



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

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Land Administration

P.O. Box 100

IQALUIT, NU X0A 0H0

Phone: 867-975-4275

FAX: 867-975-4286

Your file - Votre référence

Our file - Notre référence

June 25, 2009

Brian Aglukark
Nunavut Planning Commission
P.O. Box 419
Arviat, NU
X0C 0E0

Dear Mr. Aglukark,

Re: Land Use Permit Application #N2009N0010
Type of Operation: Geological Research
Location: Ellef Ringnes Island, Baffin, NTS 069E

Pursuant to Article 11.5.10 of the Nunavut Land Claim Agreement, I am forwarding the above Land Use Application for you review against the North Baffin Regional Land Use Plans. All future correspondence produced by you office should be copied to this office and refer to file number N2009N0010.

This application is considered a CLASS A Land Use Permit application. Please advise this office once you have determined whether or not this application conforms with the above mentioned land use plan, so that we may formally accept or reject the application. This will enable us to advise the applicant of your decision as well as advise the NIRB of time frames for when their environmental screening will be due, should you decide to forward this application for their review.

Yours truly,

Brian O'Mara
A/Land Administrator Specialist
Land Administration

cc: Manager, Field Operations
RMO - Baffin RMO

Canada

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June 25, 2009

Geological Survey of Canada
601 Booth Street
Ottawa, Ontario
K1A 0E8

Dear Mr. Dewing:

RE: Application for Land Use Permit #N2009N0010
Type of Operation: Geological Research
Location: Ellef Ringnes Island, Baffin, NTS 069E

This is to inform you that the North Baffin Land Use Plan came into effect on June 20, 2000. Therefore, pursuant to Article 11.5.10 of the Nunavut Land Claim Agreement, all applications for project proposals falling within the areas covered by this plan must be reviewed by the Nunavut Planning Commission (NPC) to determine conformity with the plans before they can be accepted by this department.

Although it is not being accepted by this department at this time, we have issued an application number in order that we may keep a record of your application.

Once we receive a reply from the NPC, you will be advised on whether or not your application may be accepted by this department.

Yours truly,

Brian O'Mara
A/Lands Administrator Specialist
Land Administration

cc: Manager, Field Operations
RMO - Baffin RMO
NPC

Canada

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Brian O'Mara - Fw: Land Use Permit Application- Ellef Ringnes Island

From: Spencer Dewar
To: Brian O'Mara
Date: 6/24/2009 4:54 PM
Subject: Fw: Land Use Permit Application- Ellef Ringnes Island
Attachments: Land Use Permit Application- Ellef Ringnes Island

Hi Spencer

Keith Dewing requested I send you the attached permit application. There wasn't a lot of room on the form so we have attached a Word document that should include the information you require.

Can you please advise how we should process the \$200 application fee? If you accept MasterCard I can give you my card number and you could process it that way? Please let me know which form of payment works best.

Thank you,

Marlene

Marlene Francis
Administrative Assistant
Natural Resources Canada
GSC Calgary
P: 403-292-7080
F: 403-292-6014



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APPLICATION FOR LAND USE PERMIT

FOR OFFICE USE ONLY - RÉSERVÉ AU BUREAU					
Application fee	Land use fee	General receipt no.	Date	Class	Permit no.

To be completed by all applicants

☒ New application

☐ Amendment

1. Applicant's name and mailing address (Full name, no initials)

KEITH DEWING
GEOLOGICAL SURVEY OF CANADA
3303-33rd St NW Calgary AB T2L 2A7

Fax no.

403-292-4961

Telephone no.

403-292-7195

2. Head office address

601 Bloor Street
Ottawa ON
K1A 0E8

Fax no.

613-992-5694

Telephone no.

613-952-4704

Field supervisor

Steve Grubby

Radio telephone

E-Mail address

Sgrubby@NRCan.gc.ca

Telephone no.

3. Other personnel (subcontractor, contractors, company staff, etc.)

See attached sheets

TOTAL:

4. Qualifications

Refer to Section 21 of the Territorial Land Use Regulations

a(i) ☐ a(ii) ☐ a(iii) ☐ b ☐ c ☐

Note: exploration permit mineral claims (if applicable)

N/A

5. a) Summary of operation (Describe purpose, nature and location of all activities.)

Refer to Section 22(2)(b) of the Territorial Land Use Regulations (Use last page of form if necessary.)

b) Please indicate if a camp is to be set up (Use last page to provide details.)

6. Summary of potential environmental and resource impacts

(Describe the effects of the proposed program on land, water, flora and fauna and related socio-economic areas.)
(Use separate pages if necessary.)



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APPLICATION FOR LAND USE PERMIT

14. Period of operation (Includes time to cover all phases of project work applied for, including restoration.)					
15. Period of permit (Up to two years, with maximum of one year extension.)		Start date YYYY/MM/DD		Completion date YYYY/MM/DD	
16. Location of activities by map co-ordinates (Attached maps and sketches.)					
Minimum Latitude		Minimum Longitude			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
Maximum Latitude		Maximum Longitude			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

Map sheet no.

17. Applicant (Print full name) KEITH DEWING	Signature <i>Keith Dewing</i>	Date June 23 2009
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18. Fees	<input checked="" type="checkbox"/> Class A - \$150	<input type="checkbox"/> Class B - \$150	\$ 150.00
Land Use Fees:	Less than or equal to 2 hectares	\$50.00	\$ 50.00
	For each additional hectare over 2 hectares or portion of a hectare	X \$50.00 =	\$
Total application and land use fees			\$ 200.00

FOR OFFICE USE ONLY

19. Calculation of area involved (Includes access, staging areas, airstrips, campsites, etc.)		
Total area (Ha)	Less than or equal to 2 hectares	TOTAL (For fee calculation)

20. Application checklist	
a) <input checked="" type="checkbox"/> Application signed and dated	e) <input type="checkbox"/> Screening report
b) <input checked="" type="checkbox"/> Fees attached	f) <input type="checkbox"/> Timber permit applied for - Yukon
c) <input checked="" type="checkbox"/> Map included	g) <input type="checkbox"/> Fees attached
d) <input checked="" type="checkbox"/> Address and telephone number	h) <input type="checkbox"/> Lease applied for

Accepted by	Date
Remarks (Please use last page if additional space is required.)	

**Indian and Northern Affairs Canada
Application for Landuse permit – June 15, 2009**

Contact Name and Address:

Keith Dewing
Geological Survey of Canada
3303-33rd St NW
Calgary AB T2L 2A7
Tel. 403-292-7135
Fax. 403-292-4961
Email. kdewing@NRCan.gc.ca

Head Office Address:

601 Booth Street
Ottawa, ON
K1A 0E8
Tel:613-992-5694
FAX:613-952-4704

Field Supervisor

Steve Grasby
Geological Survey of Canada
3303-33rd St NW
Calgary AB T2L 2A7
Tel. 403-292-7135
Fax. 403-292-4961
Email. sgrasby@NRCan.gc.ca

Members of the Team

Mike Kristjanson, Logistics Manager, Polar Continental Shelf Project, Resolute Bay
Steve Gordey, Research Scientist – Geological Survey of Canada, Vancouver
Thomas Hadfari, Research Scientist – Geological Survey of Canada, Calgary
Ashton Embry, Research Scientist – Geological Survey of Canada, Calgary
Student assistants, wildlife monitor, cook and pilot – TBD

Summary of Operations

The objective of the project is to better understand the geology of Ellef Ringnes Island through collection and analysis of rock specimens and geological mapping. Understanding the geology will provide useful information necessary for communities, aboriginal associations, and government to make land use decisions. Results may also assist oil, gas and mineral exploration activities. Natural Resources Canada, acting through the Geological Survey of Canada, has recently received funding for its Geo-mapping for Energy and Minerals (GEM) program. GEM will focus on mapping the Arctic and will use modern geological methods and standards to identify the potential for energy and mineral resources.

Ellef Ringnes Island was mapped at a regional scale in the 1960s but no follow-up work has been done by the GSC since. Panarctic Oils drilled 31 exploration wells in the vicinity of Ellef Ringnes in the 1970s and 1980s as well as shooting dozens of seismic lines. This information will be included in the mapping.

The 2010-2011 survey will consist of field traverses on foot and collection of hand-sized rock specimens from surface exposures. All collections will be completed with standard hand tools (hammer) as surface samples are easy to access. No digging or blasting will be required. Transport to and from the field will be by helicopter.

Base camp location

The project area is Ellef Ringnes Island in the region described by 77° 45' N to 79° 20' N and 98° 50' W to 105° W. There will be field camp required for the 2010-2011 project. Camp and fuel are proposed to be located at (or very close to) 78° 17' 15" N 99° 53' 08" W at the site of an abandoned Panarctic Hercules airstrip.

It is anticipated that between 700 and 800 person days will be spent in camp.

Fuel will be positioned by Polar Continental Shelf Project either in the fall of 2009 or spring of 2010, depending on aircraft availability and weather.

We plan to do our fieldwork from June 25 - August 10, 2010, and June 25 - August 10, 2011.

Summary of potential environmental and resource impacts.

Fuel will be stored in 45 gallon drums and surrounded by a berm. Potential impacts are spill or fire. Danger related to spills will be mitigated by a berm and suitable spill kit. Fire is considered a low possibility. Fire extinguishers are kept on hand and fueling is done at some distance from the main fuel cache. Drip pans will be used when refuelling.

The camp will consist of temporary shelters erected on the land. There will be tents for kitchen, office, and sleeping to accommodate up to 17 people. These shelters will be removed at the end of the survey in 2011. Water will be obtained from the nearby creek, if it is drinkable, or from melt pools on the sea ice if the creek is found to be too silty or sulphate rich. Garbage and sewage will be flown out. Grey water and urine will be disposed in a sump located in a suitable geological medium and 30 m away from any water body.

Potential impacts include disturbed vegetation and aircraft tire tracks. We will use an existing airstrip to minimize new disturbance.

The proposed geological survey will be ground based with travel by walking. Vegetation may be subjected to temporary trampling as a result from human travel by foot. The only other disturbance to the environment will be by our helicopter. We will make sure to avoid any birds and animals that we see and land in places that won't disturb vegetation. We will maintain a 2000 ft cruising altitude between camp and field sites to avoid animal disturbance. We will be collecting a small number of small (hand-size) rock specimens to take back to our laboratories for detailed analysis.

Restoration Plan

Fuel drums and berms will be removed at the end of the program. All field equipment and garbage will be removed at the end of the program.

Other rights, licences or permits

Application will be made to Nunavut Research Institute for the scientific components of the project. These will be screened by NIRB and the North Baffin Regional Planning Commission, and the Nunavut Water Board. This INAC application should trigger an NRCan Environmental Assessment.

Roads

No roads are involved in this application.

Proposal disposal methods:

- a) Garbage: Fly out
- b) Sewage (sanitary and grey water): Sump for grey water and sanitary
- c) Brush and Trees: N/A
- d) Overburden: N/A

Equipment:

Helicopter 206L for field set outs

Fuels

Diesel: None

Gasoline: One x 45 gal drum for generators

Aviation Fuel: 130 x 45 gallon drums

Propane: 10 x 20 lb cylinders

Containment fuel spill contingency plans

Danger related to spills will be mitigated by a berm and suitable spill kit. Fire is considered a low possibility. Fire extinguishers are kept on hand and fueling is done at some distance from the main fuel cache. Drip pans will be used when refueling.

Method of transfer

Fuel is transferred to the helicopter using an electric pump supplied with the helicopter.

Period of operation

Fuel positioned: between September 2009 and March 2010.

Fieldwork from June 25 - August 10, 2010, and June 25 - August 10, 2011.

Camp and drums removed by September 30, 2010.

Period of permit:

September 2009 to September 2011.

Location by map coordinates:

Camp and fuel are proposed to be located at (or very close to) 78° 17' 15" N 99° 53' 08" W.
NTS 069E/05

