

**VIA COURIER** 

April 23, 2009

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Ph (867)360-6338 ext. 26
Fax (867)360-6369
licensing@nunavutwaterboard.org

Andrew Keim
Water Resource Officer
Indian and Northern Affairs Canada
Qimugjuk Bldg., 2<sup>nd</sup> Floor
P.O. Box: 2200
Iqaluit, NU X0A 0H0
Ph (867) 975-4289
Fax (867) 979-4560
keima@ainc-inac.qc.ca

Dear Ms. Beaulieu:

Re: AMENDMENT REQUEST FOR THE REALLOCATION OF WATER USAGE THE KIGGAVIK PROJECT – AREVA RESOURCES CANADA INC.

NWB WATER LICENCE #2BE-KIG0812

Please accept the enclosed amendment request tot Water Licence #2BE-KIG0812, Condition Part C: Amend Item 1, to allow for the use of 290 cubic meters of water per day for drilling and 10 cubic meters per day to supply camp. The maximum allowable quantity per day would continue to be 300 cubic meters per day. Currently the camp is allowed 5 cubic meters of water per day while the drill is allowed 295 cubic meters per day.

Water licence #2BE-KIG0812 was issued April 25<sup>th</sup>, 2008 and expires December 31, 2012. The current licence approves the exploration of uranium including geophysics, soil sampling, mapping,



diamond drilling and environmental baseline field program; all activities are conducted from the camp based at the Kiggavik site. The 2009 field program is a continuation of the 2008 field program.

The volumes requested in the amendment application submitted in June 2008 underestimated the amount of water required by the camp during periods of full/nearly full occupancy. The field program remains the same as originally indicated, which is to conduct diamond drilling at the Kiggavik, Granite, Bong, End Grid and Andre Lake sites; in situ testing; groundwater sampling and the continuation of environmental baseline work (aquatic, terrestrial, wildlife, hyrodrogeological and hydrological assessments).

Also enclosed is a cheque for the application fee as well as a Project Summary both in English and Inuktitut.

Please do not hesitate to contact me with any questions, comments or concerns.

Sincerely,

Kim Sarauer
Environment and Radiation Protection Supervisor
Kiggavik Project
AREVA Resources Canada Inc
Tel: (306) 343-4043
kim.sarauer@areva.ca

AREVA Group

## Enclosed:

- Application Form
- Application Fees
- Project Summary English
- Project Summary Inuktitut

Cc:

Frederic Guerin, AREVA

## KIGGAVIK PROJECT SUMMARY

The Kiggavik Project is a uranium surface exploration project located approximately 80 kilometers west of Baker Lake. The project consists of the Kiggavik site to the north and Sissons to the south. This uranium exploration project was initially started in 1975 by the previous operator, Urgangesellschaft Canada Ltd., and several mineral deposits were discovered between 1977 and 1988. AREVA Resources Inc (formerly COGEMA Resources Inc.) became the project operator in 1993, conducting exploration activities from 1993 to 1997. The project had been under care and maintenance from 1997 until 2007 when licenses and permits were granted for the project by INAC, NWB and KIA to conduct further exploration activities and environmental baseline studies. Current INAC and KIA permits and licenses will expire in April 2010 and January 2010, respectively;

The 2009 field program is relatively similar to the activities conducting during the 2007 and 2008 programs; consisting of diamond drilling and environmental baseline studies to improve the understanding of the project site and the known mineral deposits. The intent of the project is to gather information required to determine whether these deposits can be safely and economically extracted and processed, while protecting the environment. A program of prospecting, geological mapping and geophysical surveys will also be carried out throughout the lease areas to identify potential for additional mineral deposits and to further evaluate known potential areas.

In 2009, diamond drilling will continue at the Kiggavik site, however drilling will largely focus on the Sissons site at reduced grid spacing. Environmental baseline studies will continue to be carried out in the areas of aquatics, terrestrial, wildlife assessment, hydrological and hydrogeological assessments to update the current database and address data gaps.

The 2009 program is tentatively scheduled to begin in May. At this time the fuel storage tank systems that are to be installed during the winter months will be inspected by qualified personnel and be prepared for use. It is expected that the drill and environment crews will be mobilized to the site during May and June. The program is expected to be shut down and prepared for the winter season by the end of September or beginning of October. All operations and personnel will be conducted out of the Kiggavik camp and will be supported by helicopter services.

AREVA is committed to carrying out its field programs in an environmentally responsible and sustainable manner.

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P.O. Box 119 GJOA HAVEN, NU X0B 1J0 TEL: (867) 360-6338 FAX: (867) 360-6369 

## WATER LICENCE APPLICATION FORM

Application for: (check one)	
☐ New ☐ Renewal ☐ Amend	ment Assignment Cancellation
LICENCE NO: (for NWB use only)	
1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)
Kim Sarauer AREVA Resources Canada Inc.	Same Address
PO Box 9204, 817 - 45 <sup>th</sup> Street West Saskatoon, SK S7K 3X5	Phone: (306) 343-4500 Fax: E-mail:
Phone: (306) 343-4043 Fax: (306) 343-1044 E-mail: kim.sarauer@areva.ca	
3. LOCATION OF UNDERTAKING (describe and components of the Undertaking)  Please refer to maps submitted with the application in Do KIG0812 which expires December 31, 2012), indicating the (Granite, Bong, End Grid and Andrew Lake) and the location 2008.  Environmental baseline program will continue to consist Latitude: (64°26'26" N)  Longitude: (97°39'36" N)	ec 07 (resulting in the issuance of Water License 2BE- he locations planned for conducting the diamond drilling ation of the Kiggavik camp which was refurbished in of aquatic, terrestrial and wildlife studies/assessments.
NTS Map Sheet No. <u>64A/05</u> Scale: <u>1:50,000</u>	
4. <b>DESCRIPTION OF UNDERTAKING</b> (attach plants)	ans and drawings)
There are no changes to the field program described indicated in this application will include geological approximately 14,000-metres of diamond drilling leases known as Granite North, East and West (32). Grid 3302 & Andrew Lake 3301); drill core logging be conducted to updated existing information and hydrogeology; permafrost depth; aquatic and terrequality and heritage resources.	Il mapping; geochemical and geophysical surveys; is planned to occur at three locations (Kiggavik 32, 3234 & 3246); and Sissons (Bong, 3246, Ending and sampling. Environmental baseline work will to address data gaps in surface hydrology;
This amendment request is related to condition Par KIG0812 which states the following:	rt C - Amend Item 1 of the Water Licence #2BE-

"The Licensee shall obtain all water for domestic can	np use from an unnamed lake
approximately three hundred metres distance north of the	camp, to a maximum of five (5) cubic
metres per day. Drill water shall be obtained from local w	vater source(s), proximal to the drilling
targets as outlined in the application, to a maximum of two	o hundred and ninety-five (295) cubic
metres per day. The volume of water for the purposes of t	this Licence shall not exceed three-hundred
(300) cubic metres per day."	
•	
5. TYPE OF PRIMARY UNDERTAKING (A supplementar application for undertakings listed in "bold")	y questionnaire <u>must</u> be submitted with the
☐ Industrial	Agricultural
Mining and Milling(includes exploration/drilling)	☐ Conservation
Municipal (includes camps/lodges)	Recreational
☐ Power	Miscellaneous (describe below):
See Schedule II of Northwest Territories Waters Regulations	s for Description of Undertakings

6.	WATER USE
	☐ To obtain water ☐ Flood control ☐ To divert a wetercourse
	☐ 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
	10 modify the bed of bank of a watercourse 10 and the flow of, of 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)
l	
ı	Water use ☐ 100m³/day or less ☐ Greater than 100m³/day; if greater, indicate quantities to be used for each purpose (camp,
	drilling, etc.)
	Current approval granted the use of 300 cubic meters per day, 295 cubic meters for drilling and 5 cubic meters
	to supply camp; however as the camp grows we are experiencing an increase in the water
	usage. Therefore, we are applying for an amendment to allow for the use of 290 cubic meters
	of water per day for drilling and 10 cubic meters per day to supply camp. The maximum allowable quantity per day would continue to be 300 cubic meters per day.
	allowable qualitity per day would continue to be 500 cable fricters per day.
•	Water returned to source
	As much as possible m <sup>3</sup> /day
	, and the second of the second
8.	WASTE (for each type of waste describe: composition, quantity (cubic metres per day), methods of
ð.	treatment and disposal, etc.)
	∑ Sewage ∑ Waste oil
l	Solid Waste Service S
l	☐ Hazardous ☐ Sludges ☐ Other describe):
	⊠ Bulky Items/Scrap Metal           ⊠ Other describe):
	DRILL WATER - to be recirculated if possible, collected if contaminated and discharged into low-lying
i	area in nearby environment if clean.
	DRILL CUTTINGs - will be collected in a low lying area and backfilled upon completion of the hole. Drill
	cuttings in ore which are >1 microservert per hour at 1 meter will be collected and stored in designated
	areas on site; for possible future handling. SOLID SEWAGE will be collected and incinerated daily (~ 0.8m3/day).
i	LIQUID SEWAGE (URINE) from urinals is mixed with greywater (~6 m3/day) for disposal into a
i	designated low lying area.
i	SOLID WASTE - Combustibles (paper, non-treated wood and food waste) is incinerated
i	HAZARDOUS WASTE - properly sorted and stored for future transport to an approved facility
i	BULKY ITEMS/SCRAP METAL - sorted and stored for future transport to an approved facility
	WASTE OIL - sorted and stored for future transport to an approved handling facility
	Please refer to the attached Waste Management Plan for more details.
_	
9.	OTHER PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)
INA	address and location; attach if necessary) C Land Use Permit N2006C0037 Expires April 9th, 2010
	ecca Leighfield
Man	nager Land Adminstration
INA	C C
	Box 100
IQA.	LUIT, NU X0A 0H0

Stephar PO Box	and Use Licence KVL306C02 Expir n Hartma k 340 Inlet, Nunavut X0C0G0	es January	3nd, 2010		
	Land Use Permit DIAND	⊠ Yes	☐ No	If no, date expected	_
	Regional Inuit Association	Yes	☐ No	If no, date expected	<u>-</u>
	Commissioner	Yes	⊠ No	If no, date expected	-
10.	PREDICTED ENVIRONMENT MITIGATION MEASURES (di	irect, indire	ct, cumula	tive impacts, etc.)	
Envir	redicted effects to the environmer onmental Code of Practice, Safety ngency Plan and the Abandonmer	Code of P	Practice, E	nvironmental Emergency	Response Plan. The Spill
NIRB	Screening conducted April, 2007	•			
	NIRB Screening Yes	s 🗌 No	If no, dat	te expected	
There 12.	INUIT WATER RIGHTS  Will the project or activity substar Owned Lands and the rights of In  If yes, has the applicant entered in compensation for any loss or dam has been made, how will compensate are no predicted effects to the qualication of the contractors and substantial contractors and substantial contractors are no predicted effects to the qualication.	uit under A  nto an agree age that ma sation be de ty, quantity	ement with ay be cause etermined?	the Nunavut Land Claims the Designated Inuit organied by the alteration. If no co	Agreement? ization to pay ompensation agreement
Boart L 403 - 4' George 306-93: 1984 En Vancou Lise To 604-736 Peter's I	Longyear - drilling contractors 7th street Saskatoon, SK Presseault 1-4466 Interprises - catering, first response a liver. BC Impson, 6-8119 Expediting LTD - materials manage Lake, NU apetai	and safety p			
Golder Saskato 306-667 Rick So	7-1182	d geotechn	ical loggin	g	

6387 Larch Street Vancouver, BC V6M 4E8 604-261-2716			
Martin Gebauer			
EBA Engineering - civil en 9 <sup>th</sup> Floor, Oceanic Plaza 1066 West Hastings ST Vancouver, BC V6E 3X2 Graham Wilkins 604-685-0275	gineering studies		
Jacques Whitford - baseline 4370 Dominion St Burnaby, BC V5G 4L7 Janine Beckett 604-436-3014	e marine studies		
13. STUDIES UNDE	ERTAKEN TO DATE (list and attach	copies of studies, reports	, research, etc.)
Please refer to our 2007 a	pplications for a complete list.		
	NG DOCUMENTS <u>MUST</u> BE INC PROCESS TO BEGIN	LUDED WITH THE AP	PLICATION FOR THE
Supplementary Questionna	ire (where applicable: see section 5)	☐ Yes ⊠ No If no.	date expected
Inuktitut and/or Inuinnaqtu	n/English Summary of Project	Yes No If no.	date expected
Application fee of \$30.00 (	Payee Receiver General for Canada)	Yes No If no.	, date expected
	nless otherwise indicated in Section 9	of the NWT Waters Regu	lations; Payee Receiver
General for Canada)		☐ Yes ⊠ No If no	, date expected
	ME SCHEDULE (unless otherwise in	dicated, the NWB will con	nsider the application for
a five (5) year terr	n)  one year or less (or)	Multi Year	
	Start Date: May 1, 2008Com	pletion Date: December 3	1, 2012
		Philosophical Control of the Control	
Kim Sarauer	Environment and Radiation Protection Supervisor	1//	April 23 2009
Name (Print)	Title (Print)	Signature	Date

WATER USE DEPOSIT Amount: \$ Pay ID No.:
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