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NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

WATER LICENCE APPLICATION FORM

Application for: (check one)

☐ New
 ☒ **Renewal**
☐ Amendment
 ☐ Assignment
 ☐ Cancellation

LICENCE NO:

(for NWB use only)

1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE Tina Hessdorfer <u>Areva Resources Canada Inc.</u> <u>PO Box 9204, 817 - 45th Street West</u> <u>Saskatoon, SK S7K 3X5</u> Phone: <u>(306) 343-4525</u> Fax: <u>(306) 343-4640</u> e-mail: <u>tina.hessdorfer@areva.ca</u>	2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable) <u>Same Address</u> Phone: <u>(306) 343-4500</u> Fax: _____ e-mail: _____		
3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) Attached maps show the location planned for conducting the diamond drilling program (Granite, Bong, End Grid and Andrew Lake) and the location of the Kiggavik camp which was refurbished in 2007. Environmental baseline program will continue to consist of aquatic, terrestrial and wildlife studies/assessments. Latitude: (64°26'26" N) Longitude: (97°39'36" W) NTS Map Sheet No. <u>64A/05</u> Scale: <u>1:50,000</u>			
4. DESCRIPTION OF UNDERTAKING (attach plans and drawings) The proposed program will include prospecting; geological mapping; geochemical and geophysical surveys; approximately 14,000-metres of diamond drilling is planned to occur at three locations (Kiggavik leases known as Granite North, East and West (3232, 3234 & 3246); and Sissons (Bong, 3246, End Grid 3302 & Andrew Lake 3301); drill core logging and sampling. Environmental baseline work will be conducted to updated existing information and to address data gaps in surface hydrology; hydrogeology; permafrost depth; aquatic and terrestrial study programs; climate; meteorology; air quality and heritage resources.			
5. TYPE OF PRIMARY UNDERTAKING (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in " bold ") <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below): </td> </tr> </table>		<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below):
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling) <input type="checkbox"/> Municipal (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> Conservation <input type="checkbox"/> Recreational <input checked="" type="checkbox"/> Miscellaneous (describe below):		

environmental baseline

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

6. WATER USE

- | | |
|---|---|
| <input checked="" type="checkbox"/> To obtain water | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To cross a watercourse | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> To alter the flow of , or store, water |
| <input type="checkbox"/> 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.)

Approximately 5 cubic meters per day for camp uses and 30 cubic meters per day per rig for a total of 90 cubic meter per day for drilling water. The water used for drilling may be reduced by circulation when feasible to do so.

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.)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Sewage | <input checked="" type="checkbox"/> Waste oil |
| <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Greywater |
| <input checked="" type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input checked="" type="checkbox"/> Bulky Items/Scrap Metal | <input checked="" type="checkbox"/> Other describe): |

DRILL WATER - to be recirculated if possible, collected if contaminated and discharged into low-lying 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 >1microservert 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).

LIQUID SEWAGE (URINE) from urinals is mixed with greywater (~6 m³/day) for disposal into a designated low lying area.

SOLID WASTE - Combustibles (paper, non-treated wood and food waste) is incinerated

HAZARDOUS WASTE - properly sorted and stored for future transport to an approved facility

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)

INAC Land Use Permit N2006C0037 Expires April 9th, 2008

Jeff Holwell

Land Administrator Specialist - Nunavut Region

INAC

PO Box 100

IQALUIT, NU X0A 0H0

KIA Land Use Licence KVL306C02 Expires January 2nd, 2009

**Stephan Hartma
PO Box 340
Rankin Inlet, Nunavut X0C0G0**

**Land Use Permit
DIAND**

☒ Yes ☐ No If no, date expected _____

Regional Inuit Association

☒ Yes ☐ No If no, date expected _____

Commissioner

☐ Yes ☒ No If no, date expected _____

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

The predicted environmental effects/impacts continue to be negligible through the application of AREVA's Environmental Code of Practice, Safety Code of Practice & Environmental Emergency Response Plan.

In addition, a number of documents have been specifically developed for this program:

- Spill Contingency Plan
- Radiation Protection Plan
- Abandonment and Restoration Plan
- Wildlife Mitigation and Monitoring Plan
- Waste Management Plan
- Noise Abatement Plan

NIRB Screening conducted April, 2007.

NIRB Screening ☒ Yes ☐ 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?

There are no predicted effects to the quality, quantity or flow of water flowing through Inuit Owned Lands.

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)

Due to early submission of these applications, a finalized list of contractors is not yet available.

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

Please refer to last years applications (2007) for a complete list.

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun/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 _____

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)

☒ Yes ☐ No If no, date expected _____

15. PROPOSED TIME SCHEDULE (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

☐ one year or less (or) ☒ Multi Year

Start Date: May 1, 2008 Completion Date: December 30, 2010

Tina Hessdorfer
Name (Print)

Coordinator, Licensing
Title (Print)

Signature

Date

For Nunavut Water Board office use only

APPLICATION FEE Amount: \$ _____ Pay ID No.: _____

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