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σσ»ς ΔΓανες ρυΓενι NUNAVUT IMALIRIYIN KATIMAYINGI **NUNAVUT WATER BOARD** OFFICE DES EAUX DU NUNAVUT

WATER LICENCE							
Application for: (check one)							
New	V Renewal	Amenda	ment	Assign	ment	Cancellat	ion
LICENCE NO: (for NWB use only)							
	D MAILING ADDRE NT/LICENSEE	ESS OF	2.	ADDRESS CANADA		RPORATE OFFIC able)	CE IN
		ient		Cameco Corpo 2121 – 11 th St Saskatoon, Sk. S7M 1J3	West	loration Department	
Phone: (306) 956-635 Fax: (306) 956-639			Fax:	(306) 956-620 (306) 956-620			
e-mail: <u>gerard_zalusk</u>	i@cameco.com	_	e-mail:				
components The undertakin Aberdeen Lake and u diamond drills. The m 55 m³ each of daily a Figure 1 – Location M Figure 2 – Detailed L Figure 3 – Map of cu Figure 4 – Map outlin Camp Location Proposed New Camp Latitude: (64° 23' 3 Current Exploration Latitude (64° 37' 42 NTS Map Sheet No.	Map of Projects in Num location Map of the Ab- rrent Qamanaarjuk car ning proposed drilling p – Aberdeen Camp 10"N) Longitu Camp – Qamanaarjuk "N) Longitude (97°	exploration, which the camp on Qama dident is to operate the camp areas and water states (98° 27' 54" (Camp ° 59' 39"W) Scale: 1:50,00	ch includ inaarjuk l ite an add avik Proj sources	es water use at Lake) and wate ditional 3 drills jects	camp (pr er use fror s, for a ma	roposed new camp m nearby lakes to o	perate 2-4
See Non-Te	CION OF UNDERTA chnical Project Propos	` .	ans and o	drawings)			
document (a	·						
	PRIMARY UNDERT for undertakings listed		olementa	ry questionnair	re <u>must</u> be	e submitted with th	e
	al and Milling(includes e al (includes camps/loc		ng)	Agricult Conserv Recreati Miscella	v ation ional	lescribe below):	

See Schedule II of Northwest Territories Wate	rs Regulations for Description of Undertakings
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6.	WATER USE						
	✓ To obtain water ☐ Flood control ☐ To cross a watercourse ☐ To divert a watercourse ☐ To modify the bed or bank of a watercourse ☐ To alter the flow of, or store, water						
	Other (describe):						
_							
7.	QUANTITY OF WATER INVOLVED (cubic metres per day including both quantity to be used and quality to be returned to source)						
	Water use 100m³/day or less Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.) Camp: 5 m³/day, Drilling: 5 drills 55 m³/day each. Total 280 m³/day Water returned to source 0 m³/day						
8.	WASTE (for each type of waste describe: composition, quantity (cubic metres per day), methods of treatment and disposal, etc.)						
	Sewage liquids disposed through sumps Solid Waste Hazardous Max 0.08 m³/day, incineration of combustibles and removal of ash to municipal disposal grounds Bulky Items/Scrap Metal Bulky Items/Scrap Metal O.001 m³/day, from genset and other small engines Maximum 3 m³/day, from washing and disposed through sumps or water treatment Sludges Other describe): Drill cuttings (0.5 m³/day – disposed in sumps,						
9.	 OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary) 						
	Land Use Permit						
	DIAND						
	Regional Inuit Association Yes No If no, date expected						
	Commissioner						
10.	PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED						
10.	MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)						
dr tu Tl w: cr oc dr	the main impact of this amendment is an extra 110-165 m ³ of water use per day (if the maximum number of drills are rilling steady). The increased drilling will increase ground and helicopter noise, as well as more drill setups on the ndra. The cumulative impact of this amendment is more noise to wildlife and, therefore, more potential disturbance, the mitigation measures will be as outlined in our Wildlife Plan (attached), we shut down the drill if caribou come ithin 2 km of the drill site. We have wildlife monitors that indicate to the drill crew if those circumstances arise. Drill news are also required to shut down if no monitor is present (night shift) and these circumstances arise. This instance occurred twice in 2009 and again in 2010 and 2011 where 100's to 1000's of caribou surrounded the drill site and rilling was ceased until the caribou moved away. Those measures would apply to all drills. The additional drills will be ainly used for delineation drilling at the Tatiggaq and Qavvik zones, confined to small areas (approx. 1000 x 500 m						

areas) s	so all disturbances will be	more easily monitored.			
activity inciner existing	in that area. This will be ating toilets), and fabric stig exploration camp. The p	mitigated by using a historic ructures that can be easily ren	exploration on noved. This	38-60 people) which will increase noise and camp site, minimizing waste (using impact will be mitigated by the closure of the it closer to the drilling sites, which will	
		completed on the original proj C and KIA LUP applications		in 2008. A new NIRB 1&2 Screening will be	
	NIRB Screening	Yes No If no, da	te expected _		
11.	INUIT WATER RIGH	TS			
	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				
	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?				
12.	CONTRACTORS AND SUB-CONTRACTORS (name, address and functions) Forest Helicopters Inc., Kenora, ON (helicopter) Boart Longyear, Saskatoon, SK (diamond drilling) SK Construction, Baker Lake, NU (expediting services) Discovery Mining Services (camp construction and labour) Gebauer and Associates, Vancouver, BC (wildlife monitoring) MWH Geo-Surveys, Vernon, BC (gravity surveys) Golder and Associates, Saskatoon, SK (Archaeology Survey)				
13.	STUDIES UNDERTAK	EN TO DATE (list and attac	ch copies of	studies, reports, research, etc.)	
	-	oring 2008, 2009, 2010, other f land, crossing research). Ar		dies (environmental land cover rvey - all attached	
14.	THE FOLLOWING DO REGULATORY PROC		CLUDED V	VITH THE APPLICATION FOR THE	
Supplen	nentary Questionnaire (wh	nere applicable: see section 5)	√ Yes	No If no, date expected	
Inuktitu	t and/or Innuinaqtun/Engli	ish Summary of Project	Yes Yes	No If no, date expected	
Applica	tion fee of \$30.00 (Payee	Receiver General for Canada)	Yes	No If no, date expected	
	Use fee of \$30.00 (unless of for Canada)	therwise indicated in Section	9 of the <i>NW</i>	T Waters Regulations; Payee Receiver	
			▼ Yes	No If no, date expected	
15.		HEDULE (unless otherwise	indicated, the	e NWB will consider the application for	
	a five (5) year term)	one year or less (or)	™ Mult	i Year	
		Start Date: May 2012	Comple	tion Date: June 2017 (option for renewal)	

Effective June 16, 2006

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Gerard Zaluski	District Geologist, NU & NWT	1 W W W	Jan 15,5015
Name (Print)	Title (Print)	Signature	Date

For Nunavut Water Board of	fice use only		
APPLICATION FEE	Amount: \$	Pay ID No.:	
WATER USE DEPOSIT	Amount: \$	Pay ID No.:	