



March 19, 2015

VIA EMAIL & MAIL

Ms. Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU X0B 1J0

Dear Ms. Beaulieu:

Re: Kiggavik Licence 2BE-KIG1318 – Amendment Application and Water Use Fees

AREVA Resources Canada Inc. (AREVA) is requesting amendment of Nunavut Water Board (NWB) Licence No. 2BE-KIG1318 to clarify between “Kiggavik lease” and “Kiggavik Project”. The current scope of the licence includes both the St. Tropez claims and Kiggavik leases; however, the St. Tropez claims are incorrectly identified as part of the Kiggavik lease. This amendment request is for clarification regarding the Kiggavik leases and St. Tropez claims, which are more accurately termed collectively as the Kiggavik Project. It is AREVA’s opinion that the proposed amendment does not change the scope of the current licence.

AREVA primarily conducts exploration drilling throughout the Kiggavik lease; however, exploration in the St. Tropez area is also proposed for the 2015 season. The St. Tropez area is wholly owned and operated by AREVA and is composed of 18 mineral claims which will soon be converted to mineral leases. Operations for the Kiggavik Project will continue to be based out of the Kiggavik Camp for both areas. To maintain compliance for the upcoming season, AREVA requests that both the Background section and Part F be revised to reference the Kiggavik Project to adequately refer to the Kiggavik and St. Tropez areas collectively. AREVA suggests revision to update the current text to replace “Kiggavik Lease” with “Kiggavik Project” with potential revisions provided for your consideration as follows:

Background

Current Text:

“The Kiggavik Project is a uranium surface exploration project located approximately 80 kilometres west of the Hamlet of Baker Lake. The project consists of the Kiggavik lease, which contains the Kiggavik site to the north and the Sissions site to the south, as well as the St. Tropez claim, located to the north of the Kiggavik site.”

Potential Revision:

“The Kiggavik Project is a uranium surface exploration project located approximately 80 kilometres west of the Hamlet of Baker Lake. The project consists of the Kiggavik mineral leases as well as the St. Tropez claims, which will be converted to mineral leases in 2015.”

PART F Items 6 and 11:

Current text:

“6. The Licensee is permitted to drill under low flow artesian conditions within all areas encompassed by the Kiggavik Lease provided that appropriate measures are implemented to prevent induced contamination of groundwater or salinization of surface water and that the Licensee adheres to the following...”

“11. If artesian flow is encountered in areas other than the Kiggavik Lease, drill holes shall be immediately sealed and permanently capped to prevent induced contamination of groundwater or salinization of surface waters. The Licensee shall report all artesian flow occurrences within the Annual Report required by Part B Item 2, including the location (GPS coordinates) and dates.”

Potential Revision:

“6. The Licensee is permitted to drill under low flow artesian conditions within all areas encompassed by the Kiggavik Project provided that appropriate measures are implemented to prevent induced contamination of groundwater or salinization of surface water and that the Licensee adheres to the following...”

“11. If artesian flow is encountered in areas other than the Kiggavik Project, drill holes shall be immediately sealed and permanently capped to prevent induced contamination of groundwater or salinization of surface waters. The Licensee shall report all artesian flow occurrences within the Annual Report required by Part B Item 2, including the location (GPS coordinates) and dates.”

To support this amendment request, please find enclosed, the Application for Water Licence Amendment, Amendment Summary, and the associated application fee. Available on request, the following Management Plans provided with the annual report submission on January 29, 2015 also support this application.

- Abandonment and Restoration Plan V5
- Noise Abatement Plan V4
- Radiation Protection Plan V6R3
- Spill Contingency Plan V7R3
- Uranium Exploration Plan V4
- Waste Management Plan V6
- Wildlife Monitoring and Mitigation Plan V5R4

As the amendment request does not include a change to the quantity of licensed water use, the water use fees, which are due on April 25, 2015 for the upcoming year, have been included with this application for convenience. You will find enclosed, the water use fees for Licence No. 2BE-KIG1318 payable to the Receiver General for Canada in the amount of \$1,091.35 combined with the application fee of \$30 for a total of \$1,121.35.

AREVA believes the amendment request remains consistent with the activities previously considered within the original Nunavut Planning Commission (NPC) conformity determination dated December 15, 2006 and the Nunavut Impact Review Board (NIRB) screening decision dated April 3, 2007 with additional terms and conditions dated August 30, 2007. Please note that a copy of this amendment application has been forwarded to the NPC and the NIRB to determine whether the amendment request requires a NPC conformity determination and/or a NIRB screening decision. Should you have any questions or require additional information, please do not hesitate to contact myself at 306-343-4035, Naomi.Stumborg@areva.ca, or John Robbins at 306-343-4513, John.Robbins@areva.ca.

Regards,

Naomi Stumborg
Exploration SHEQ Supervisor

Enclosures: Amendment application form
 Amendment Summary – English/Inuktitut
 Original NPC conformity determination

Original NIRB screening decision
Project maps
Cheque for Application Fee and Water Use Fees

cc: Sean Joseph – Nunavut Water Board
 Robin Ikkutisluuk – Nunavut Water Board
 Brian Aglukark - Nunavut Planning Commission
 Tara Arko - Nunavut Impact Review Board
 Ryan Barry – Nunavut Impact Review Board

Amendment Summary

AREVA Resources Canada Inc. (AREVA) operates the Kiggavik Project, which is a uranium surface exploration project located approximately 80 kilometres west of the community of Baker Lake, Nunavut. The project consists of the Kiggavik mineral leases as well as the St. Tropez claims, which will be converted to mineral leases in 2015. As the Nunavut Water Board (NWB) licence No. 2BE-KIG1318 currently identifies the St. Tropez area under the Kiggavik lease, AREVA is requesting amendment for revision to clarify as the Kiggavik Project, which includes both the Kiggavik and St. Tropez areas.

There are no changes proposed to licensed water quantities or current activities that include diamond drilling, prospecting, geological mapping, and geophysical surveys to further identify and evaluate mineral deposits. Although unlikely, there is potential that studies may be carried out in support of the proposed mine development as well. Consistent with previous years, drill and support crews will commence mobilization to the Kiggavik camp between May and June, with expected completion by September. All operations will continue to be based out of the Kiggavik camp with support by helicopter services.

AREVA recognizes that continued economic and social growth depends on a healthy environment. AREVA is committed to carrying out its field programs in a safe, environmentally responsible and sustainable manner. AREVA's Exploration Department has developed and maintains an Integrated Management System which is ISO 14001:2004 and OHSAS 18001:2007 certified. AREVA is strongly dedicated to avoiding or reducing adverse impacts that our activities may have, and concern for the environment and our personnel is of paramount importance to AREVA.

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Application for Water Licence Amendment

Document Date: April 2013

Application Submission Date: March/19/2015
Month/Day/Year

P.O. BOX 119
GJOA HAVEN, NUNAVUT
XOB 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT IMALIRIYIN KATIMAYIT
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

DOCUMENT MANAGEMENT

Original Document Date: April 2010

DOCUMENT AMENDMENTS

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 7	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	New NWB logo; request for background information; and change to Block 24	April 2013
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



3. NAME OF PROJECT

Has the name of the project changed?

☐ Yes ☒ No

If Yes, indicate the name of the project including the name of the location: _____

4. LOCATION OF UNDERTAKING

Does the proposed amendment change the location of the amended undertaking?

☐ Yes ☒ No

Provide the project extents and camp locations. Identify proposed changes.

Project Extents

NW:	Latitude: (64° 39' 29" N)	Longitude: (97° 57' 50" W)
NE:	Latitude: (64° 39' 21" N)	Longitude: (97° 20' 29" W)
SE:	Latitude: (64° 17' 02" N)	Longitude: (97° 20' 56" W)
SW:	Latitude: (64° 16' 57" N)	Longitude: (97° 58' 46" W)

Camp Location(s)

Latitude: (64° 26' 29" N) Longitude: (97° 39' 34" W)

5. MAP

Does the proposed amendment change the locations of any of the main components of the undertaking?

☐ Yes ☒ No

The majority of the undertaking takes place throughout the Kiggavik mineral leases with a small number of holes expected in the St. Tropez area (originally identified in Figure 1.0 of the 2012 renewal application).

Attach a topographical map, indicating the main components of the undertaking. Identify proposed changes.

Please note the inclusion of viable water sources in the St. Tropez area on Figure 1.0. No changes proposed to main area components of the undertaking (See Figure 2.0).

NTS Map Sheet No.: 66A05; 66A12; 66A11 Map Name: Exploration Areas and Viable Water Sources
Map Scale: 1:125,000

NTS Map Sheet No.: 66A05 Map Name: Kiggavik Main Area Components Map Scale: 1:40,000

6. NATURE OF INTEREST IN THE LAND

Does the proposed amendment change the nature of the interest in the land?

☐ Yes ☒ No

If Yes, indicate changes. _____

Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).

Sub-surface

☐ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: _____ Date of expiry: _____

Surface

☒ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)
Date (expected date) of issuance: [May 30, 2014](#) Date of expiry: [May 29, 2016](#)

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☒ IOL Authorization from Kivalliq Inuit Association (KivIA)
Date (expected date) of issuance: [April 3, 2007](#) Date of expiry: [January 3, 2016](#)

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Commissioner's Land Use Authorization
Date (expected date) of issuance: _____ Date of expiry: _____

☐ Other _____

Date (expected date) of issuance: _____ Date of expiry: _____

Is the name of the entity(s) holding authorizations the same as that considered in the existing water licence?

☒ Yes ☐ No

If No, a licence assignment must be completed and approved by the NWB.

Name of entity(s) holding authorizations:

7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION

Indicate the land use planning area in which the existing project is located.

- | | |
|---------------------------------------|--|
| <input type="checkbox"/> North Baffin | <input checked="" type="checkbox"/> Keewatin |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq |
| <input type="checkbox"/> Akunnig | <input type="checkbox"/> West Kitikmeot |

Does the proposed amendment change the land use planning area?

☐ Yes ☒ No

If yes, indicate the land use planning area in which the amended undertaking is located.

- | | |
|---------------------------------------|---|
| <input type="checkbox"/> North Baffin | <input type="checkbox"/> Keewatin |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq |
| <input type="checkbox"/> Akunnig | <input type="checkbox"/> West Kitikmeot |

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy. [December 15, 2006](#)

Does the proposed amendment change the original NPC conformity determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. _____

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.

8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION

Was a screening determination required from NIRB prior to the issuance of the existing water licence?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy. [April 3, 2007 and January 9, 2009 additional conditions](#)

Does the proposed amendment change the original NIRB screening determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued (or expected) and attach a copy. _____

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING

Does the proposed amendment change the description of the undertaking?

☐ Yes ☒ No

List and attach plans and drawings or project proposal. Identify proposed changes.

10. OPTIONS

Does the proposed amendment change any of the alternative methods and locations that were considered to carry out the project?

☐ Yes ☒ No

Provide a brief explanation of the alternative methods or locations that were considered to carry out the project. Identify proposed changes.

11. CLASSIFICATION OF PRIMARY UNDERTAKING

Indicate the primary classification of undertaking for the existing licence by checking one of the following boxes:

- | | |
|--|--|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Agricultural |
| <input checked="" type="checkbox"/> Mining and Milling (includes exploration/drilling/exploration camps) | |
| <input type="checkbox"/> Conservation | |
| <input type="checkbox"/> Municipal (includes camps/lodges) | <input type="checkbox"/> Recreational |
| <input type="checkbox"/> Power | <input type="checkbox"/> Miscellaneous (describe below): |

Does the proposed amendment change the classification of primary undertaking?

☐ Yes ☒ No

If Yes, indicate the primary undertaking of the amendment: _____

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be updated and submitted with an Application for Amendment. Indicate which SIG(s) are applicable to your application.

- ☐ Hydrostatic Testing
- ☐ Tannery
- ☐ Tourist / Remote Camp
- ☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil
- ☐ Onshore Oil and Gas Exploration Drilling
- ☒ Mineral Exploration / Remote Camp
- ☐ Advanced Exploration
- ☐ Mine Development
- ☐ Municipal
- ☐ General Water Works
- ☐ Power

As per the direction from the NWB Technical Advisor, AREVA has not submitted the SIG that are still in draft form, but rather included relevant information within the summary of its application.

12. WATER USE

Indicate, using the boxes below, the types of water use(s) approved in the existing licence.

- | | |
|--|---|
| <input checked="" type="checkbox"/> To obtain water for camp/ municipal purposes | <input type="checkbox"/> To divert a watercourse |
| <input checked="" type="checkbox"/> To obtain water for industrial purposes | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input type="checkbox"/> To cross a watercourse | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To alter the flow of, or store water | |
| <input type="checkbox"/> Other: _____ | |

Does the proposed amendment change the type(s) of water use(s)?

☐ Yes ☒ No

If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of water use(s) noting any water use(s) that are to be added, continued, or removed.

- | | |
|---|---|
| <input type="checkbox"/> To obtain water for camp/ municipal purposes | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To obtain water for industrial purposes | <input type="checkbox"/> To modify the bed or bank of a watercourse |
| <input type="checkbox"/> To cross a watercourse | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To alter the flow of, or store water | |
| <input type="checkbox"/> Other: _____ | |

13. QUANTITY OF WATER INVOLVED

Does the proposed amendment change the source of water? ☐ Yes ☒ No

Indicate the water source(s). Identify proposed changes.:

Proposed drilling locations for 2015 were provided in the 2014 Annual Report. See Figure 1.0 for viable water sources for both the Kiggvik and St. Tropez areas. The exact water source coordinates proximal to drilling locations will be provided in the subsequent 2015 Annual Report.

(show location(s) on map)

Does the proposed amendment change the quality of the water source and/or its available capacity?

☐ Yes ☒ No

Describe the quality of the water source(s) and the available capacity(s). Identify any changes.: _____

Does the proposed amendment change the overall quantity of water to be used?

☐ Yes ☒ No

Provide the overall estimated quantity to be used. Identify proposed changes. : 299 m³/day – no changes

Does the proposed amendment change the quantity of water to be used from each source?

☐ Yes ☒ No

Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes. :

No change to water quantities - The water proximal to drill sites will be drawn from unnamed ponds or lakes with the appropriate screen as per DFO Guidelines at a maximum rate of 81.76 m³/day for each drill.

Does the proposed amendment change the quantity of water to be used for each purpose?

☐ Yes ☒ No

Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes.:

Camp – 10 m³/day; Drilling – 289 m³/day (no changes)

Does the proposed amendment change the method(s) of extraction?

☐ Yes ☒ No

Describe the method(s) of extraction. Identify proposed changes. : Water pumped from lakes proximal to targets (no changes)

Does the proposed amendment change the quantity(s) of water returned to source(s)?

☐ Yes ☒ No

Estimated quantity(s) of water returned to source(s). Identify proposed changes. : _____ m³/day

Does the proposed amendment change the quality(s) of water returned to source(s)?

☐ Yes ☐ No

Describe the quality(s) of water(s) returned to source(s). Identify any changes. : No changes - Excess waters may be directed back to the source, but quality is not impacted by drilling operations as the water bypasses the drill.

14. WASTE

Check the appropriate box(s) to indicate the types of waste(s) approved in the existing licence.

- | | |
|--|---|
| <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 type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste | |
| <input checked="" type="checkbox"/> Other (describe): Mineralized and non-mineralized drill cuttings | |

Does the proposed amendment change the type(s) of waste(s) to be generated or deposited?

☐ Yes ☒ No

If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of waste(s) to be generated and/or deposited noting the addition, removal or continued generation and/or disposal of waste(s).

- | | |
|--|---|
| <input type="checkbox"/> Sewage | <input type="checkbox"/> Waste oil |
| <input type="checkbox"/> Solid Waste | <input type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Contaminated soil and/or water |
| <input type="checkbox"/> Animal Waste | |
| <input type="checkbox"/> Other (describe): | |

15. QUANTITY AND QUALITY OF WASTE INVOLVED

Does the proposed amendment change the quantity(s) of the types of wastes involved?

☐ Yes ☒ No

Does the proposed amendment change the composition(s) of the types of wastes involved?

☐ Yes ☒ No

Does the proposed amendment change the method(s) of treatment for the types of waste involved?

☐ Yes ☒ No

Does the proposed amendment change the method(s) of disposal for the types of waste involved?

☐ Yes ☒ No

If Yes to any of the above, describe the proposed changes: _____

For each type of waste indicated in Block 14, describe its composition, quantity in cubic meters/day, method of treatment and method of disposal.

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Sewage	Liquid	~6 m ³ /day	NA	Mixed with greywater for disposal into a designated low lying area located directly south of camp
Sewage	Solid	~0.8 m ³ /day	NA	Collected in facto-toilets and incinerated daily with cyclonator incinerator.
Solid Waste	Paper, non-treated wood, food waste, domestic garbage		NA	Incinerated daily
Hazardous	Used aerosol cans, used oil filters			Sorted and stored for transport to an approved facility
Bulky Items/ Scrap Metal	Old non-contaminated drill rods			Sorted and stored for transport
Waste Oil				Sorted and stored for transport to an approved facility
Greywater	Shower and kitchen water	Up to 10 m ³ /day	Kitchen grease and food particles removed inline	Discharged into shallow sump containing punctured drum filled with gravel for filtering
Drill Cuttings (non-mineralized)	Uranium concentration <0.05%			Pumped to a natural low lying depression
Drill Cuttings (mineralized)	Uranium concentration >0.05%			Collected and stored in radioactive storage compound

16. OTHER AUTHORIZATIONS

Does the proposed amendment change the need for other authorizations in addition to the sub-surface and surface land use authorizations provided in Block 6?

☐ Yes ☒ No

If Yes, indicate any additional authorizations required, which authorizations are no longer required, and which authorizations continue to be required.

For each provide the following:

Authorization: _____

Administering Agency: _____

Project Activity: _____

Date (expected date) of issuance: _____ Date of expiry: _____

17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES

Does the proposed amendment change the predicted environmental impacts of the undertaking or the mitigation measures?

☐ Yes ☒ No

Describe direct, indirect, and cumulative impacts related to water and waste. Identify any changes.

18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS

Was compensation paid and/or an agreement(s) for compensation been entered into with any existing or other users of water during consideration of the existing licence?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use by those persons or properties.

Does the proposed amendment adversely affect any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use of those persons or properties.

Advise the Board if compensation has been paid and/or an agreement(s) for compensation has been reached with any existing or other water users with respect to the proposed amendment.

19. INUIT WATER RIGHTS

Was compensation paid/ or an agreement(s) for compensation been entered into with any Designated Inuit Organization (DIO) during consideration of the existing licence?

☐ Yes ☒ No

If Yes, which DIO(s) _____

Does the proposed amendment substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL)?

☐ Yes ☒ No

If Yes, advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more DIO(s) with respect to the proposed amendment.

20. CONSULTATION - Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns.

Consultations were completed each year and reported in the Annual Reports. No concerns with exploration activities were expressed.

21. SECURITY INFORMATION

Does the proposed amendment change the financial security assessment?

☐ Yes ☒ No

Does the proposed amendment change the estimate of the total financial security for final reclamation?

☐ Yes ☒ No

An estimate for total financial security was not submitted with the original water licence application; however, AREVA is working closely with the Kivalliq Inuit Association (KIA) on the arrangements of updated financial security. If required for information purposes, AREVA can forward the security estimates to the NWB. The proposed amendment is editorial and does not result in a change to security estimates.

Provide an estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults. The estimate must also include contingency factors appropriate to the particular work to be undertaken. Identify any changes in the financial security assessment resulting from the proposed amendment.

Where applicable, the financial security assessment should be prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

22. FINANCIAL INFORMATION

Is the statement of financial security the same as that considered in the existing water licence?

☐ Yes ☐ No

A statement of financial security was not included with the original water licence application. Considering the editorial nature of the amendment request, there would be no change to statement of financial securities.

Provide an updated statement of financial security. Not applicable

If the applicant is a business entity please answer the questions below:

Is the list of the officers of the company the same as those considered in the existing water licence?

☐ Yes ☒ No

Provide a list of the officers of the company.

Board of Directors:

Mr. Andreas Mittler – AREVA Mining Business Group
Mr. Jean-Francois Beland – AREVA Canada Inc.
Mr. Vincent Martin – President & CEO
Mr. Jim Corman – VP Operations and Projects
Ms. Tammy Van Lambalgen – VP Regulatory CSR & General Counsel

List of Officers (Senior Management):

Mr. Vincent Martin – President & CEO
Mr. Jim Corman – VP Operations and Projects
Ms. Tammy Van Lambalgen – VP Regulatory CSR & General Counsel
Mr. Tony Van Burgsteden – VP, Finance and CFO
Mr. Dale Huffman – VP Safety, Health, Environment and Quality
Mr. Bruce Walls – VP Human Resources and Industrial Relations

Is the Certificate of Incorporation or evidence of registration of the company name the same?

☒ Yes ☐ No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

23. STUDIES UNDERTAKEN TO DATE

List and attach updated studies, reports, research etc.

Studies done to support the environmental assessment process have been included in Annual Report submissions.

Provide a compliance assessment and status report including a response to any inspector's reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

AANDC identified a non-compliance to Part F item 4 (failure to contain drilling waste) and Part H item 2 (failure to prevent waste deposition into water) during an on-site inspection on July 16, 2014. AREVA subsequently reported the spill of non-mineralized cuttings to the spill report line and relevant authorities. Corrective actions were put in place by relocating excess water discharge and conducting more frequent inspections of the area. The spill report outlining corrective actions was provided to the NWB. AREVA outlines all compliance items within the Annual Report submitted each year. AREVA's response to inspection items from both the KIA and AANDC inspectors can be found in the recent Annual Report submission.

24. PROPOSED TIME SCHEDULE

When are proposed amendments scheduled to be undertaken: [May to September 2015](#)

Does the proposed amendment change the time schedule considered in the existing licence for any phase of development?

☐ Yes ☒ No

Indicate the start and completion dates for each applicable phase of development (construction, operation, closure, and post closure). Identify proposed changes.

[Exploration activities typically run from end of May/beginning of June to September each year.](#)

Construction

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Operation

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

Post - Closure

Proposed Start Date: _____ Proposed Completion Date: _____
(month/year) (month/year)

For each applicable phase of development indicate which season(s) activities occur.

Construction

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Operation

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE

On what date does the existing licence expire? [June 13, 2018](#)

Is the Licensee applying for a combined renewal and amendment of the existing licence?

☐ Yes ☒ No

If Yes, indicate the proposed term of the renewal (maximum of 25 years): _____

Requested date of renewal issuance: _____ Requested Expiry Date: _____
(month/year) (month/year)

(The requested date of renewal issuance must be at least three (3) months from the date of application for a type B water licence and at least one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's *Guide 5: Processing Water Licence Applications* for more information)

26. ANNUAL REPORTING

Will the proposed amendment change the content of annual reports or the annual report template?

☐ Yes ☒ No

If Yes, provide details regarding the content of annual reports and a proposed outline or template of the annual report.

27. CHECKLIST

The following must be included with the application for Amendment for the water licensing process to begin.

Completed Application for Water Licence Amendment form.

✓ Yes ☐ No If no, date expected _____

Information addressing Supplement Information Guideline (SIG), where applicable (see Block 11)

☐ Yes ☒ No If no, date expected **As directed by the NWB Technical Advisor, the SIG are draft only and not used at this time**

Compliance Assessment / Status Report (see Block 23).

✓ Yes ☐ No If no, date expected _____

Indication of Renewal Requirement (see Block 26)

✓ Yes ☐ No If no, date expected _____

English Summary of Amendment Application.

✓ Yes ☐ No If no, date expected _____

Inuktitut and/or Inuinnaqtun Summary of Amendment Application.

✓ Yes ☐ No If no, date expected _____

Application fee of \$30.00 CDN (Payee Receiver General for Canada).

✓ Yes ☐ No If no, date expected _____

Water Use Fee Deposit of \$30.00 CDN (Payee Receiver General for Canada). The actual water use fee will be calculated by the NWB based upon the amount of water authorized for use in accordance with the Regulations at the time of issuance of the licence.

✓ Yes ☐ No If no, date expected
The entire sum of actual water use fees for the licensed amount has been provided in conjunction with this amendment application.

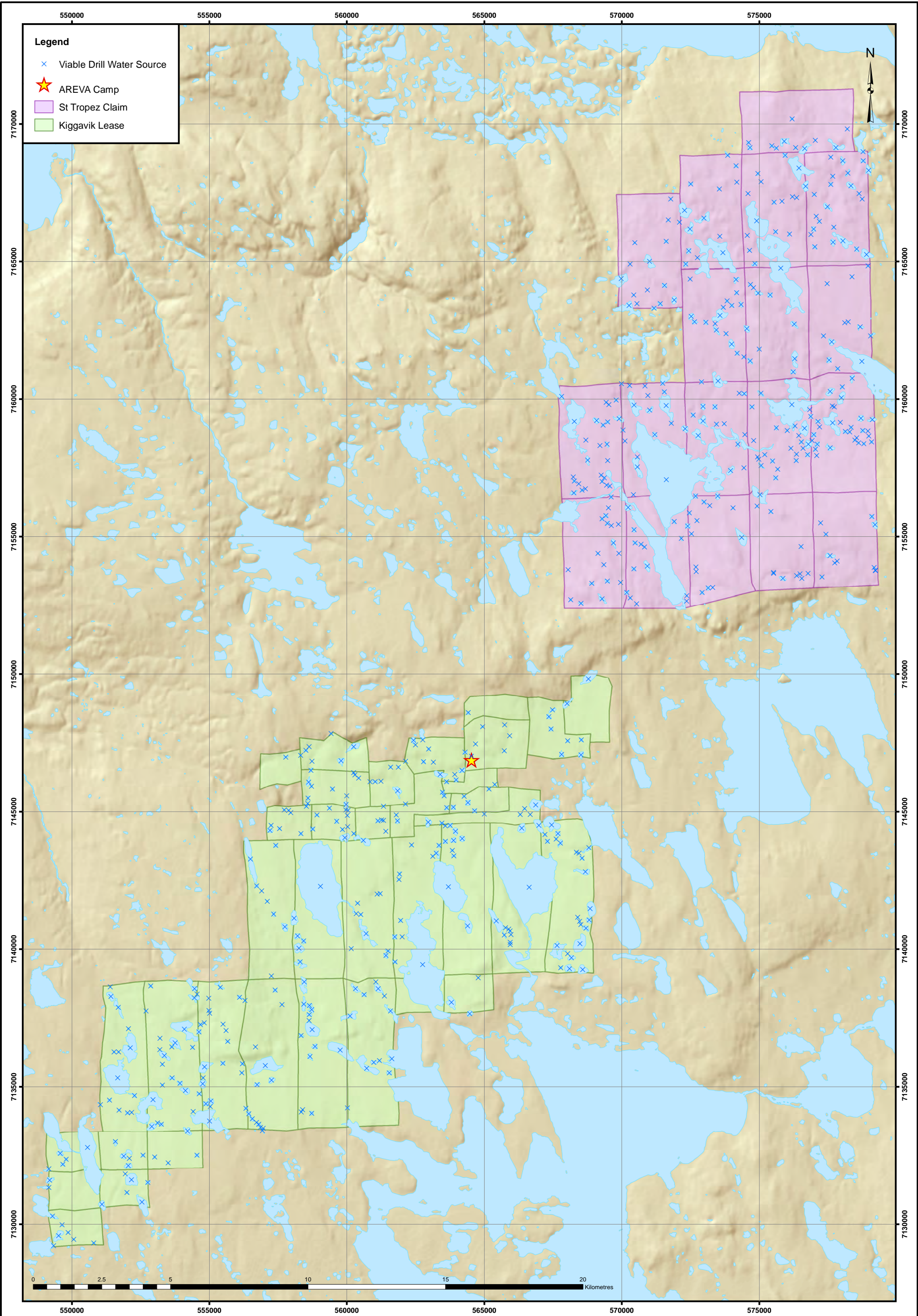
28. SIGNATURE

Naomi Stumborg
Name (Print)

**Exploration Safety,
Health, Environment
and Quality (SHEQ)
Supervisor**
Title (Print)


Signature

March 19, 2015
Date



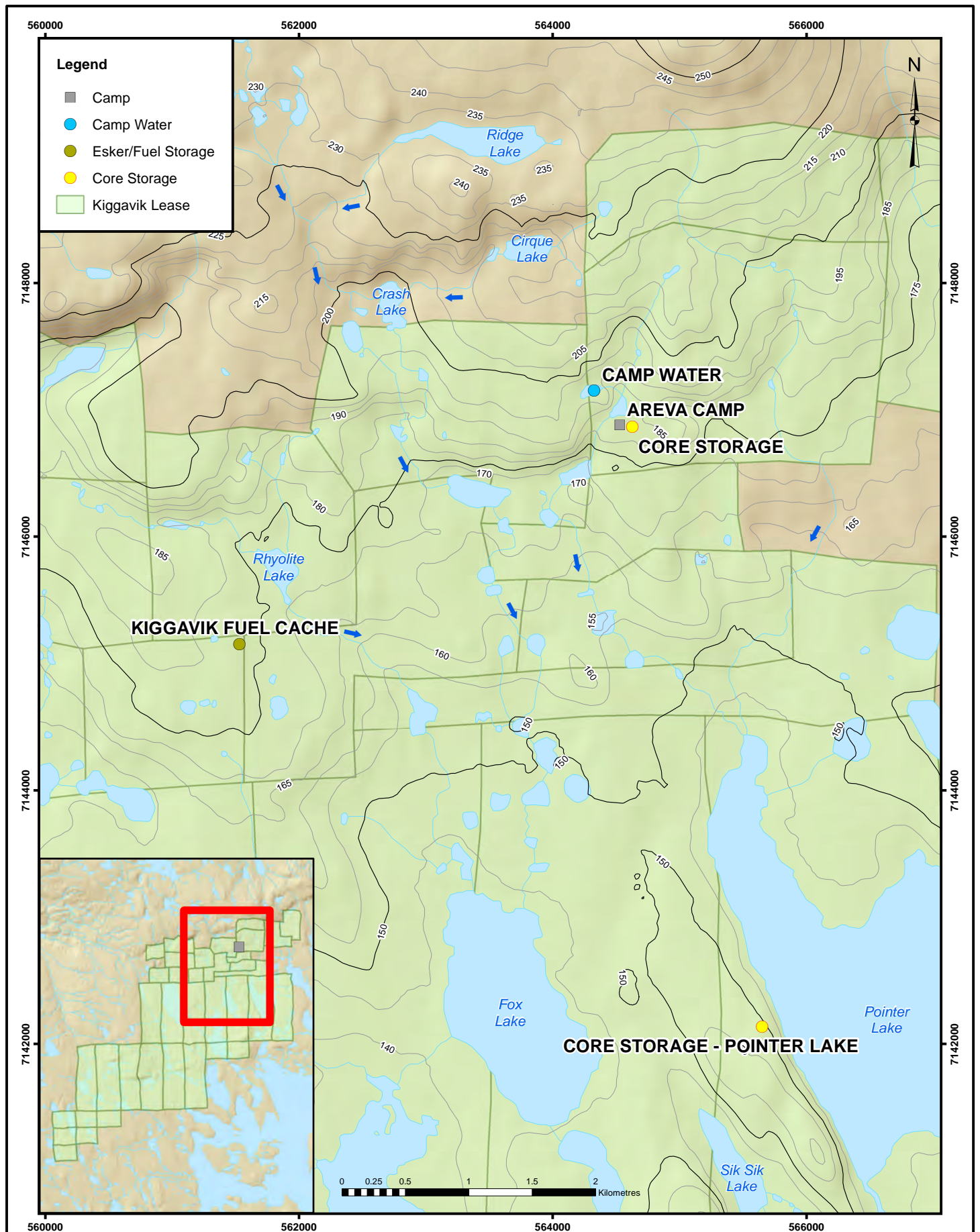
Projection: NAD 1983 UTM Zone 14N
Compiled: N.STUMBORG Drawn: C. COURANT
Date: 03/10/2015 Scale: 1:125,000
File: KI09A035
Data Sources: Natural Resources Canada, Geobase®, Nation
Topographic Database, AREVA Resources Canada
Inc.

EXPLORATION AREAS AND VIABLE WATER SOURCES
FIGURE 1.0

NWB AMENDMENT APPLICATION

**KIGGAVIK
PROJECT**





Projection: NAD 1983 UTM Zone 14N
 Compiled: N.Stumborg Drawn: C.Courant
 Date: 03/11/2015 Scale: 1:40,000
 File: KI09A036
 Data Sources: Natural Resources Canada, Geobase®, Nation
 Topographic Database, AREVA Resources Canada
 Inc.

KIGGAVIK MAIN AREA COMPONENTS

Figure 2.0

NWB Amendment Application

**KIGGAVIK
PROJECT**





Industry Canada

Industrie Canada

**Certificate
of Amendment**

**Canada Business
Corporations Act**

**Certificat
de modification**

**Loi canadienne sur
les sociétés par actions**

AREVA Resources Canada Inc.

333436-8

Name of corporation-Dénomination de la société

Corporation number-Numéro de la société

I hereby certify that the articles of the
above-named corporation were amended:

Je certifie que les statuts de la société
susmentionnée ont été modifiés:

- a) under section 13 of the *Canada Business Corporations Act* in accordance with the attached notice;
- b) under section 27 of the *Canada Business Corporations Act* as set out in the attached articles of amendment designating a series of shares;
- c) under section 179 of the *Canada Business Corporations Act* as set out in the attached articles of amendment;
- d) under section 191 of the *Canada Business Corporations Act* as set out in the attached articles of reorganization;

- ☐ a) en vertu de l'article 13 de la *Loi canadienne sur les sociétés par actions*, conformément à l'avis ci-joint;
- ☐ b) en vertu de l'article 27 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes désignant une série d'actions;
- ☒ c) en vertu de l'article 179 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses modificatrices ci-jointes;
- ☐ d) en vertu de l'article 191 de la *Loi canadienne sur les sociétés par actions*, tel qu'il est indiqué dans les clauses de réorganisation ci-jointes;

Richard G. Shaw
Director - Directeur

May 30, 2006 / le 30 mai 2006

Date of Amendment - Date de modification



Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination
KIGGAVIK Project



Kiggavik Sissons Advanced Exploration Project
Mr. Barry McCallum
Manager Nunavut Affairs
AREVA Resources Canadian Inc. -
P.O. Box 9204
817 - 45th Street West
Saskatoon Saskatchewan S7K 3X5 Canada
Phone: (306) 343-4596
Fax: (306) 343-4640
Mobile: (306) 262-4636
E-mail: barry.mccallum@areva.ca
Camp & helicopter. Prospecting, geological mapping, geochemical and geological
surveys, airborne geophysics & diamond drilling. Environmental baseline work incl
surface hydrology, aquatic and terrestrial components.

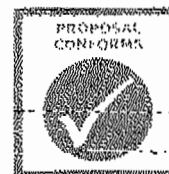
PROJECT CONFORMS TO ALL APPLICABLE TERMS OF THE ...
KEEWATIN REGIONAL LAND USE PLAN.

Please refer to the following eleven pages for details.

Signature of NPC Conformity Determination Officer

Dec. 15/06

Date



ES



Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination

KIGGAVIK Project



ARCHAEOLOGICAL SITES AND ARTIFACTS

*Tent ring. Land users must report the discovery of suspected archaeological sites to the Department of Culture, Language, Elders and Youth (Government of Nunavut).
Photo © Nunavut Planning Commission.*

Conformity Requirement 2.15.8 Artifacts must be left where they are found. All land users are responsible for reporting the location of, or any removal or disturbance of, artifacts to CLEY.

Conformity Requirement 4.3 The NPC and the CMC shall continue to hold a central registry of archaeological sites and continue to monitor land use activities to protect these sites. Information about the location and identity of archaeological sites in specific areas, and the measures necessary to protect them, shall be included in land use permits. Land users shall report the discovery of all suspected archaeological sites to CLEY.

DETERMINATION

The proponent will abide by conformity requirements 2.15.8 and 4.3 (conforms).



PS



Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination
KIGGAVIK Project



CARIBOU PROTECTION

*Caribou at a water crossing.
Land users shall follow the caribou protection measures.*

Conformity Requirement 2.6 Development activities shall be prohibited on all public lands and waters within all caribou calving areas during calving season and within caribou water crossings in the Keewatin, in accordance with the terms of DIAND caribou protection measures contained in Appendix H. Development activities shall be prohibited on IOL within all caribou calving areas during calving season and within caribou water crossings in the Keewatin, in accordance with the KIA caribou protection measures (an example of which is contained in Appendix H.) These measures shall be enforced throughout the region by DIAND, KIA and DSD, to the full extent of their respective jurisdictions.

Conformity Requirement 2.15.7 During the caribou calving, post-calving and migrating seasons, land use activities should be restricted to avoid disturbing caribou, in general, and activities will be governed more specifically by caribou protection measures such as those contained in Appendix H.

DETERMINATION

The proponent will abide by the Caribou Protection Measures (conferred).

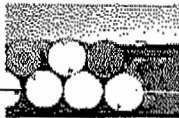


RS



Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination

KIGGAVIK Project



CLEANUP AND POLLUTION

*Fuel drums on the land. Project proponents must undertake to remove old fuel drums.
Photo by Luke Sulak*

Conformity Requirement 2.8

- b) Community residents in particular, and all land users in general, shall be actively involved in planning and conducting cleanup operations, whenever possible and practicable.
- c) Refuse, such as fuel drums and scrap metal, shall be recycled where possible.
- d) Sites containing toxic materials shall be given priority for cleanup, and the location of these sites shall be widely publicized to warn residents.
- e) Sites within or near caribou calving grounds, near water and near communities shall also be given priority for cleanup.

Conformity Requirement 2.9 New occurrences of pollution, garbage and contamination caused by anyone shall be prevented. Land users shall ensure that all drums are safely recovered.

Conformity Requirement 2.10 The principle of "the polluter pays" shall apply to a strategy for cleaning up the environment. Where it is possible to identify the person, company or agency responsible for creating an abandoned or inactive waste site, they shall be made responsible for the cleanup and restoration of the site.

Conformity Requirement 2.15.1 The landscape of each camp and other land use sites will be restored to its original condition to the greatest degree possible. When possible and feasible, old sites will be restored to the natural state. (Code of Good Conduct - Appendix G)

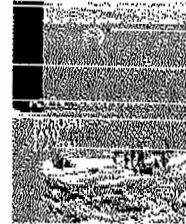
DETERMINATION

The proponent will abide by all conformity requirements (conforms).





Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination
KIGGAVIK Project



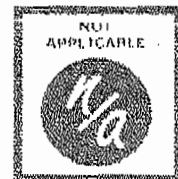
HYDROCARBON EXPLORATION

*Hydrocarbon exploration validity vs. cost.
Hydrocarbon exploration is restricted around Southampton and Coats Islands.
Graphic © PetroConsult Pty Ltd. ent. ring.*

Conformity Requirement 3.8 Hydrocarbon exploration shall continue to be restricted in the area encompassing southern Southampton Island and Coats Island, as at present.

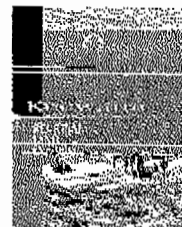
DETERMINATION

The project proposal is not for hydrocarbon exploration in the area encompassing southern Southampton Island and Coats Island (Conformity Requirement 3.8 is not applicable).





Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination
KIGGAVIK Project



HYDROELECTRIC DEVELOPMENT

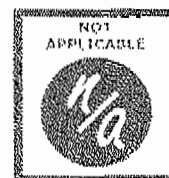
Hydro project in Québec.
Hydro projects in a number of provinces, as well as Nunavut, can have a cumulative effect on James Bay, Hudson Bay and Hudson Strait.

Photo by Michele Ernsting, Radio Netherlands.

Conformity Requirement **Conformity Requirement 2.13** The possible cumulative impacts of additional hydroelectric power development in Manitoba, Ontario and Quebec on the ecosystem of Hudson Bay, James Bay and Hudson Strait must be examined before more hydroelectric development proceeds.

DETERMINATION

The project proposal is not for hydroelectric development (conformity requirement 2.13 is not applicable).





Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination
KIGGAVIK Project



LOCAL PURCHASE OF SUPPLIES AND SERVICES

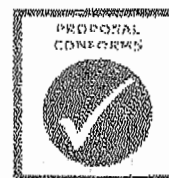
*Taxi at the West Meladine exploration camp.
Land users shall follow the practice of local purchase of supplies and services.*

Photo © WMC Limited.

Conformity Requirement 2.15.5 Whenever practicable, and consistent with sound procurement management, land users will follow the practice of local purchase of supplies and services. (Code of Good Conduct, Appendix G.)

DETERMINATION

The proponent will abide by conformity requirement 2.15.5 (conforms).





Nunavut Planning Commission
 Keewatin Regional Land Use Plan
 Conformity Determination
 KIGGAVIK Project



LOW LEVEL FLIGHTS

Beaver floatplane arriving at a camp.
 Pilots shall avoid disturbance to people and wildlife wherever possible.
 Photo © Luke Coady.

Conformity Requirement 2.15.3 Generally, low-level flights by aircraft at less than 300 metres should not occur where they will disturb wildlife or people. If such flights are necessary, they should only take place after consultation with the appropriate communities. All land users are responsible for reporting to the land managers any illegal or questionable low-level flight.

Conformity Requirement 5.4 Low level flights shall not take place unless absolutely necessary. Should they be necessary, pilots shall avoid disturbance to people and wildlife wherever possible.

DETERMINATION

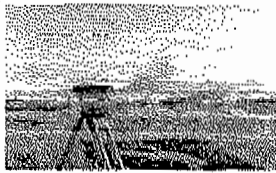
The project proposal does involve absolutely necessary low level flights, the proponent has or will consult with the communities, and pilots will avoid disturbance to wildlife and people (conforms).

Comment:
 Reasonable comments on the necessity of low-level flight





Nunavut Planning Commission
 Keewatin Regional Land Use Plan
 Conformity Determination
 KIGGAVIK Project



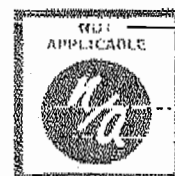
MINE CLOSURE AND RESTORATION

Blasting at a northern mine site.
 The Keewatin Regional Land Use Plan requires restoration plans
 for all proposed mining developments in the Region.
 Photo © Nunavut Planning Commission.

Conformity Requirement 3.4 All proposals for mining developments shall include adequate plans for mine closure and restoration of the site.

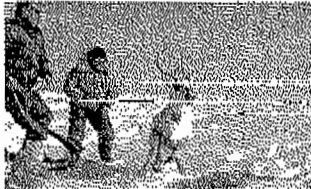
DETERMINATION

The project proposal is not for mining development (conformity requirement 3.4 is not applicable).





Nunavut Planning Commission
 Keewatin Regional Land Use Plan
 Conformity Determination
 KIGGAVIK Project



ACADEMIC AND / OR SCIENTIFIC RESEARCH

*Successfully collaring a caribou.
 Local services and employment shall, whenever possible, be
 incorporated in scientific research programs in the Keewatin*

Photo © Robert Mulders

Conformity Requirement 6.2 Local and traditional knowledge shall be sought and, when available and relevant, shall be integrated with the scientific knowledge.

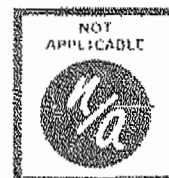
Conformity Requirement 6.3 Research programs conducted in the Keewatin shall, where possible, rely on local services and local employment.

Conformity Requirement 6.4 All scientific researchers shall communicate with the communities in clear, non-technical language in Inuktitut and English. Scientific researchers shall communicate the results of their research to the communities.

Conformity Requirement 6.5 Academic and scientific researchers shall make all reasonable efforts to consult the NRI concerning research topics or fields that would be of benefit and interest to local residents.

DETERMINATION

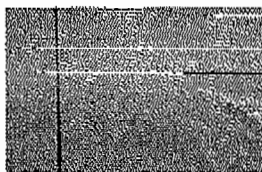
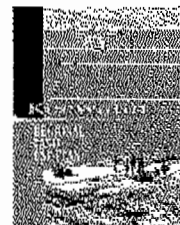
The project proposal does not involve academic and/or scientific research (conformity requirements are not applicable).





Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination

KIGGAVIK Project



TRANSPORTATION AND/OR COMMUNICATIONS CORRIDORS :

Proposals for transportation corridors shall be publicly reviewed, and may lead to amendment of the Plan.

Photo © Nunavut Planning Commission.

Conformity Requirement 5.6 All parties wishing to develop a transportation and/or communications corridor shall submit to the NPC a detailed application for an amendment. This application must include an assessment of alternative routes, plus the cumulative effects of the preferred route. It shall provide reasonable options for other identifiable transportation and utility facilities. In particular, this application must meet the information requirements set out in Appendix J.

Conformity Requirement 5.7 The NPC and either NRR or a panel acting under s. 12.4.7 of the NLCA shall publicly review the proposed corridor to determine whether the proposal adequately meets the requirements of Appendix J and the guidelines of Appendix J. Once it is determined that a proposal meets the guidelines, the NPC may request the Minister of DIAND to amend the plan to include the new transportation corridor.

DETERMINATION

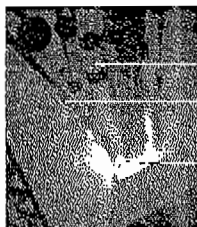
The project proposal is not for the development of a transportation and/or communications corridor (conformity requirements 5.6 and 5.7 are not applicable).





Nunavut Planning Commission
Keewatin Regional Land Use Plan
Conformity Determination

KIGGAVIK Project



URANIUM DEVELOPMENT

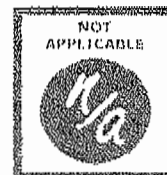
Uranium development is currently not permitted in the Keewatin Planning Region.

Conformity Requirement 3.5 Uranium development shall not take place until the NPC, NTRB, the NWB and the NWMB have reviewed all of the issues relevant to uranium exploration and mining. Any review of uranium exploration and mining shall pay particular attention to questions concerning health and environmental protection.

Conformity Requirement 3.6 Any future proposal to mine uranium must be approved by the people of the region.

DETERMINATION

The project proposal is not for uranium development (conformity requirements 3.5 and 3.6 are not applicable).



- c) the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or
- d) the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.

NIRB Assessment and Decision

After a thorough assessment of all material provided to the Nunavut Impact Review Board (NIRB or Board) (see Appendix D), the decision of the Board as per section 12.4.4 of the NLCA is:

12.4.4 (a): the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5.

NIRB Recommendations and Recommended Conditions

Although this project proposal is not located within known calving grounds for the Beverly caribou herds, the Board recognizes that the project area may be used for spring-migration, post-calving, and late summer activities for the Beverly caribou herd. In addition, the Board also recognizes that the Thelon Heritage River is considered to be part of Canada's Heritage River System, and understands that some of the project activities, such as geophysical survey flying, will be taking place approximately 10km from the river. Therefore, the Board is recommending broader terms and conditions because of the sensitivities of the Beverly caribou herd and the importance of the Thelon Heritage River. They are the following:

1. As an overriding consideration, Indian and Northern Affairs Canada (INAC) impose strict mitigation measures, conditions and monitoring requirements pursuant to the Federal Land Use Permit, which require AREVA (the Proponent) to respect the sensitivities and importance of the area. These mitigation measures, conditions and monitoring requirements should be in regard to:
 - a. Location and Area
 - b. Time
 - c. Equipment
 - d. Methods and Techniques
 - e. Control or Prevention of Flooding, Erosion and Subsidence of Land
 - f. Use, Storage, Handling and Disposal of Chemical or Toxic Material
 - g. Wildlife and Fisheries Habitat
 - h. Objects and Places of Recreational, Scenic and Ecological Value
 - i. Petroleum Fuel Storage
 - j. Matters Not Consistent with the Regulations
2. INAC must consider the importance of conducting regular Land Use Inspections, pursuant to the authority of the Federal Land Use Permit, while the project is in operation. The Land Use Inspections should be focused on ensuring the Proponent is in compliance with the DIAND Caribou Protection Measures.
3. INAC recognize that any activity related to this application (INAC Land Use Permit application N2006C0037) outside the original scope of the project proposal **will** be considered a new project and must be submitted to NIRB for screening. In addition, NIRB recommends that any renewal requests for the project proposal should be forwarded to NIRB for re-screening.

4. The Kivalliq Inuit Association (KIA) impose strict mitigation measures and/or Environment Terms and Conditions pursuant to the Inuit Owned Lands License (KVK306C02) in regard to:
 - a. General Standards
 - b. Fuel and Chemical Storage
 - c. Campsites
 - d. Fisheries
 - e. Ground Disturbance
 - f. Wildlife
 - g. Any other conditions recommended by the appropriate Community Lands and Resource Committee (CLARC)
5. KIA recognize that any activity related to this application (KIA Inuit Owned Lands License KVL306C02) outside the original scope of the project proposal **will** be considered a new project and must be submitted to NIRB for screening. In addition, NIRB recommends that any renewal requests for the project proposal should be forwarded to NIRB for re-screening.
6. The Government of Nunavut – Department of Environment (GN-DOE) Conservation Officers should conduct random inspections of the project location during the months of May, June, July and August to ensure the Proponent is in compliance with the DIAND Caribou Protection Measures.
7. The GN-DOE should conduct on-going review of wildlife monitoring results submitted from the Proponent as required by the Wildlife Mitigation and Monitoring Plan. Following submission of the required annual report by January 31, 2008 to NIRB, INAC, the KIA and the GN-DOE, the GN-DOE should report to NIRB and INAC its findings regarding the possible impact of the project on the Beverly and Ahiak caribou herds. As noted in correspondence provided to NIRB, the GN recommended a one-year Land Use Approval to be issued, subject to the findings of the 2007 GN/GNWT Population Surveys of the Beverly and Ahiak Caribou Herds.

In addition, the Board is recommending the following or similar project-specific terms and conditions be imposed upon the Proponent through all relevant legislation pursuant to 12.4.4(a) of the NLCA:

1. The term of the permitted activities associated with Land Use Permit N2006C0037 and Inuit Owned Lands License KVL306C02 is subject to any findings, direction or advice received by INAC and the KIA from the GN-DOE as a result of the 2007 GN/GNWT Population Surveys of the Beverly and Ahiak Caribou Herds.
2. AREVA (the Proponent) shall maintain a copy of this Screening Decision at the site of operation at all times.
3. The Proponent shall forward copies to NIRB of all permits obtained and required for this project prior to the commencement of the project.
4. The Proponent shall operate in accordance with commitments stated in Appendix A and all Operation Plans provided to NIRB, namely:
 - a. Spill Contingency Plan
 - b. Abandonment and Restoration Plan
 - c. Noise Abatement Plan
 - d. Waste Management Plan

- e. Wildlife Mitigation and Monitoring Plan
 - f. Radiation Safety Plan
 - g. Environmental Code of Practice
5. The Proponent shall submit an annual report with copies provided to the NIRB, INAC, the KIA, and GN-DOE by January 31 each year that the project is in operation commencing January 31, 2008. The report must contain, but not be limited to, the following information:
 - a. A summary of activities undertaken for the year and a work plan for the following year;
 - b. The results of environmental studies undertaken and plans for future studies;
 - c. A discussion of the implementation of the Operational Plans, and analysis regarding the effectiveness of the Operational Plans to mitigate adverse environmental impacts;
 - d. Specific to the Wildlife Mitigation and Monitoring Plan: the results from the Caribou Monitoring Program, wildlife encounters and actions/mitigation taken, an analysis of the effectiveness of mitigation measures for wildlife and any anticipated follow-up monitoring program(s);
 - e. A discussion regarding the effects to human health from uranium exploration activities;
 - f. A summary of local hires and initiatives;
 - g. A summary of community consultations
 - h. A summary of site-visits by Land Use Inspectors with results and follow-up actions, including those approvals given by Land Use Inspectors regarding Caribou Protection Measures;
 - i. Site photos;
 - j. Progressive reclamation work undertaken;
 - k. Efforts made to achieve compliance with the *Canadian Wide Standards for Dioxins and Furans*, and the *Canadian Wide Standards for Mercury*; and
 - l. A summary of how the Proponent has complied with NIRB conditions contained within this Screening Decision, and the conditions associated with all authorizations for the project proposal.
 6. The Proponent shall abide by all DIAND Caribou Protection Measures and those mitigation measures outlined in the Wildlife Mitigation and Monitoring Plan.
 7. The Proponent shall be prohibited to allow aircraft take-offs and landings when groups of caribou are within 1km of the airstrip or helipad.
 8. The Proponent must immediately update its Wildlife Mitigation and Monitoring Plan to include the following requirement:
 - a. Section 2.1 *During June and July* – To avoid injuries to caribou and humans, if one or more caribou approach within **1km** of drilling operations, then activities will be suspended until caribou leave the area.

Any subsequent direction provided by the Government of Nunavut Department of Environment and/or the Kivalliq Inuit Association regarding the Caribou Monitoring Plan must be forwarded to NIRB.
 9. The Proponent shall ensure that there is no hunting or fishing by employees of the company or any contractors hired unless proper Nunavut authorizations have been obtained.
 10. The Proponent shall ensure that the disposal of combustible camp wastes comply with the *Canadian Wide Standards for Dioxins and Furans*, and the *Canadian Wide Standards for*

Mercury. Efforts made to achieve compliance shall be reported to the NIRB as part of the annual report.

11. The Proponent shall adhere to conditions stated in attached Appendix B *Archaeological and Palaeontological Resources – Terms and Conditions for Land Use Permit Holders*

12. The Proponent shall avoid the known archaeological and/or palaeontological sites listed in Appendix C.

Validity of Land Claims Agreement

Section 2.12.2

Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated ____April 3, 2007____ at Sanikiluaq, NU.



Lucassie Arragutainaq, A/Chairperson

Appendix A

Summary of Proponent Commitments

1. The disturbances to permafrost will be mitigated by insulating the floors of buildings, and keeping the sump area and incinerator area small, raising the incinerator above the ground.
2. Disturbance to soil and vegetation will be minimized by using walkways. After more than 20 years of camp operation at the site, there is very little sign of disturbance.
3. The impact of helicopter and airplane noise and presence on wildlife and people will be mitigated by avoiding wildlife during flights and avoiding low flying. This will require ongoing communication and diligence.
4. The presence of wildlife will be carefully monitored to ensure minimal disturbance. Daily wildlife sitting records will be maintained and these will be used to plan work so that wildlife disturbance will be minimized. The information will also be provided to management boards and regulatory authorities.
5. Water quality will be protected from spills and drilling by use of protective procedures and containments.
6. Greywater will be treated through sumps and carefully monitored to ensure containment. No garbage will remain onsite.
7. The camp will be decommissioned when no longer used.
8. No fuel, drill cuttings, chemicals, wastes or sediment will be deposited into any water body as per the *Fisheries Act*, Section 36(3).
9. Sumps, including those created for the disposal of drill cuttings will be located above the high water mark of any water body in such a manner as to prevent the contents from entering any water body frequented by fish.
10. Drilling additives or mud will not be used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the water or demonstrated to be non-toxic.
11. Land based drilling will not occur within 30 m of the high water mark of any water body.
12. Materials will not be stored on the surface ice of lakes or streams. Materials on the ice surface must be for immediate use.
13. If an artesian flow is encountered, the drill hole will be immediately plugged and permanently sealed.
14. In terms of the winter road:
 - a. Travel will not begin until the ground is sufficiently frozen to provide support and to avoid surface damage and rutting.
 - b. Stream crossings shall be located to minimize approach grades. Bank disturbance will be avoided and mechanized clearing will not be done immediately adjacent to any watercourse
 - c. Winter lake/stream crossings will be constructed entirely of ice and snow materials; stream crossings will be removed or notched prior to spring break-up

Appendix B



BACKGROUND

Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

The archaeological record of the Inuit of Nunavut is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence, which shall be expressed in terms of special rights and responsibilities. [33.2.1]

The archaeological record of Nunavut is of spiritual, cultural, religious and educational importance to Inuit. Accordingly, the identification, protection and conservation of archaeological sites and specimens and the interpretation of the archaeological record is of primary importance to Inuit and their involvement is both desirable and necessary. [33.2.2]

In recognition of the cultural, spiritual and religious importance of certain areas in Nunavut to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of the Nunavut Land Claims Agreement. [33.2.5]

Palaeontology

Under the Nunavut Act¹, the federal government can make regulations for the protection, care and preservation of palaeontological sites and specimens in Nunavut. Under the *Nunavut Archaeological and Palaeontological Sites Regulations*², it is illegal to alter or disturb any palaeontological site in Nunavut unless permission is first granted through the permitting process.

Definitions

As defined in the *Nunavut Archaeological and Palaeontological Sites Regulations*, the following definitions apply:

“archaeological site” means a place where an archaeological artifact is found.

¹ s. 51(1)

² P.C. 2001-1111 14 June, 2001

“archaeological artifact” means any tangible evidence of human activity that is more than 50 years old and in respect of which an unbroken chain of possession or regular pattern of usage cannot be demonstrated, and includes a Denesuline archaeological specimen referred to in section 40.4.9 of the Nunavut Land Claims Agreement.

“palaeontological site” means a site where a fossil is found.

“fossil” includes:

- (a) natural casts
- (b) preserved tracks, coprolites and plant remains; and
- (c) the preserved shells and exoskeletons of invertebrates and the eggs, teeth and bones of vertebrates.

Terms and Conditions

- 1) The permittee shall not operate any vehicle over a known or suspected archaeological or palaeontological site.
- 2) The permittee shall not remove, disturb, or displace any archaeological artifact or site, or any fossil or palaeontological site.
- 3) The permittee shall immediately contact the Department of Culture, Language, Elders and Youth (867) 934-2046 or (867) 975-5500 or 1 (866) 934-2035 should an archaeological site or specimen, or a palaeontological site or fossil be encountered or disturbed by any land use activity.
- 4) The permittee shall immediately cease any activity that disturbs an archaeological or palaeontological site encountered during the course of a land use operation, until permitted to proceed with the authorization of the Department of Culture, Language, Elders and Youth, Government of Nunavut.
- 5) The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological or palaeontological sites to an acceptable condition.
- 6) The permittee shall provide all information requested by the Department of Culture, Language, Elders and Youth concerning all archaeological sites or artifacts and all palaeontological sites and fossils encountered in the course of any land use activity.
- 7) The permittee shall make best efforts to ensure that all persons working under authority of the permit are aware of these conditions concerning archaeological sites and artifacts, and palaeontological sites and fossils.
- 8) The permittee shall avoid the known archaeological and/or palaeontological sites listed in Attachment 1.

9) The permittee shall have an archaeologist or palaeontologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth:

- a) survey
- b) inventory and documentation of the archaeological or palaeontological resources of the land use area
- c) assessment of potential for damage to archaeological or palaeontological sites
- d) mitigation
- e) marking boundaries of archaeological or palaeontological sites
- f) site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.

Appendix C
Confidential Archaeological Sites

Appendix D File History

On November 29, 2006, the Nunavut Impact Review Board (NIRB) received a project proposal from AREVA for the Kiggavik-Sissons project proposal from the Kivalliq Inuit Association. On November 30, 2006 NIRB notified AREVA that an NPC conformity determination would be required for the project proposal, and also requested additional information from the Proponent. A positive conformity determination was received on December 15, 2006.

On February 1, 2007 NIRB received the requested information from the Proponent, and on February 5, 2007 commenced the Part 4 Screening. NIRB requested interested Parties provide comments to NIRB by February 26, 2007.

The project is located approximately 80km west of Baker Lake.

The project activities include:

- Satellite remote sensing
- Aircraft remote sensing to collect airborne geophysics data
- Soil sampling supported by helicopter
- Sediment sampling
- On-land drilling supported by helicopter
- Winter overland transportation of goods
- Construction of temporary wooden camp, and expansion of existing structures
- Fuel transportation and storage
- Chemical transportation and storage
- Core storage
- Environmental baseline work consisting of field surveys conducted on foot and supported by helicopter
- Ground geophysical surveys conducted on foot and supported by helicopter
- Geological mapping and prospecting conducted on foot and supported by helicopter
- Possible landing of aircraft with tundra tires on eskers
- Consumption of water and generation of waste

This application was distributed to Baker Lake and to interested Federal and Territorial Agencies.

On February 19, 2007 the Government of Nunavut – Department of Environment requested additional time to review the project information. Subsequently, NIRB granted all Parties until March 12, 2007 to provide comments to NIRB.

By March 12, 2007 NIRB received comments from the following interested Parties:

- Mr. Orin Durey of Baker Lake
- The Government of Nunavut Department of Environment
- The Government of Nunavut Department of Culture, Language, Elders and Youth
- The Beverly and Qamanirjuaq Caribou Management Board
- Environment Canada

Concerns regarding the project proposal were expressed by all interested Parties except for the Department of Culture, Language, Elders and Youth.

The main concerns related to:

- Project activities occurring in lands used by Beverly and Ahiak caribou herds for calving and post-calving
- Potential impacts to caribou from drilling, geophysical surveys, unavoidable low-level flights, and aircraft activity in general
- The necessity of a rigorous wildlife monitoring with particular emphasis on caribou
- Potential impacts to humans and wildlife, including grizzly bears, wolverines, wolves foxes, and raptor nesting areas from noise, human-carnivore interactions and general disruption
- Omissions regarding details about the winter road, including concerns related to use of winter trail prior to completion of the NIRB Part 4 Screening process
- Omissions in the Spill Contingency Plan
- Insufficient information contained within the Abandonment and Restoration Plan, such as details pertaining to the disposal of radioactive sediment, reclamation of the helicopter landing pad, testing for contaminated soils
- Potential for cumulative effects with other projects in the area
- Potential for impacts to air quality related to incineration of wastes
- Proximity of the project proposal to the Thelon Canadian Heritage River, and recognition of the Thelon Game Sanctuary Management Plan, the Thelon Wildlife Sanctuary, and the associated Special Management Areas
- Clarification regarding use of eskers to access project locations

One of the specific comments provided by GN-DOE was to limit the time period of the permit to one-year only (2007). This is to allow for additional review in the following year (2008) after completion of the 2007 GN/GNWT Population Surveys of the Beverly and Ahiak Caribou Herds related to herd population trends and the potential impact of exploration activities.

NIRB provided AREVA with the opportunity to respond to all the comments and concerns by March 20, 2007.

On March 20, 2007 NIRB received AREVA's response to Parties' comments, which included the following:

1. Revised NIRB Part 1 Screening Form in English and Inuktitut
2. Revised NIRB Part 2 Screening Form
3. Revised Spill Contingency Plan
4. Revised Abandonment and Restoration Plan
5. Noise Abatement Plan (new)
6. Waste Management Plan (new)
7. Wildlife Mitigation and Monitoring Plan (new)
8. Radiation Protection Plan (new)
9. Revised Figure 2: Project Location
10. Figure 11: Proposed Aerial Survey Blocks for Caribou Monitoring (new)
11. Figure 12: Winter Road Options for 2007 Exploration Program (new)

- Secondary containment or a surface liner (drip pans, fold-a-tanks, etc) should be placed under all container or vehicle fuel tank inlet and outlet points, hose connections and hose ends during fuel or hazardous substance transfers.
- All releases of harmful substances, regardless of quantity should be immediately reported.

After a thorough assessment of the amendment application information, the NIRB has determined that this request will result in a change to the original scope of the project. Therefore, the NIRB is re-issuing the recommended Terms and Conditions contained in the April 3, 2007 Screening Decision, NIRB file No.: 06AN085 (attached). NIRB is also recommending the following additional Terms and Conditions be incorporated into the INAC Land Use Permit for this project.

Spill Contingency Plan

1. The Proponent (AREVA) is required to consult and implement the recommendations found in the 2003 CCME Guidance Document PN 1326 entitled "Environmental Code of Practice for Above Ground and Underground Storage Tank Systems containing Petroleum Product and Allied Petroleum Products".
2. The Proponent is required to revise its Spill Contingency Plan regarding this amendment and conduct proper personnel re-training as per the revised Spill Contingency Plan. The Proponent is required to submit the revised Spill Contingency Plan to NIRB and other regulators within 30 days of issuance of this decision. The revised Spill Contingency Plan should include, but not be limited to, the following items:
 - The quantity of the proposed double-walled tanks and the site layout plan.
 - Design considerations for safe operation and maintenance.
 - Operation, maintenance and inspection procedures.
 - Emergency response plan (worst-case scenarios, i.e. fire, collision by vehicles etc.).
3. The Proponent is required to ensure a secondary containment or a surface liner (drip pans, fold-a-tanks, etc) with adequate size and volume, be utilized during all fuel or hazardous substance transfers.
4. The Proponent shall provide sufficient absorbent materials and spill kits during fuel transportation, storage, and transfers.

Drilling and disposal of radioactive substances

5. The Proponent is required to use biodegradable and non-toxic additives. The Canadian Environmental Protection Act lists CaCl as a toxic substance.
6. Drill holes that encounter uranium mineralization with a content greater than 1.0% over a length of more than 1 meter with a metre-percent concentration greater than 5% should be sealed by cementing over the entire mineralization zone; this should be at least 10 meters above and below each mineralization zone.
7. All land-based artesian holes shall be documented, plugged and sealed with grout.
8. Core storage areas should be located at least 100 meters from the high waterline of all water bodies.

Physical Environment

9. The Proponent shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging. The Proponent shall suspend overland travel of equipment or vehicles if rutting occurs.
10. The Proponent shall ensure that the additional camp facilities are located on gravel, sand or other durable land.
11. The Proponent shall ensure the new sleeping units are properly designed such that no degradation occurs to permafrost.
12. Final inspections of the entire site should be conducted by the Proponent and the lead agency to ensure that all areas of the site have been reclaimed in accordance with all authorizations.

NIRB would like remind the Proponent that the land use permit issued by INAC will be reviewed after the expiry of this permit on April 9, 2008, and will be subject to any findings, direction or advice received by INAC and the Kivalliq Inuit Association (KIA) from the Government of Nunavut Department of Environment (GN-DOE) as a result of the 2007 GN/GNWT Population Surveys conducted of the Beverly and Ahlak Caribou Herds (NIRB Term and Condition #1, Screening Decision Report #06AN085).

If you have any questions or concerns, feel free to contact the NIRB's Technical Advisor, Li Wan at (867) 983-4608 or liwan@nirb.nunavut.ca.

Sincerely,



Kevin Buck
Director, Technical Services

Cc: Barry McCallum, AREVA Resources Canada Inc. (barry.mccallum@areva.ca)
Cindy Parker, Environment Canada. (cindy.parker@ec.gc.ca)

Appendices: Appendix A: List of Species at Risk in Nunavut.
Appendix B: Government of Nunavut – Department of Culture, Language, Elders and Youth, Standard Terms and Conditions.

Attachment: April 3, 2007 Screening Decision Report, NIRB File No.:06AN085

APPENDIX A

Species at Risk in Nunavut

This list includes species listed on one of the Schedules of SARA (*Species at Risk Act*) and under consideration for listing on Schedule 1 of SARA. These species have been designated as at risk by COSEWIC (Committee on the Status of Endangered Wildlife in Canada). This list may not include all species identified as at risk by the Territorial Government.

- Schedule 1 is the official legal list of Species at Risk for SARA. SARA applies to all species on Schedule 1. The term “listed” species refers to species on Schedule 1.
- Schedule 2 and 3 of SARA identify species that were designated at risk by the COSEWIC prior to October 1999 and must be reassessed using revised criteria before they can be considered for addition to Schedule 1.
- Some species identified at risk by COSEWIC are “pending” addition to Schedule 1 of SARA. These species are under consideration for addition to Schedule 1, subject to further consultation or assessment.

Schedules of SARA are amended on a regular basis so it is important to periodically check the SARA registry (www.sararegistry.gc.ca) to get the current status of a species.

Updated: **January 3, 2007**

Species at Risk	COSEWIC Designation	Schedule of SARA	Government Organization with Lead Management Responsibility ¹
Eskimo Curlew	Endangered	Schedule 1	EC
Ivory Gull	Endangered ²	Schedule 1	EC
Peregrine Falcon (subspecies anatum)	Threatened	Schedule 1	Government of Nunavut
Ross's Gull	Threatened	Schedule 1	EC
Harlequin Duck (Eastern population)	Special Concern	Schedule 1	EC
Felt-leaf Willow	Special Concern	Schedule 1	Government of Nunavut
Peregrine Falcon (subspecies tundrius)	Special Concern	Schedule 3	Government of Nunavut
Short-eared Owl	Special Concern	Schedule 3	Government of Nunavut
Fourhorn Sculpin	Special Concern	Schedule 3	DFO
Peary Caribou	Endangered ³	Pending	Government of Nunavut
Beluga Whale (Eastern Hudson Bay population)	Endangered	Pending	DFO
Beluga Whale (Cumberland Sound population)	Threatened	Pending	DFO
Beluga Whale (Western Hudson Bay population)	Special Concern	Pending	DFO

Beluga Whale (Eastern High Arctic – Baffin Bay population)	Special Concern	Pending	DFO
Bowhead Whale (Hudson Bay-Foxe Basin population)	Threatened ⁴	Pending	DFO
Bowhead Whale (Davis Strait-Baffin Bay population)	Threatened ⁴	Pending	DFO
Porsild's Bryum	Threatened	Pending	Government of Nunavut
Atlantic Walrus	Special Concern	Pending	DFO
Narwhal	Special Concern	Pending	DFO
Rusty Blackbird	Special Concern	Pending	Government of Nunavut
Barren-ground Caribou (Dolphin and Union population)	Special Concern ³	Pending	Government of Nunavut
Grizzly Bear	Special Concern	Pending	Government of Nunavut
Polar Bear	Special Concern	Pending	Government of Nunavut
Wolverine (Western Population)	Special Concern	Pending	Government of Nunavut

¹ Environment Canada has a national role to play in the conservation and recovery of Species at Risk in Canada, as well as responsibility for management of birds described in the Migratory Birds Convention Act (MBCA). Day-to-day management of terrestrial species not covered in the MBCA is the responsibility of the Territorial Government. Populations that exist in National Parks are also managed under the authority of the Parks Canada Agency. EC = Environment Canada, DFO = Department of Fisheries and Oceans

² Designated as Endangered by COSEWIC in April 2006 and it is expected that the category of concern in SARA will also be changed from Special Concern to Endangered.

³ Peary Caribou was split into three separate populations in 1991: Banks Island (Endangered), High Arctic (Endangered) and Low Arctic (Threatened) populations. The Low Arctic population also included the Barren-ground Caribou - Dolphin and Union population. In May 2004 all three population designations were de-activated, and the Peary Caribou, *Rangifer tarandus pearyi*, was assessed separately from the Barren-ground Caribou (Dolphin and Union population), *Rangifer tarandus groenlandicus*. The subspecies *pearyi* is composed of a portion of the former "Low Arctic population" and all of the former "High Arctic" and "Banks Island" populations, and it was designated Endangered in May 2004. Although SARA lists Peary Caribou on Schedule 2 as three separate populations, the most current designation is the COSEWIC designation of the subspecies *pearyi* as Endangered.

⁴ The "Eastern and Western Arctic populations" of Bowhead Whale were given a single designation of Endangered in April 1980 by COSEWIC. These were split into two populations to allow separate designations in April 1986. The Eastern population was not re-evaluated in April 1986, but retained the Endangered status of the original "Eastern and Western Arctic populations". The Eastern Arctic population was further split into two populations (Hudson Bay-Foxe Basin population and Davis Strait-Baffin Bay population) in May 2005, and both these populations were designated as Threatened. Both these populations are under consideration for addition to Schedule 1. Although SARA lists the Eastern Arctic population as Endangered (Schedule 2), the most current designation is the COSEWIC designations of the Hudson Bay-Foxe Basin and Davis Strait-Baffin Bay populations as Threatened.

APPENDIX B

Government of Nunavut – Department of Culture, Language, Elders and Youth Standard Terms and Conditions



BACKGROUND

Archaeology

As stated in Article 33 of the Nunavut Land Claims Agreement:

The archaeological record of the Inuit of Nunavut is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence, which shall be expressed in terms of special rights and responsibilities. [33.2.1]

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- a) survey
- b) inventory and documentation of the archaeological or palaeontological resources of the land use area
- c) assessment of potential for damage to archaeological or palaeontological sites
- d) mitigation
- e) marking boundaries of archaeological or palaeontological sites
- f) site restoration

The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit or a Nunavut Palaeontologist Permit, all procedures subsumed under the above operations.