

- 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 Ahiak 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]

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 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.



NWB Tools

Megan Porter <megan.porter@nwb-oen.ca>

[Licensing] Fwd: AREVA Application for Water Licence Amendment

Phyllis Beaulieu <phyllis.beaulieu@nwb-oen.ca>
To: Licensing Department <licensing@nwb-oen.ca>

Mon, Mar 23, 2015 at 7:46 AM

Would one of you please begin the process for this amendment. Not sure at this point who will be admin or tech, but save the application and get Doreen to create it, thanks.

One more email coming.



Phyllis Beaulieu- ᐱᕐᕐ ᐱᕐᕐ

Manager of Licensing- Responsable des Permis

Mariyauyuq Laisaliginomun

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT

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www.nwb-oen.ca

P.O. Box 119
Gjoa Haven, NU, X0B 1J0

C.P. 119
Gjoa Haven (Nunavut), X0B 1J0

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Tingagagvia 119
Uqhuqtuq, NU, X0B 1J0

Tel / Téléphone / ᐅᐅᐅᐅ / Hivayauta: (867) 360-6338 | Fax / Télécopieur / ᐅᐅᐅᐅᐅ / Fax-kut: (867) 360-6369
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From: STUMBORG Naomi (AREVA Resources CANADA) <naomi.stumborg@areva.ca>

Date: Thu, Mar 19, 2015 at 2:10 PM

Subject: AREVA Application for Water Licence Amendment

To: "Phyllis Beaulieu (phyllis.beaulieu@nwb-oen.ca)" <phyllis.beaulieu@nwb-oen.ca>

Cc: "Sean Joseph (sean.joseph@nwb-oen.ca)" <sean.joseph@nwb-oen.ca>, "Robin Ikkutisluk (robin.ikkutisluk@nwb-oen.ca)" <robin.ikkutisluk@nwb-oen.ca>, "tarko@nirb.ca" <tarko@nirb.ca>, "aglukark@npc.nunavut.ca" <aglukark@npc.nunavut.ca>, "rbarry@nirb.ca" <rbarry@nirb.ca>, "ROBBINS John (AREVA Resources Canada)" <John.Robbins@areva.ca>, "FORSEILLE Stephanie (AREVA Resources Canada)" <Stephanie.Forseille@areva.ca>, "ZUNTI Daniel (AREVA)" <Daniel.Zunti@areva.com>, "BLAIN Mario (AREVA Resources Canada)" <Mario.Blain@areva.ca>

Good afternoon Phyllis,

Please see attached, AREVA's amendment request for further clarifying the wording of the NWB licence 2BE-KIG1318. If you have any questions, please contact myself or John Robbins (John.Robbins@areva.ca).

Please note, that I will be leaving my current position as of April 17, 2015. Please contact Stephanie Forseille in my absence (Stephanie.Forseille@areva.ca or 306-343-4693).

Regards,

Naomi Stumborg

Exploration SHEQ Supervisor

AREVA Resources Canada Inc.

Tel: (306) 343-4035

Fax: (306) 343-4632

Naomi.Stumborg@areva.ca

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