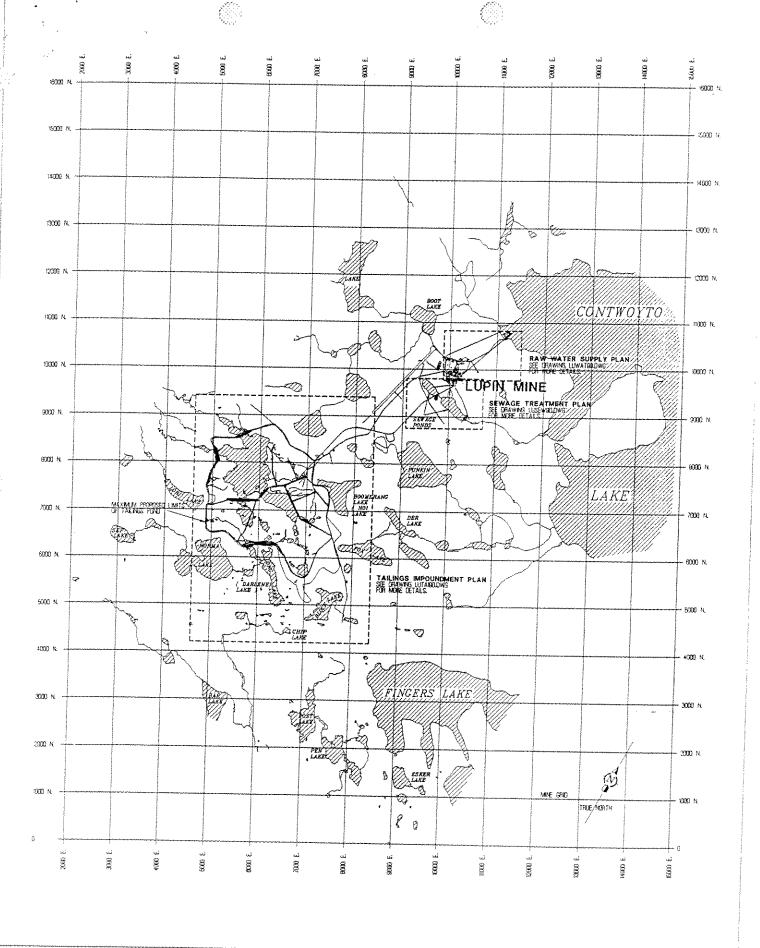
NUNAVUT WATER BOARD LICENCE APPLICATION FORM

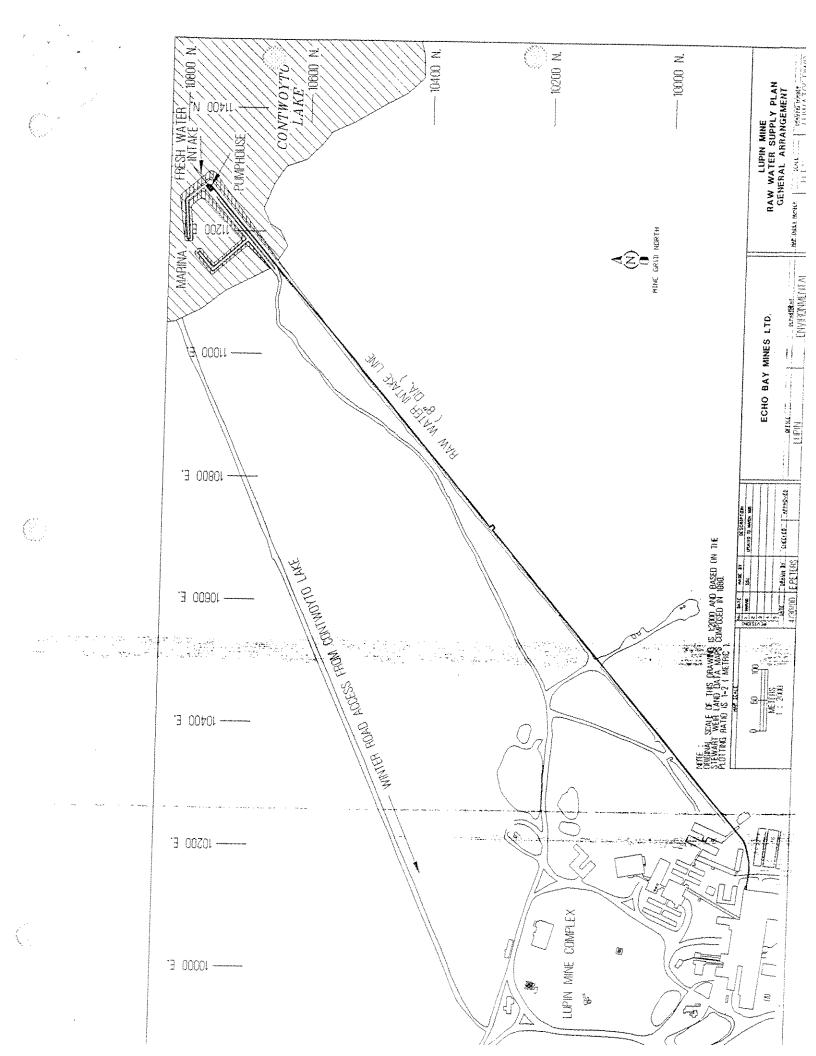
NUNAVUT WATER BOARD

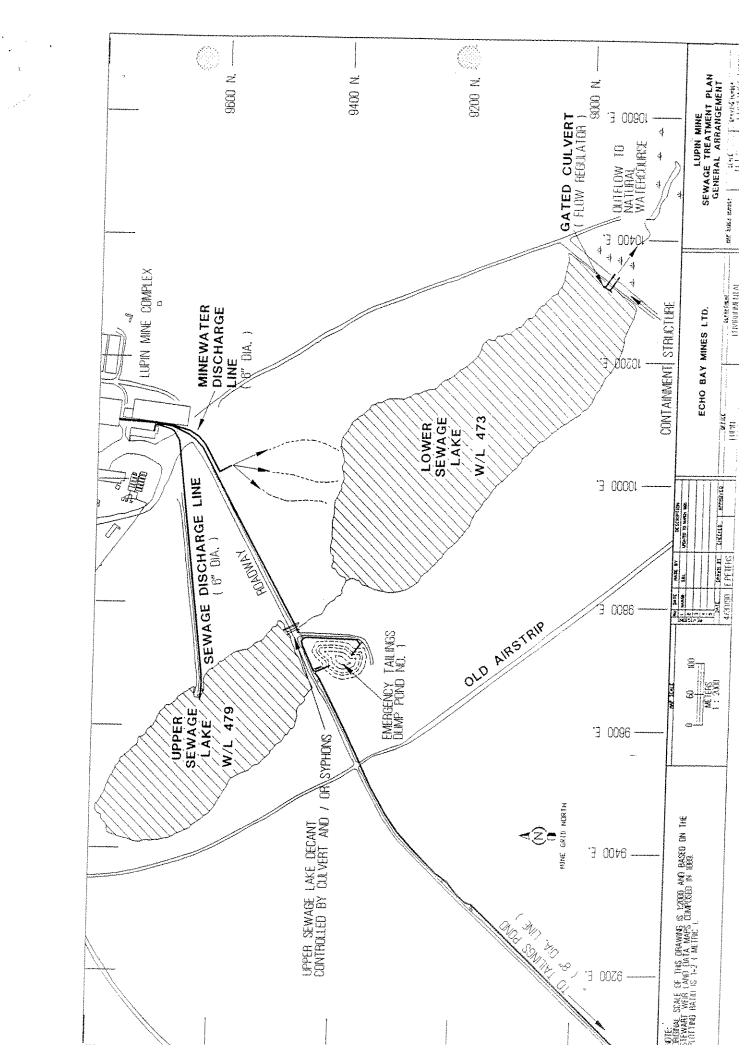
	ication for licence, amendment to licence, or r	JUL 1 2 1999					
	APPLICATION/LICENCE NO: RENEWAL - N7L2-0925 (Amendment or renewal only) PUBLIC REGISTR						
TELEI	NAME AND MAILING ADDRESS OF APPLICANT/LICENCEE Echo Bay Mines Ltd. Lupin Operations Bag No.1, Nisku, AB TOC 2G0 PHONE: (780) 890-7000 FAX: (780) 890-8714	INCORPORATED Echo Bay Mines 1210 Manulife I 10180 - 101 Stro Edmonton, AB	Place				
3.	LOCATION OF UNDERTAKING (describe and attach a map, indicating watercourses and location of any proposed waste deposits) The Lupin Mine is located on the west shore of Contwoyto Lake, Nunavut, approximately 285 km S.E. of the community of Kugluktuk, 80 km south of the Arctic Circle and 400 km N.E. of the City of Yellowknife, Northwest Territories. LATITUDE 65° 46' 05" LONGITUDE 111° 14' 45"						
4.	DESCRIPTION OF UNDERTAKING (describe and attach plans) Mining, milling and associated camp and logistical operations.						
5.	TYPE OF UNDERTAKING Industrial Pow Mining and Milling Cons Municipal Other (describe)	er					
5.	WATER USE To obtain water To cross a watercourse To modify the bed or bank of a watercourse Other (describe) To obtain water To alter the flow of, or store water						
*	QUANTITY OF WATER INVOLVED (litres per s quantity to be used and quality to be returned to source. The use of approximately 1,700,000 cubic metres of w storage methods required to reduce contaminant levels.)	e). Valer to be returned to source follow	ing original to account of				

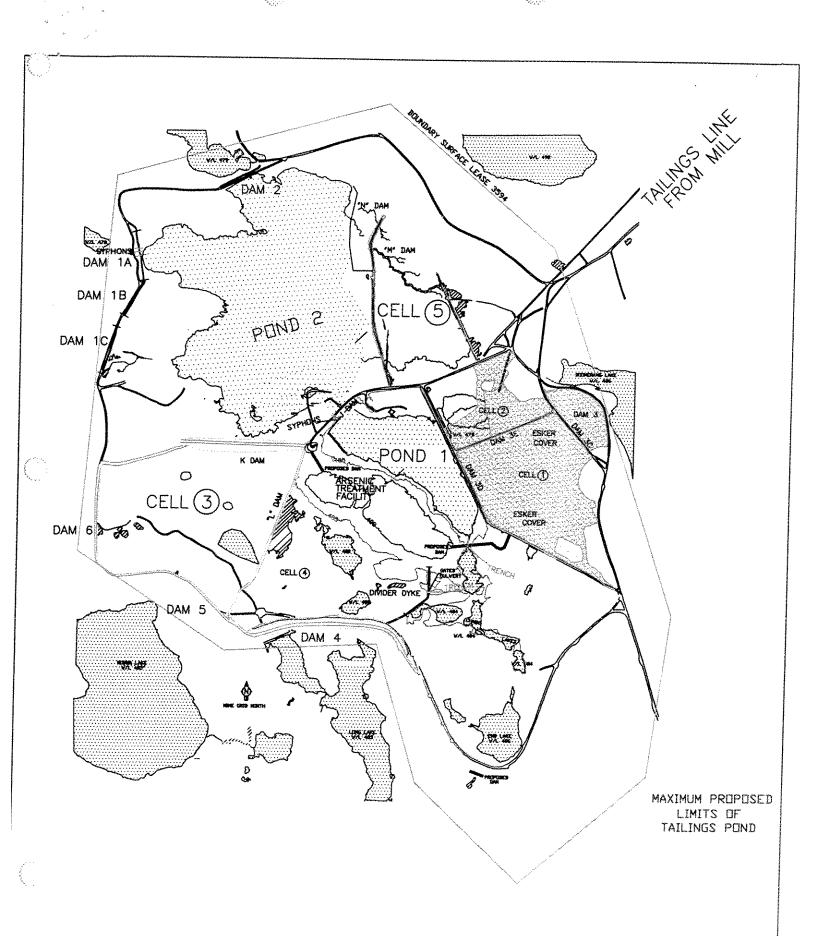
4							
8.,	WASTE DEPOSIT (type, qu	antity, quality, treatment and disposal)					
	In addition to the grey water from camp and mine water from underground, approximately 604,500 tonnes/year of mill tailings solids plus 50% solution (process water) by weight will require disposal. Solids are removed through settling at the Tailings Containment Area, liquid portion is treated through natural degradation processes and chemicals to remove arsenic when necessary. Lime addition for pH control.						
9.	OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach list if necessary)						
<u> </u>	None known at this time.						
10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITT MEASURES							
	It is believed that there will be no adverse environmental impacts from the operation that cannot be mitigated with known technology.						
11.	CONTRACTOR AND SUB-	CONTRACTORS (names, addresses and functions)					
	Contractors normally at Lupin during operations are those in the specialized underground mining sector and are involved with mine development. Other third party interests have been those associated with the bulk sample diamond process facility at Lupin. This facility has been used for sample processing in 1997 and again in 1999.						
12.		O DATE (list and attach copies of studies, reports, research, etc.)					
	During the current Licence period studies have been limited to fisheries work, "Movements of Lake Trout in Sun Bay and the West Arm of Contwoyto Lake, NT", RL&L July, 1996; and reclamation costing through Golder Associates Ltd., "Closure Cost Estimate and Scoping of Mine Closure Issues, Lupin Mine NT.", December, 1997.						
13.	THE FOLLOWING DOCUM	ENTS SHALL BE INCLUDED WITH THE APPLICATION					
Land	Use Permit						
	DIAND	Yes Do Date Expected <u>Lease No.3594</u>					
	Regional Inuit Association	☐ Yes 🗷 No Date Expected					
Supple	ementary Questionnaire	☐ Yes 🕅 No Date Expected Only if requested					
Inuktit	tut Summary of Project	Yes					
MAP	@ 1:250,000						
	camp, drill sites, etc.)	☐ Yes ► No Date Expected <u>Associated drawings enclosed</u>					
14.	PROPOSED TIME SCHEDUI	E					
Start da	ate Operational - Care & Mainter	nance Completion date <u>May 31, 2008</u>					
		1					
	Hohnstein Environmental (Print) TITLE (Print)	Signature July 05, 1999 DATE					
For Nu	navut Water Board use only						
	APPLICATION FEE	Amount: \$ 30.00 Receipt No.: 4/0//08					
	WATER USE DEPOSIT	Amount: \$ 30.00 Receipt No.: C/0//08 Amount: \$ 63.16 Receipt No.: C/0//09					
CHOROPOROPOROPORO	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	V CVV AND					



	NOTE:		- PART - SERVICE .					
	THE PURPLE OF SAID ON SETS CONNECT FROM THE SUPPLY OF STEMBER VARIE CATA INC. 18 HOURS DO SHOULD AND A TOWN THE SUPPLY OF STEMBER VARIE CATA INC. 19 HOURS DO SHOULD SHO	9 352 500 749 rom	2		LUPIN MINE			
	A CONTRACT OF TAXABLE PARTY OF TAXABLE P			ECHO BAY MIMES LTD.	LUPIN SITE PLAN			
ļ		MET846	NA PARK SCAR COOK	7.45TT	GENERAL ARRANGEMENT			
,			+30A90 EARTHS	UPW PROFITERING	1 2000 100196.0V5			







TAILINGS IMPOUNDMENT AREA - 1999