N2002E0029

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, building and building material.	REMOVE WASTE MATERIAL

31(1)(b) - Time

3. The Permittee's Field Supervisor shall contact or meet with a Land Use Inspector at the Kivalliq office of the Department of Indian Affairs and Northern Development, phone number (867) 645-2831, at least 48 hours prior to the commencement of this land use operation.	CONTACT INSPECTOR
4. The Permittee shall advise a Land Use Inspector at least 10 days prior to the completion of the land use operation of;	REPORTS BEFORE REMOVAL
a) his plans for removal or storage of equipment and materials, and	
b) when final clean-up and restoration of the lands used will be completed.	
5. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of this permit.	CLEAN-UP

- 2 -

31(1)(c) - Equipment

6. 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.

ONLY APPROVED EQUIPMENT

31(1)(d) - Methods and Techniques

7. The Permittee shall dispose of all over-burden as instructed in writing by the Land Use Inspector.

8. 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.

9. The Permittee shall leave a strip of undisturbed vegetation at least 100 metres in width between the cleared area and public roads or navigable waterways.

DISPOSAL OF OVERBURDEN

EXCAVATIONS AND EMBANKMENTS

TREE SCREEN

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

10. The Permittee shall ensure that the land use area is kept clean and tidy at all times.

CLEAN WORK AREA

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

11. The Permittee shall install erosion control structures as the land use operation progresses unless otherwise authorized by a Land Use Inspector.

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

EROSION CONTROL WHEN

PLACE ORGANIC SOIL

- 3 -

31(1)(g) - Use, Storage, Handling and Disposal of Chemical or Toxic Material

13. The Permittee shall remove all non-combustible garbage and debris from the land use area to a disposal site approved in writing by a Land Use Inspector.	REMOVE GARBAGE
14. The Permittee shall report all spills immediately in accordance with instructions contained in "Spill Report" form NWT 1752(05/93). Twenty four (24) hour spill report line (867)920-8130.	REPORT CHEMICAL AND PETROLEUM SPILLS

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

15. The Permittee shall not unnecessarily damage wildlife habitat in conducting this land use operation.	HABITAT DAMAGE
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31(1)(i) - Objects and Places of Recreational, Scenic and Ecological Value

16. The Permittee shall not feed wildlife.	NO FEEDING WILDLIFE
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31(1)(k) - Petroleum Fuel Storage

17. The Permittee shall not place any petroleum fuel storage containers within thirty one (31) metres of the normal high water mark of any stream.	FUEL BY STREAM
18. The Permittee shall not allow petroleum products to spread to surrounding lands or into water bodies.	FUEL CONTAINMENT
19. The Permittee shall have one extra fuel storage container on site equal to, or greater than, the size of the largest fuel container.	FUEL EXTRA CONTAINER

- 4 -

20. The Permittee shall:

(A) repair all leaks immediately.

CHECK FOR
LEAKS

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

21. The Permittee shall conspicuously display the land use permit number on all vehicles and equipment.

DISPLAY PERMIT
NUMBER

22. 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



Indian and Northern Affairs Canada Indiens et du Nord Canada

**LAND USE PERMIT
NORTHERN AFFAIRS PROGRAM**

PERMIS D'UTILISATION DES TERRES PROGRAMME DES AFFAIRES DU NORD

Permit Class - Permis Catégorie	Permit No - N° de permis
A	N2002E0029

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:

Community Government & Transportation

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 Jean Corbeil	Date May 31, 2002
Type of Land Use Operation - Génie de travaux d'exploitation des terres Access Road	
Location - Emplacement Chesterfield Inlet, Keewatin, NU NTS Mapsheet Number 550	

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 Iqaluit, Nunavut

Engineer
Ingénieur

This Day of
Ce 22nd jour de July 2002

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 ARRETÉ APPLICABLE. LE MANQUEMENT À CETTE OBLIGATION POURRAIT DONNER LIEU À LA SUSPENSION OU À L'ANNULATION DU PERMIS.

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5. COMMUNITY UNDERSTANDING

We have researched some of the community information for Chesterfield Inlet. We briefly summarize our findings in the following sections.

5.1 GENERAL

Chesterfield Inlet is located on a small bay on the south shore of Chesterfield Inlet. It sits on a 240 km long arm of the sea on the western side of Hudson Bay. Located at 63°21' N latitude and 90°42' W longitude, the community is 101 air km north-east of Rankin Inlet.

5.2 GEOLOGY AND TERRAIN

Because of rock ridges and many scattered inland lakes, development is restricted to a narrow coastal strip. Rock outcrops, local ponded areas and variable permafrost conditions impose further restrictions. The Hamlet is within the defined continuous permafrost zone; thawing of the active layer in the summer creates unstable surface and subsurface conditions. The depth of the active layer is dependent upon subsurface composition and ranges from 0 to 1 m.

Surface material within the developed area consists of sand and gravel beach deposits with scattered boulders, bare rock and patches of muskeg. Bedrock is composed mainly Precambrian granite and gneiss.



5.3 VEGETATION

Mosses, grasses, and lichens are common.

5.4 CLIMATE

Chesterfield Inlet receives an average of 14.6 cm of rainfall and 112.5 cm of snowfall per year. Mean annual precipitation totals 25.9 cm. July mean high and low temperatures are 13.1° C and 4.6° C. January mean high and low temperatures are -27.8° C and -35.2° C. Winds are generally north-west and annually average 22.3 km/h.

Directed by prevailing northerly winds across exposed surfaces, snowdrifting on the lea side of buildings assumes a characteristic north-west orientation. Snow accumulation, which builds to drifts of up to 4 m, is further influenced by local landforms. Limiting communication and mobility, snowdrifts have also contributed to fire hazard by restricting the safe exit of buildings. With the recent construction of snowfencing, snowdrifting problems have been greatly reduced.

5.5 COMMUNITY HISTORY AND ECONOMY

Historically, Chesterfield Inlet was a meeting place for Inuit who hunted seal in the spring and early summer. The Inlet was visited regularly during the 18th and 19th centuries by those seeking the Northwest Passage to the East. The Inlet was visited frequently as European exploration began to build in the search for the Northwest Passage. The Hudson Bay Company and the Roman Catholic Mission established posts in 1912. Before this time, there were no trading stations on the Keewatin coast north of Churchill. Trade was carried on by sloops and schooners along the coast.

Chesterfield Inlet steadily grew in importance as a religious, medical, and educational centre. After 1912, groups of Netsilingmiut migrated from the Foxe Basin to join the small group of Karnilmiut who had traditionally lived in the area. The Federal Government hired a resident doctor in 1929 and by 1931 the new hospital had effectively made Chesterfield the regional medical headquarters.

The Roman Catholic Mission ran a large school/hostel between 1954 and 1969, bringing school children from across the Arctic for ten or eleven month periods each year. Chesterfield Inlet has declined as an educational centre now that most communities have schools.

The Hamlet maintains a very traditional economy; private sector development is limited. Major economic activities include hunting, trapping, carving, and some commercial fishing. Tourism activities focus on char fishing expeditions. Some local businesses include construction, taxi service, general retail, food service, and hotels.

Chesterfield Inlet gained Hamlet status on April 1, 1980. "Igluligaarjuk" is a traditional name for the Hamlet, meaning 'place with few houses'.

5.6 GENERAL DEMOGRAPHIC INFORMATION

The population of Chesterfield Inlet, 372 (2000), is rising at a rate of 2.27% per year. It is projected that the population will reach 420 in 2005, 476 in 2010 and 583 in 2020. The population by ethnic distribution is 94% Inuit and 6% non-aboriginal. The population by age and sex distribution is as follows: 0-4 (15%), 5-14 (25%), 15-64 (58%), 65+ (2%); 51% male and 49% female.

5.7 TRANSPORTATION AND ACCESS

The GN and the Hamlet jointly operate a 914 m x 30 m certified Arctic 'C' gravel runway. Facilities and services include a terminal building, navigational aids and weather reading equipment. Scheduled flight service is available via Rankin Inlet. An unlicensed water aerodrome provides float plane access. Break-up is at the end of May and freeze-up is in mid-October.

Marine service is available from the Northern Transportation Company Ltd. via Churchill. Facilities include beach access, a deep water port, a pushout for dry cargo and an offshore anchorage for POL discharge.

There is no all-weather road to Chesterfield Inlet. Within the community there are 11 km of gravel surface roads. Calcium chloride is applied annually to 3 km of road to act as a dust suppressant and surface stabilizing agent.

Snowdrifting problems on the access roads have been given priority in the Hamlet's program of snow clearing. The severity of the problem has been considerably reduced by the construction of initial sections of snowfencing on the north-western side of the community.