



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

N 97C 753
APPLICATION FOR LAND USE PERMIT
DEMANDE DE PERMIS D'UTILISATION DES TERRES

Office use only - Réservé pour usage interne seulement

Application fee - Droits de demande de permis	Land use fee - Droits d'utilisation des terres	General receipt no. - N° de reçu	Date	Class - Catégorie	Permit no. - N° de permis
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To be completed by all applicants - A remplir par tous les requérants

1. Applicant's name and mailing address (Full name, no initials) - Nom et adresse du ou des requérant (s) (Nom au complet, pas d'initiales)

MONOPROS LIMITED
P.O. Box 2520
Yellowknife, NT X1A 2P8

Fax no. - N° de télécopieur

(403) 873-4532

Telephone no. - N° de téléphone

(403) 873-4530

2. Head office address - Adresse du siège social

MONOPROS LIMITED
Water Park Place
10 Bay Street - Suite 1510
Toronto, ON M5J 2R8

Fax no. - N° de télécopieur

(416) 363-4278

Telephone no. - N° de téléphone

(416) 363-2665

Field supervisor - Chef de chantier

Radio telephone - Téléphone-radio

Telephone no. - N° de téléphone

3. Other personnel (Subcontractor, contractors, company staff, etc.) - Autre personnel (Sous-traitants, entrepreneurs, personnel de société, etc.)

Boart Longyear Drilling (for diamond drilling); Great Slave Helicopters; G&G Expediting services; Monopros personnel for MHD drilling and for supervision of drill activity. (Monopros personnel currently includes one resident of Kugluktuk; contractor personnel includes one resident of Rankin Inlet.)

TOTAL: up to 12

4. Qualifications - Titres
refer to Section 21 - Territorial Land Use Regulations
consultez l'article 21 - du Règlement sur l'utilisation des terres territoriales

No (s) exploration permit mineral claims - if applicable
N°(s) des permis d'exploration minière, s'il y a lieu

71 KL mineral claims owned by Monopros [See #8].

a(i) ☒ a(ii) ☐ a(iii) ☐ b ☐ c ☐

a) Summary of operation (Describe purpose, nature and location of all activities - refer to Section 22 (2) (b) - Territorial Land Use Regulations). (Use last page of form if additional room is required).
Résumé des opérations (exposez le but, la nature ainsi que l'emplacement de toutes les activités - consultez l'article 22 (2) b) - du Règlement sur l'utilisation des terres territoriales). Utilisez la dernière page du formulaire si vous avez besoin d'espace supplémentaire.

Purpose: Drilling 4 targets on identified anomalies to produce core samples of kimberlite for analysis, by means of a small heli-portable reverse circulation air-flush (MHD) drill. If a target can't be reached any other way, we would mobilise a core pig onto the site. RC-drilled targets would be no deeper than 40 metres; the wire-line drill would cut small-diameter holes averaging 150-200 metres deep. (See attached for hole locations.) A small fuel cache will be established in 86P/03 to support the operation. (See below).

No activities will occur on Inuit Owned (private) Lands.

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

The programme will be supported from an existing camp in 76E/13 (65°58' 35" - 111°44' 53"), authorised under Kitikmeot Inuit Association Permit #196C096.

6. Summary of potential environmental and resource impacts (Describe the effects of the proposed program on land, water, flora & fauna and related socio-economic areas (Use separate pages if necessary)
Résumé des conséquences possibles sur l'environnement et les ressources (décrire les effets du programme proposé sur les terres, l'eau, la flore et la faune et les domaines socio-économiques connexes (Utilisez des pages supplémentaires au besoin)

An RC drill does not require water. If a core drill is required, all solid cuttings will be settled out into tanks; no suspended solids will be deposited into a water course. Drill fluids will be recirculated to minimise the amount of water required. Sealed barrels of fuel will be utilised to minimise any potential impact, such as spillage at cache or drill sites. Moving drills by helicopter minimises land and wildlife disturbance. Jet B fuel will be properly and securely cached. It is planned to cache the fuel beside a large unnamed lake which intersects claim KL 12; the location (as shown on an accompanying map) is: 67°02' - 113°10'.

sites will be cleaned up and restored upon project completion, so as to mitigate any effect upon lands or wildlife.

All sites utilised will be cleaned up and restored to their pre-operation condition. Garbage will be removed regularly. All gear and equipment and any remaining refuse will be removed upon completion of the drilling programme.

8. Other rights, licences or permits related to this permit application (mineral claims, timber permits, water licences, etc.)
Autres droits, autorisations ou permis associés à cette demande de permis (claims miniers, permis de coupe, permis d'exploitation hydraulique, etc.)

Monopros holds the surface rights to a block of claims known as the Kiker Lake property; 15 claims within this block are situated in 86P/03. Of the 15 claims, drilling is planned to occur with claims KL 11 and KL 12.

Roads: ☐ Is this to be a pioneered road?
Routes: ☐ Please provide details on back page
La route doit-elle être aménagée? ☐ Has the route been laid out or ground truthed?
Donnez les détails sur la dernière page ☐ Le tracé a-t-il été établi et le terrain nivelé? ☐ Has funding been applied for i.e. RTAP?
Avez-vous demandé du financement?

9. Proposed disposal methods - Méthodes d'élimination proposées

- a) Garbage: To be removed regularly from drill sites by air.
Ordures :
b) Sewage (Sanitary & Grey Water):
Eaux usées (Eaux d'égout et eaux ménagères)
c) Brush & trees:
Broussailles et arbres:
d) Overburden (Organic soils, waste material, etc.):
Terrain de recouvrement: (Dépôts organiques, déchets, etc.)

All drill cuttings will be disposed of on land at least 30 metres from any water course.

10. Equipment (includes drills, pumps, etc.) (Please use last page if required)
Matériel (comprend foreuses, pompes, etc.) (Utilisez la dernière page au besoin)

Type & Number - Type et nombre	Size - Dimension	Proposed use - Utilisation proposée
MHD air-flush drill -- 1.	Portable by helicopter.	Drill and recover core to a depth not exceeding 40 m.
Longyear 38 core drill -- 1.	Fly 38- wire line.	Drill and recover core samples on lake targets.
Bell 204 helicopter or equivalent -- 1.	204	To move drill.
Hel 500D helicopter or equivalent -- 1.	500D	To move drill parts and personnel.

Fuels - Combustibles	(#)	Number of containers - Nombre de réservoirs	Capacity of containers - Capacité des réservoirs
• Diesel		(10)	" " "
• Gasoline - Essence		(2)	45-gallon drums
• Aviation Fuel - Carburant aviation		Jet B (20)	" " "
• Propane			
• Other			

11. Containment fuel spill contingency plans (Please attach separate contingency plan if necessary)
Plans d'urgence d'isolement de carburant en cas de déversement (veuillez joindre un plan d'urgence distinct au besoin)

Sealed barrels of fuel will be used to minimise potential impact. Where spillage occurs, any effected soil will be removed and disposed of in an approved site. Absorbent pads will be kept ready in areas where fuel is transferred.

12. Methods of fuel transfer (To other tanks, vehicles, etc.) - Méthodes de transfert des combustibles (vers d'autres réservoirs, véhicules, etc.)

Electric pump (grounded) or hand woggle pump at drill sites.

Period of operation (includes time to cover all phases of project work applied for, including restoration)
Période d'opération (comprend toute période du début à la fin des projets, y compris la remise en état)

The project has been planned to take place between mid-June and late November, 1997.

Period of permit (up to two years, with maximum of one year extension) Période du permis (valable pour une durée de deux ans et prolongation maximale d'un an)	Start date - Date du début du projet 15 JUNE 97	Completion date - Date d'achèvement 14 JUNE 99
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Location of activities by map co-ordinates (attached maps and sketches) Emplacement des activités selon les coordonnées géographiques (cartes et esquisses ci-jointes)			
Lat Deg 67°	MIN Lat Min 00'	MAX Lat Deg 67°	MAX Lat Min 15'
Long Deg 113°	MIN Long Min 00'	MAX Long Deg 113°	MAX Long Min 25'

Sheet No. / da feuille de carte 86 P/03

Applicant - Requérent
Name in full - Écrire votre nom au complet en lettres majuscules
SHIRLEY PEISTER
Signature
09 May 1997
Date

Fees - Droits
☒ Class A \$150.00 ☐ Class B \$150.00
Land use fees: 2 Hectare @ \$50.00 = \$ 50.00
Droits d'utilisation des terres (Less than or equal to 2 ha.)
Hectare @ \$50.00 = \$
(Each additional ha. or portion of a ha. in excess of 2 ha.)
Total Application and Land Use Fees = \$ 200.00

For use only - Réserve pour usage interne seulement

Calculation of area involved (includes access, staging areas, airstrips, campsites, etc.)
Calcul des aires en cause (comprend l'accès, les aires de transit, les pistes d'atterrissage, les camps, etc.)

Area (Ha) / Aire totale TOTAL (For fee calculation) (aux fins du calcul des droits)

Application checklist - Vérification de la demande

a) ☐ Application signed and dated Demande signée et datée	c) ☐ Timber permit applied for Permis de coupe du bois demandé
b) ☐ Fees attached Droits joints	e) ☐ Fees attached Droits joints
d) ☐ Map included Carte incluse	h) ☐ Lease applied for Bail demandé
f) ☐ Address and telephone number Adresse et numéro de téléphone	
g) ☐ Screening report Rapport d'examen	

Accepted by - Acceptée par Date

Remarks - Remarques

(1)

Baroid Drilling Fluids Products

EZ-MUD®

For Low Solids Drilling Fluids

EZ-MUD® is a white liquid, anionic polymer emulsion which is readily soluble in fresh or brackish water. EZ-MUD may be used to prepare a solids-free drilling fluid with exceptional hole stabilizing properties, or to improve the properties of low-solids QUIK-GEL® fluids and air/foam injection fluids. EZ-MUD drilling fluids are applicable to all types of drilling operations, including:

Water Wells
Diamond Coring
Minerals Exploration
Seismograph Shot Holes

Blast Holes
Monitor/Observation Holes
Soils and Foundation Investigations
Disposal/Injection Wells

Recommended Uses

EZ-MUD® can be used in plain water, in QUIK-GEL®/bentonite muds and in air/foam injection to:

Stabilize water-sensitive formations that swell, cave or disintegrate in ordinary drilling fluids.

Prevent mud rings, bit balling and booting-off in clay formations.

Reduce drill pipe torque and pumping pressure.

Eliminate rod chatter in diamond core drilling.

Improve properties of drilling fluids.

Major Advantages

Easy to mix. EZ-MUD® yields rapidly and completely with minimum shear.

Settles cuttings rapidly in pits. Prevents recirculation of drilled cuttings.

Lubricity. Reduces drillpipe torque and circulating pressure.

Clay-shale stability. Prevents swelling and disintegration of formation and gouge zone clays and shales.

Compatible with bentonite. Improves properties of QUIK-GEL®/bentonite mud.

Viscosifier. Rapid and efficient thickener to improve hole cleaning, control rod chatter in diamond core drilling, and stability in fractured sections of hole.

Non-toxic. Proven suitable for use in drilling potable water wells.

Non-fermenting. Not susceptible to loss of properties due to microorganic degradation. Biotides not required.

Filtration control. Effectively lowers water loss in QUIK-GEL®/bentonite and other drilling mud systems.

Cost effective. Small amounts produce desired results. Liquid form insures complete utilization of all EZ-MUD added.

Stable. EZ-MUD is not subject to shear break-down characteristic of other polymers.

KCl salt addition. 3% by weight KCl can be added to enhance shale stabilization.

Non-damaging to producing formations. EZ-MUD is water-soluble.

Breaks down to water viscosity with sodium hypochlorite (Clorox®) treatment during well sterilization, 2 to 3 quarts per 100 gallons.

Do not use HTH.

Note: Use only non-perfumed Clorox.

Recommended Treatment

2

	Quarts Per 100 gal	Pints Per bbl	Liters Per m ³
Added to Fresh Water			
To formulate a solids-free drilling fluid			
• to stabilize water sensitive formations	1	1	2.5
• to stop rod vibration, reduce torque and pressure, increase hole stability	1.5	1.25	3.75
Added to QUIK-GEL®/Bentonite Drilling Mud			
To improve properties & performance:			
• better hole cleaning, thinner filter cake, increased hole stability	0.5	0.5	1.25
Added to Injection Liquid in Air/Foam Drilling			
To improve foam performance and hole conditions	0.5-1	0.5-1	1.25-2.5
Added to 3% KCl Drilling Fluids			
To improve performance and quality	2	1.75	5

Method of Addition

For best results:

- Mix through jet or mechanical hopper, no faster than 2 minutes per gallon.
- Mix with fresh water. Pretreat calcium with soda ash. Adjust to pH of 7.0 to 10.0.
- EZ-MUD® can be broken down with clorox (sodium hypochlorite). Use 0.5 gallons (not to exceed 0.7 gallons) Clorox per 100 gallons of EZ-MUD drilling fluid.

Environmental Information

EZ-MUD® is safe to use in any drilling operation, including potable water well, when added in recommended concentrations.

EZ-MUD has been found non-toxic when fed to animals in laboratory tests. No mortality was observed when fed to rats at levels of more than five thousand milligrams/kilogram of body weight.

EZ-MUD, in water solution, is odorless, colorless and tasteless. EZ-MUD does not ferment to produce objectionable odors, flavors or other undesirable results.

Physical Characteristics

Form: Opaque white to gray suspension, minimal syneresis.

Density: 8.8 lb/gal.

Packaging

EZ-MUD® is packaged in a five-gallon (U.S.) (18.9-liter) closed-top, high impact plastic container with a screw-on cap and carrying handle. EZ-MUD is also packaged in cardboard cartons containing four (4) one-gallon (3.8-liter) plastic jugs.

Availability

EZ-MUD® may be purchased through any Baroid Service Center, QUIK-GEL® Retailers, or from the Houston Customer Service Department.