



P.O. Box 119
Gjoa Haven, NU X0B 1J0
Tel: (867) 360-6338
Fax: (867) 360-6369

ᓄᓇᓂᓪ ᐃᓕᓕᓂᓪ ᑲᓂᓕᓂᓪ
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 2BE-KIG0812/Amendment No. 4

April 1, 2010

Kim Sarauer
Environment and Radiation Protection Supervisor
AREVA Resources Canada Inc.
P.O. Box 9204, 817 – 45th Street West
Saskatoon, SK S7N 3X5
Email: kim.sarauer@areva.ca

RE: Licence No. 2BE-KIG0812 Type “B” – Amendment No.4

Dear Kim Sarauer:

Please find attached Amendment No.4 to Licence No. 2BE-KIG0812 Type “B” issued to AREVA Resources Canada Inc. by the Nunavut Water Board (NWB) (**Motion 2009-23-L05**) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*. The terms and conditions of the original Licence related to water use and waste disposal remain an integral part of this approval.

The NWB strongly recommends that the Licensee consult the comments received by interested persons on issues identified. Among others, INAC recommended that sampling for the purpose of collecting a full suite of water chemistry data be conducted approximately 12.4 km downstream of the on-ice drilling. This information is attached for your consideration.¹

Sincerely,

Thomas Kabloona
Nunavut Water Board,
Chair

TK/dc

Enclosure: Licence No. **2BE-KIG0812 - Amendment No.4**
Comments

Cc: Distribution – Kivalliq

¹ Alice Baker, November 25, 2009; Indian and Northern Affairs Canada, December 11, 2009; Government of Nunavut – Department of Culture, Language, Elders and Youth, December 14, 2009; Environment Canada, December 15, 2009 and Government of Nunavut – Department of Environment, December 18, 2009

LICENCE AMENDMENT No. 4

Licensee:	AREVA Resources Canada Inc.
Licence No:	2BE-KIG0812 Type "B"
Licence Issued:	April 25, 2008
Effective Date:	April 1, 2010

Pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* and the *Nunavut Waters* and the *Nunavut Surface Rights Tribunal Act*, the Nunavut Water Board hereby grants the following Licence amendment, **Amendment No.4.**

The Licence issued April 25, 2008 with an expiry date of December 31, 2012 shall be amended to include the following terms and conditions, with respect to use of water and deposit of waste during camp and drilling operations, to allow AREVA Resources Canada Inc. to conduct on-ice drilling at the proposed Thelon River crossing at the Kiggavik/Sissons Project in the Kivalliq Region, located at latitude 64°24'36"N and longitude 96°24'41"W.

PART F: CONDITIONS APPLYING TO DRILLING OPERATIONS

Amend Items 3, 8, 9 and 10

3. The Licensee shall not conduct any land based drilling within thirty (30) metres of the ordinary high water mark of any water body with the exception of the End Grid Lake area as described in the application for amendment no. 2 . received dated October 9, 2008 and the proposed Thelon River crossing location as described in the application for amendment no.4 received October 13, 2009.
8. On-ice drilling is authorized at the proposed Thelon River crossing, located at the approximate latitude of 64°24'36"N and longitude of 96°24'41"W, for the purpose of gathering geotechnical data to develop and confirm feasibility level designs for a bridge that could be included in an Environmental Impact Statement.
9. The Licensee shall, when conducting land based drilling within thirty (30) metres of the ordinary high water mark of End Grid Lake and the Thelon River crossing, carry out activities on stable ground such as frozen tundra or bedrock, to prevent disturbance to the natural ground and limit erosion and sedimentation.
10. The Licensee shall establish water quality conditions of adjacent waters or waters immediately downstream of any drilling program, located within thirty (30) metres of high water mark of End Grid Lake, prior to and upon completion of the drilling program. The Licensee shall also establish water quality conditions of the Thelon River, prior to, during and upon completion of any drilling program through the Thelon River ice.

Insert Items 11 and 12

11. Drilling additives or mud shall not be used in connection with holes drilled through river ice unless they are re-circulated or contained such that they do not enter the water, or are demonstrated to be non-toxic.
12. For “on-ice” drilling where drill additives are not being used, return water released must be nontoxic, and not result in an increase in total suspended solids in the immediate receiving waters above the Canadian Council of Ministers for the Environment, Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

Amend Item 10

10. The Licensee shall obtain representative samples of the water column below any ice and adjacent to End Grid Lake and the Thelon River, as required under Part F, Item 10. Monitoring shall include but not be limited to the following:

Total Suspended Solids

pH

Electrical Conductivity,

Total Trace Metals as determined by a standard ICP Scan (to include at a minimum, the following elements: Al, Sb, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Mo, Ni, Se, Sn, Sr, Tl, Ti, U, V, Zn), and

Trace Arsenic and Mercury

All remaining terms and conditions of the Licence No. 2BE-KIG0812 Type ‘B’ dated April 25, 2008 with amendments on August 5, 2008, March 18, 2009 and July 27, 2009, still apply.

This Licence Amendment issued and recorded at Gjoa Haven, NU on April 1, 2010.

Approved by,



Thomas Kabloona
Nunavut Water Board
Chair