



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

APPLICATION FOR LAND USE PERMIT
DEMANDE DE PERMIS D'UTILISATION DES TERRES

Office use only - Réserve pour usage interne seulement

Land use 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 - À 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)

Phelps Dodge Corporation of Canada, Limited
223 - 530 Century St.
Winnipeg, MB
R3H 0Y4

Fax no. - N° de télécopieur

204-774-3304

Telephone no. - N° de téléphone

204-772-0773

2. Head office address - Adresse du siège social

Phelps Dodge Corporation of Canada, Limited
912 - 120 Adelaide St. W
Toronto - Ont.
M5H 1T1

Fax no. - N° de télécopieur

416-594-0355

Telephone no. - N° de téléphone

416-594-0351

Field supervisor - Chef de chantier

Radio telephone - Téléphone-radio

Telephone no. - N° de téléphone

204-772-0773

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

TOTAL:

Major Midwest Drilling 6
Phelps Dodge Exploration 2
Custom Helicopters 1
Total 9

estimate 9 x 22 days = 198 man days

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

a(i) ☐ a(ii) ☐ a(iii) ☐ b ☐ c ☐

Mineral Claims NOT 1-11
Full listing is attached

5. 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).

see attachment

b) Please indicate if a camp is to be set up (Use last page to provide details).
Indiquez si un camp doit être aménagé (Utilisez la dernière page pour donner des détails).

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).

see attachment

7. Proposed restoration plans (please use last page if required) - Plans proposés de remise en état des terres (au besoin, utilisez la dernière page)

See attachment

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.)

~~None~~ Navigator Exploration Land Use Permit No. N1999C005
which covers Navigator's Camp.

Roads: ☒ None ☐ Is this to be a pioneered road? Please provide details on back page. La route doit-elle être aménagée? Donnez les détails sur la dernière page.
Routes: ☐ Has the route been laid out or ground truthed? Le tracé a-t-il été établi et le terrain nivelé?
☐ Has funding been applied for the RTAP? Avez-vous demandé du financement?

9. Proposed disposal methods - Méthodes d'élimination proposées

- a) Garbage: *Burn and remove to nearest supply point - probably Aerial*
Ordures :
b) Sewage (Sanitary & Grey Water): *Barrel for Sanitary Sewage and a sump for Grey Water.*
Eaux usées (Eaux d'égout et eaux ménagères)
c) Brush & trees: *Brush & trees*
d) Overburden (Organic soils, waste material, etc.): *Terrain de recouvrement: (Dépôts organiques, déchets, etc.)*

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
<i>Boyles 17A Diamond Drill</i>	<i>5000 lbs</i>	<i>Drilling 9 holes - 1000 meters</i>
<i>Helicopter Bell 206B</i>		<i>Mop, service drill and crew transport</i>

11.	Fuels - Combustibles	(N)	Number of containers - Nombre de réservoirs	Capacity of containers - Capacité des réservoirs
	• Diesel		<i>50 drums</i>	<i>45 gallon drums.</i>
	• Gasoline - Essence		<i>1 drum</i>	<i>"</i>
	• Aviation Fuel - Carburant aviation		<i>35 drums</i>	<i>"</i>
	• Propane		<i>3 cylinders</i>	<i>100 lb</i>
	• Other			

12. 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)

With the use of 45 gal. drums for fuel storage any single fuel spill is expected to be less than 45 gals. We plan to use Matsorb matting to help contain potential spills and mop up any incidental spillage.

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

The helicopter will pump fuel direct from the drums into its tank. The drill fuel will also be transfer directly from the drums to the tanks by hand operated mechanical pump.

14. 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)

Feb. 15, 2000 to July 15, 2000

15. 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

Completion date - Date d'achèvement

02/15/00

02/15/01

18. Location of activities by map co-ordinates (attached maps and sketches)
Emplacement des activités selon les coordonnées géographiques (cartes et esquisses ci-jointes)

MN Lat Deg

MN Lat Min

MAX Lat Deg

MAX Lat Min

MN Long Deg

MN Long Min

MAX Long Deg

MAX Long Min

Map Sheet No.
N° de feuille de carte

656-15

17. Applicant - Requérant

Print name in full - Écrire votre nom au complet en lettres moulées

Signature

Date

18. Fees - Droits

☐Class A \$ 20.00
Catégorie☒Class B \$ 150.00
Catégorie

Land use fees:

Droits d'utilisation des terres

2

Hectare

Hectare

50.00

\$ 50.00 =

\$

100.00

Hectare

Hectare

\$ 12.00 =

\$

(Above 85 N - au-dessus de 85)

Total application and land use fees

Total des droits de demande de permis et d'utilisation des terres

\$ 250.00

Office use only - Réserve pour usage interne seulement

19. 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.)

Total area (Ha)
Superficie totaleLess 2 hectares
Moins 2 hectares (-2)TOTAL (if or fee calculation)
(aux fins du calcul des droits)

20. Application checklist - Vérification de la demande

a)

☐Application signed and dated
Demande signée et datée

f)

☐Timber permit applied for
Permis de coupe du bois demandé

b)

☐Fees attached
Droits ci-joints

g)

☐Fees attached
Droits ci-joints

c)

☐Map included
Carte incluse

h)

☐Lease applied for
Bail demandé

d)

☐Address and telephone number
Adresse et numéro de téléphone

e)

☐Screening report
Rapport d'examen

Accepted by - Acceptée par

Date

Remarks - Remarques

NOWYAK LAKE PROPERTY**Claim List**

Name	Claim #	Size (acres)	Recording Date	Expiry Date	Assess. Required
NOK 1	F63801	619.8	Sept. 22/98	Sept. 22/00	2,479.20
NOK 2	F66927	2375	April 13/99	April 13/01	9,500.00
NOK 3	F66928	1783	April 13/99	April 13/01	7,132.00
NOK 4	F66929	403	April 13/99	April 13/01	1,612.00
NOK 5	F66930	1524	April 13/99	April 13/01	6,096.00
NOK 6	F66931	934	April 13/99	April 13/01	3,736.00
NOK 7	F66932	1072	April 13/99	April 13/01	4,288.00
NOK 8	F66933	2451	April 13/99	April 13/01	9,804.00
NOK 9	F66934	1591	April 13/99	April 13/01	6,364.00
NOK 10	F66935	2582.5	April 13/99	April 13/01	10,330.00
NOK 11	F66936	2160	April 13/99	April 13/01	8,640.00
		17,495.3			69,981.20

Nowyak Project

Attachment for inclusion with the Land Use Permit Application.

Section 5 a & b : Spring Drilling Program - 2000

The drilling program will involve the drilling of 9 holes for a total of 1000 m. The program will begin with the fuel haul from Arviat to Navigator Exploration's camp at the north end of Nowyak Lake. Navigator have allowed Phelps Dodge the use of their camp. Eskimo Point Lumber & Supply will haul 50 drums of diesel, 35 drums of Jet B, and 1 drum of gasoline along with 3 cylinders of propane and 30 (20 kg) bags of calcium chloride for Arviat overland using Terra-Flex machines. The fuel haul is expected to begin some time after Feb. 15.

The actual drilling program will begin on or about April 1, 2000 with the mobilization of the drill crew by air from Points North Landing in Saskatchewan. The crew will consist of 9 people. Phelps Dodge will have a project geologist and one assistant on site. Midwest Drilling will provide a drill crew of 6 including a cook and foreman. There will also be a Bell 206 B helicopter (Custom Helicopters or Arctic Sunwest) pilot. The drill rig is currently stored at Navigator's camp. The drill area is 12 kms SW of the camp. All drill moves including the initial one from the camp to the drill area will be done using the helicopter.

The drill area is contained in an area 1000 m x 1000 m. Water for the drill will be drawn from two lakes located 400 to 500 meters from the nearest drill holes. The main drilling fluid will heated water (fuel oil fired coil stoves will be used) without additives. Calcium chloride will be used only when and as needed. All of the holes will be drilled on land. There is therefore no plan to recycle the water or remove the drill cuttings. The core will be logged, sampled, and stored at the camp site. All casing will be removed from the drill holes. The drilling program including demobilization of the drill and fuel drums is expected to be complete by May 15, 2000.

At the end of the drill program plans have been made to have the drill and all the drilling equipment flown out to Points North Landing or other location as directed by the drill company. The empty drums will be flown back to Arviat. Navigator Exploration will remain responsible for the camp.

Section 6: Summary of potential environmental and resource impacts.

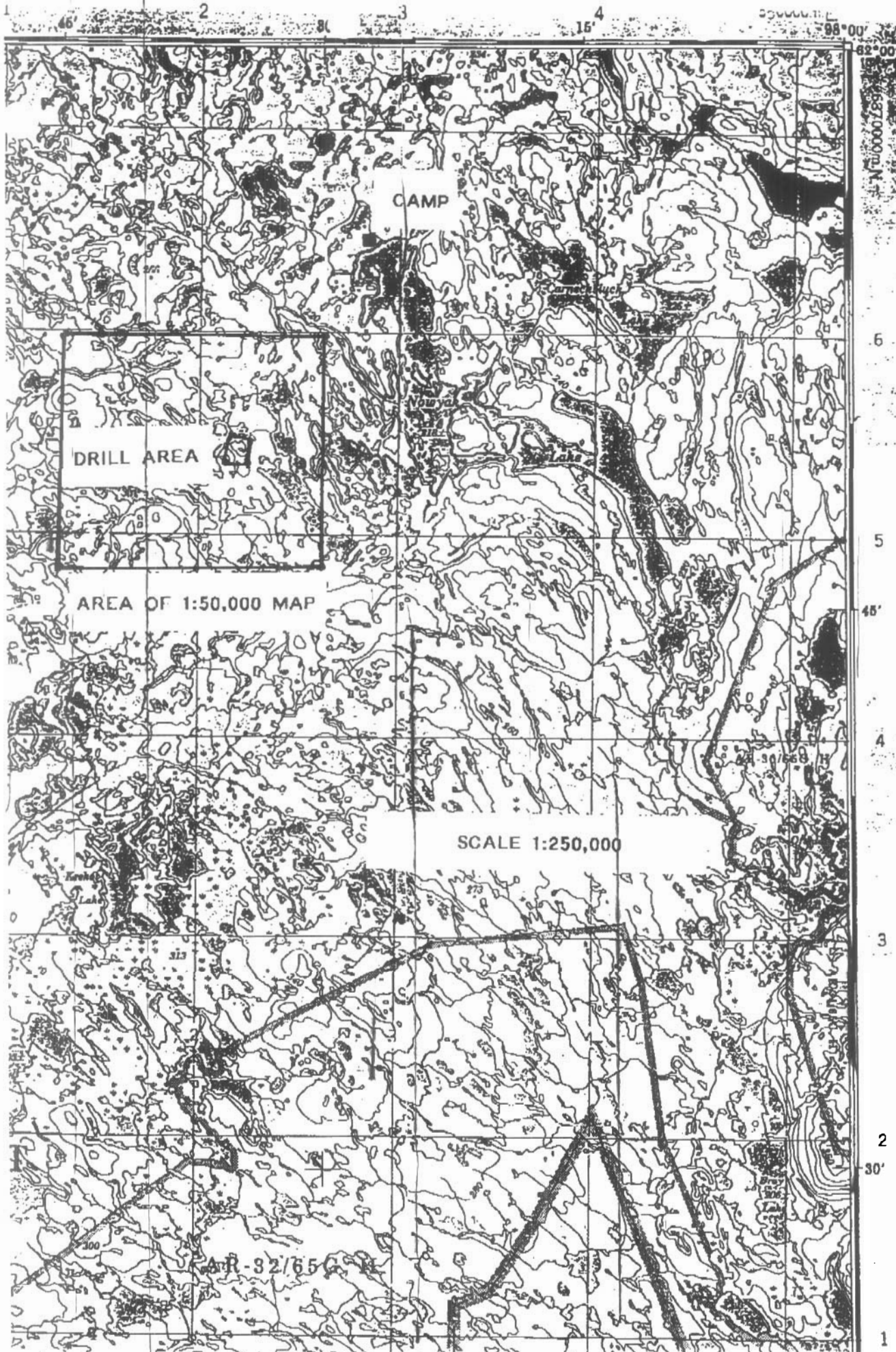
The environmental impact is expected to be minimal. The biggest impact will be the drill cuttings which will left on site. If calcium chloride has to be used in the drill water to keep a drill hole from freezing up then this chloride laden water will allowed to run onto the land. Both the drill cuttings and the calcium chloride water will result in the destruction of some of the plants (moss, grasses, and small shrubs) in the immediate vicinity of the drill holes. There is also some risk of the spillage of small amounts (a few liters) of drill fuel and grease. The maximum area so affected at each drill site should be

about 10 meters x 10 meters in area. We plan on drilling 9 holes, thus the total area affected is estimated at 9 x 100 sq. m or 900 sq. meters.

The impact on the animal life in the area is expected to be minimal. Both the drill area and the camp are not within any caribou calving grounds. No large herds of caribou have been seen in the area nor have we seen any large herd migrations through the area.

Section 7: Proposed Restoration Plans

Because the drilling is to take place in the spring with snow still on the ground, any restoration will have to wait until the summer when the snow cover has melted. In the summer, probably during July, a two man crew will visit all drill sites to pick any remaining garbage or equipment that may have been lost. If necessary any remaining drill cuttings could be contained and buried at the same time.



Military
refer to the
Reference d
pour usag

THE LIMITS
LAND CLAIM
APPROXIMA
LIMITS OF
APRIL 1, 1999

LES LIMITES
SITUÉES À
DES REVE
APPROXIMA
TERRITOIRE
ADOPTÉES L

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