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NUNAVUT WATER BOARD LA
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WATER LICENCE APPLICATION FORM

Application for: (check one)		CH CH	
New Amendment X Rene	walAssignment	BRD	and the state of the state of
LICENCE NO: (for NWB use only)			The second second second
1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE lan Neill 309 Court St. South Thunder Bay, Ontario P7B-2Y1 Phone: 604-759-0473 Fax: 807-345-0284 e-mail: ian.neill@wolfdenresources.com	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) Wolfden Resources 309 Court St. South Thunder Bay, Ontario P7B 2Y1 Phone: 807-346-1668 Fax: 807-345-0284 e-mail: sandrarickard@wolfdenresources.com	APR 2	it Water ard 7 2005 Registry
the Undertaking) High Lake is located approximately 550 km North-NorthLatitude: 67 22' 42" Longitude: 110 50' 22" NT 4. DESCRIPTION OF UNDERTAKING (attach	TS Map No. <u>76M/7</u> Scale <u>50:000</u>		
The main water using components of the undertaking water to 3 diamond drill units. The attached map show locations of the proposed regions for surface drilling, geophysics will also be conducted in the region. Person support staff will be based from the camp at High Lake	include the operation of a 35 man camp and the sur ws the location of the existing camp and the approximal Proposed drilling will total about 20,000 m. Surface connel for both of these undertakings as well as approximately	mate e	
Other planned activities for the coming field season in Transport to site and storage of fuel for operations Transport of drill core to camp for logging, sampling, a Inspection and reclamation of drill set-ups upon drill h Camp clean up and reclamation including some const	nd storage ole completion		
5. TYPE OF PRIMARY UNDERTAKING (A surfor undertakings listed in "bold")	applementary questionnaire <u>must</u> be submitted with the	application	
Industrial	Agricultural		
Mining and Milling	Conservation		
Municipal (includes camps/lodges)	Recreational		
Power See Schedule II of Northwest Territories Waters Regular	Miscellaneous (includes exploration/drilling) (describe):exploration drilling and supportitions for Description of Undertakings	ing camp	

Effective January 1, 2004

THE OWNER WHEN					
6.	WATER USE				
X	To obtain water	To divert a watercourse			
	To modify the bed or bank of a watercourse	Flood control			
X	To alter the flow of, or store, water	N 48 55 Lenk 15			
Δ	22-71 Address (80 70 50-0)	Other (describe):			
-	To cross a watercourse				
Wate	er will be used to supply the drills and camp (showers	, kitchen, laundry, rock saw). This will necessitate the			
	porary storage of water in large tanks located at the d				
		2			
7.	QUANTITY OF WATER INVOLVED (cubic me	tres per day including both quantity to be used and quality to be			
retur	ned to source)				
100	m ³ (this is an increase from the last permitted amoun	t which was 60)			
90 9	6 of water would be returned to local sources after pa	ssing through settling sumps and ground filtration			
		per day. This amount is consumed downhole at the bit face			
		ip the hole where it is contained, settled in tanks to remove			
	particulate matter, and re-cycled in a closed circulation oximately	on system. For 3 drills operating in other words,			
	20m ³ will be consumed per day.				
	in ac conduited per day.				
	The camp will use an estimated 5m³ per day. Grey water generated by the kitchen, the showers, and the laundry				
	ities is collected and settled in a tank before being pu	imped to a natural sump behind camp. This allows			
perc	olation and filtration through the soil to occur.				
8.	WASTE (for each type of waste describe: compositi	on, quantity (cubic metres per day), methods of treatment and			
100000	osal, etc.)	, 1, (
X	Sewage - Pacto toilets are used containing all human	waste in doubled plastic bags which are collected daily and			
incinerated along with other burnable solid and semi solid wastes.					
V -					
		d in tanks and then pumped to a natural sump behind camp			
and approximately 100 m. from the nearest water body. This water is from the kitchen sink, dry sinks, and showers and will contain at times small food particles, animal fats, and soap/shampoo residues.					
(1000)		,			
X Sludges – approx 75m ³ of water is circulated through the closed systems of the 3 drills during a day of drilling.					
Cuttings and sludges are settled in tanks and then sludge is bagged for disposal and disposed of in natural sumps					
		hole may produce up to 1m ³ of this material for disposal.			
	used occasionally down the hole to prevent freezing is ituent of these sludges.	sufficiently diluted by water to be insignificant as a			
CONS	reading of choose studges.				
ΧV	Vaste oil - waste oil is collected and stored in sealed 4	5 gallon drums clearly marked as to their contents and			
	ved from site by aircraft to be disposed of in Yellowkn				
		nd stored in 45 gallon drums which are wired shut and then			
remo	ved from the site by aircraft to be disposed of in Yello	wknife at the refuse facility.			
V	alid Wasts. All humable solid wasts is inciparated in	a diesel fired forced air furnace located onsite and capable			
of dis	nosing 64 Kg of waste/hour. (rating as listed on furn	ace supplied from Westland Incinerators) This waste			
inclu	des kitchen wastes, sewage, paper and cardboard, ar	ly fuel or oil soaked materials and plastics. An estimated 6			
large	garbage bags of waste are incinerated on a daily bas	is. Ashes and any un-burned material are removed on a			
daily	basis and added to the 45 gallon drums that contain	scrap metal for removal from site.			
V	and Matarials No beautiful and a second	and or made use of angite with the evention of land asid			
	azardous Materiais – No nazardous materiais are store ries and petroleum products. Lead-Acid batteries are	ed or made use of onsite with the exception of lead-acid removed from the site for disposal in Yellowknife.			

Effective January 1, 2004

 PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary) 					
Land Use Permit					
DIAND	<u>X</u> Yes No	If no, date expected			
Regional Inuit Association	<u>X</u> Yes No	If no, date expected			
Commissioner	Yes No	If no, date expected			
10. PREDICTED ENVIRON MEASURES (direct, indir		CTS OF UNDERTAKING AND PROPOSED MITIGATION pacts, etc.)			
The region in question does not fall along migration routes and therefore does not directly impact the wildlife that make use of these routes. High Lake itself has shown to be void of fish by independent environmental studies conducted by Gartner Lee limited in 2004. This corresponds to historical records of the property dating back to the initial occupation of the present camp location in the 1950's. Nonetheless, water intakes are equipped with screens. Large mammals and other species of birds are rarely seen in the vicinity of the camp. Geophysics will occur predominantly during the winter months and so will have a minimal impact on local vegetation. Apart from the localized activity surrounding the immediate area of the camp and drill sites, vegetation will not be greatly impacted. Direct impacts on the environment would therefore be fairly limited. Removal of water volume from proposed water bodies would of course be one direct impact. Some local noise around the camp (from generator), around the proposed drill sites, and from the helicopter and occasional aircraft is to be expected.					
NIRB Screening	X Yes	s No If no, date expected			
11. INUIT WATER RIGHTS					
Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?					
No					
11. (Continued)					
If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?					
In the unlikely event of some occurrence necessitating compensation, negotiations would proceed to determine the appropriate compensation for the act.					
12. CONTRACTORS AND	SUB-CONTRACT	ORS (name, address and functions)			
Major Drilling 337 Old Airport Rd. PO Box 1377 Yellowknife, NT X1A 2P1		contracted to provide all diamond drilling Phone 867 873 3358			
Gartner Lee 840 7 th Ave. SW suite 1605 Calgary, Alta.		- contracted to perform environmental base line studies Phone 403 262 4299			

Effective January 1, 2004

Great Slave Helicopters Bag 7500 Yellowknife, NT X1A 2R3		contracted to provide helicopter tra Phone 867 873 2081	ansportation on site
1984 Enterprises 201 – 750 Denman St. Vancouver, BC V6G 2L5		contracted to provide cooking staf Phone 604 736 8142	ff and first aid
Discovery Mining Service 101 – 487 Range Lake I PO Box 2248 Yellowknife, NT X1A 3R9		contracted to provide expediting ser Phone 867 920 4600	vices
		ch copies of studies, reports, research	
REGULATORY PROC	ESS TO BEGIN	ICLUDED WITH THE APPLICAT	
Supplementary Questionna	ire (where applicable: see section 5)	\underline{X} Yes No If no, date exp	pected
Inuktitut/English Summary	of Project	X Yes No If no, date exp	pected
Application fee \$30.00 (Pa	yee Receiver General for Canada)	X Yes No If no, date exp	ected
Water Use fee (see Section	9 of the NWT Waters Regulations;	Payee Receiver General for Canada) Yes No If no, date e	xpected
15. PROPOSED TIP	ME SCHEDULE		
Annual (or)	Y Multi Vear		
		1,0000	
Start Date: April 31st, 2	005 Completion Dat	e: November 1 st , 2006	
lan Neill Name (Print)	Project Manager – High Lake Title (Print)	Jan Menth	April 21st, 2005 Date
or Nunavut Water Board use PPLICATION FEE		ID No.:	
ATED HEE DEPOSIT	Amount: © Par	ID No.	