Kiggavik Project
Final Environmental Impact Statement

Tier 1 Appendix 1A
Conformity

September 2014

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1 Introduction

1.1 Purpose

In May 2012, AREVA's Draft Environmental Impact Statement for the Kiggavik Project was determined to conform with the guidelines given by NIRB for the development of the EIS. Since the technical review period commenced, AREVA has received Information Requests (IR), Technical Comments (TC), and requirements following the Pre-Hearing Conference (PHC) to be addressed in a final EIS. This appendix provides a guide to the revisions made from the draft to the final environmental impact statement by cross-referencing the IR, TC, and PHC requirements with the location of the relevant information added in the Final Environmental Impact Statement (FEIS), identified by Tier, Volume or Appendix, and Section number. The concordance table is intended to assist reviewers in confirming AREVA has conformed to the requirements of the Pre-Hearing Conference Decision.

1.2 Brief EIS History

The final NIRB "Guidelines for the Preparation of an Environmental Impact Statement for AREVA Resources Canada Inc.'s Kiggavik Project (NIRB File No. 09MN003)" (NIRB 2011) were issued in May of 2011. AREVA submitted the Draft Environmental Impact Statement in December 2011, with an addendum in April 2012. In May 2012, the NIRB determining that with the latter submission, the DEIS successfully conformed to the NIRB guidelines. For reference, the conformity table which facilitated the determination of conformance of the draft EIS has been included as an electronic attachment to this volume.

Two review periods followed: the Information Request stage, completed in January 2013, and the Technical Review stage, completed in May 2013. The NIRB hosted an in-person technical meeting in Rankin Inlet, Nunavut in May 2013, with Community Roundtable and Pre-Hearing Conference hosted in Baker Lake, Nunavut in June 2013. Following the Pre-Hearing Conference, the NIRB issued the "Preliminary Hearing Conference Decision Concerning the Kiggavik Project (NIRB File No. 09MN003)" in July 2013.

As noted above, on May 4, 2012, the NIRB determined the DEIS to have addressed the requirements and intent of the NIRB "Guidelines for the Preparation of an Environmental Impact Statement for AREVA Resources Canada Inc.'s Kiggavik Project (NIRB File No. 09MN003)" (NIRB 2011). Since that time, greater clarity, consistency and, in some cases, greater detail has been provided within AREVA's responses to Information Requests (January 2013) and Technical Comments (May 2013). AREVA commitments for the FEIS and requirements from the regulatory review are listed in the NIRB Preliminary Hearing Conference Decision (July 2013).

1.3 Preparation of the Final Environmental Impact Statement

The PHC Decision issued by the NIRB on July 5, 2013 contained a regulatory history, summary of submissions, and guidance for the preparation and submission of the Kiggavik Project FEIS. Preparation of the FEIS is based on:

- the 177 proponent commitments made in the technical comment response submission on May 8, 2013 (PHC Decision Appendix 1);
- the re-wording or modification of 21 (of 177) commitments drafted during technical meetings and prior to the conclusion of the PHC (PHC Decision Appendix 2);
- the 94 requirements for the preparation of the FEIS resulting from the technical meetings (PHC Decision Appendix 2);
- two requirements added post-technical meeting and the re-wording of one requirement from the technical meeting (PHC Decision Appendix 2)
- the 25 statements of further direction for the preparation of the FEIS from the NIRB (PHC Decision Section 3.2.1);
- integration of content provided in the DEIS Addendum and IR responses into the FEIS (IR regulatory submission on January 31, 2013); and
- opportunities for improvement including the addition of newly available information (regulatory, community, western science, IQ, or traditional ecological knowledge) and improved wording and clarity where deemed appropriate.

1.4 The Kiggavik Project Site

Since submission of the Kiggavik DEIS, a surface land exchange between the Government of Canada and the Kivalliq Inuit Association was finalized. Land Parcel RE-32 was obtained by the Government of Canada to facilitate the creation of Ukkusiksalik National Park and Land Parcels RE-EX32 and RE-RE32 were obtained by the Kivalliq Inuit Association based on the potential development of non-renewable resources. Land Parcel RE-EX32 coincides with the proposed Kiggavik Project. Figure 1.4-1 illustrates the result of the surface land exchange arrangement. Figure 1.4-2 illustrates the updated land designations, with the site layout for the Project.

In the revisions to the DEIS, AREVA has focussed on the important updates to the content of the Tier 1 and Tier 2 documents, with edits made in Tier 3 documents only as warranted by commitments or requirements made subsequent to the issuance of the draft EIS. As several Tier 3 documents were consultant reports requiring only the addition of supporting information, in several cases this information has been provided with a concise attachment. As a result, Tier 3 documents which did not otherwise require updates have not been provided new drawings.

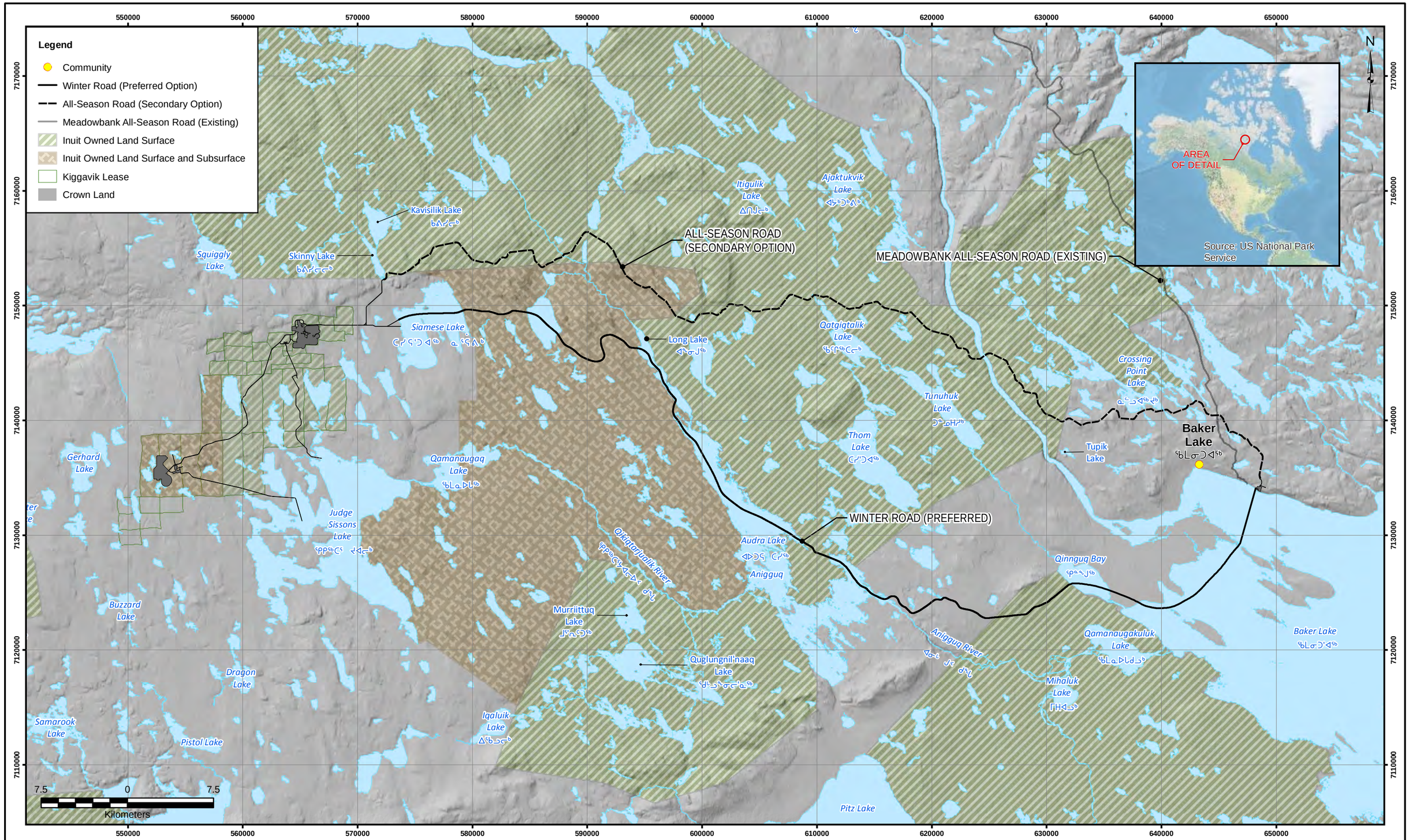

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FIGURE 1.4-1
PROJECT COMPONENTS ON INUIT OWNED LAND

ENVIRONMENTAL IMPACT STATEMENT
APPENDIX 1A

KIGGAVIK PROJECT

AREVA

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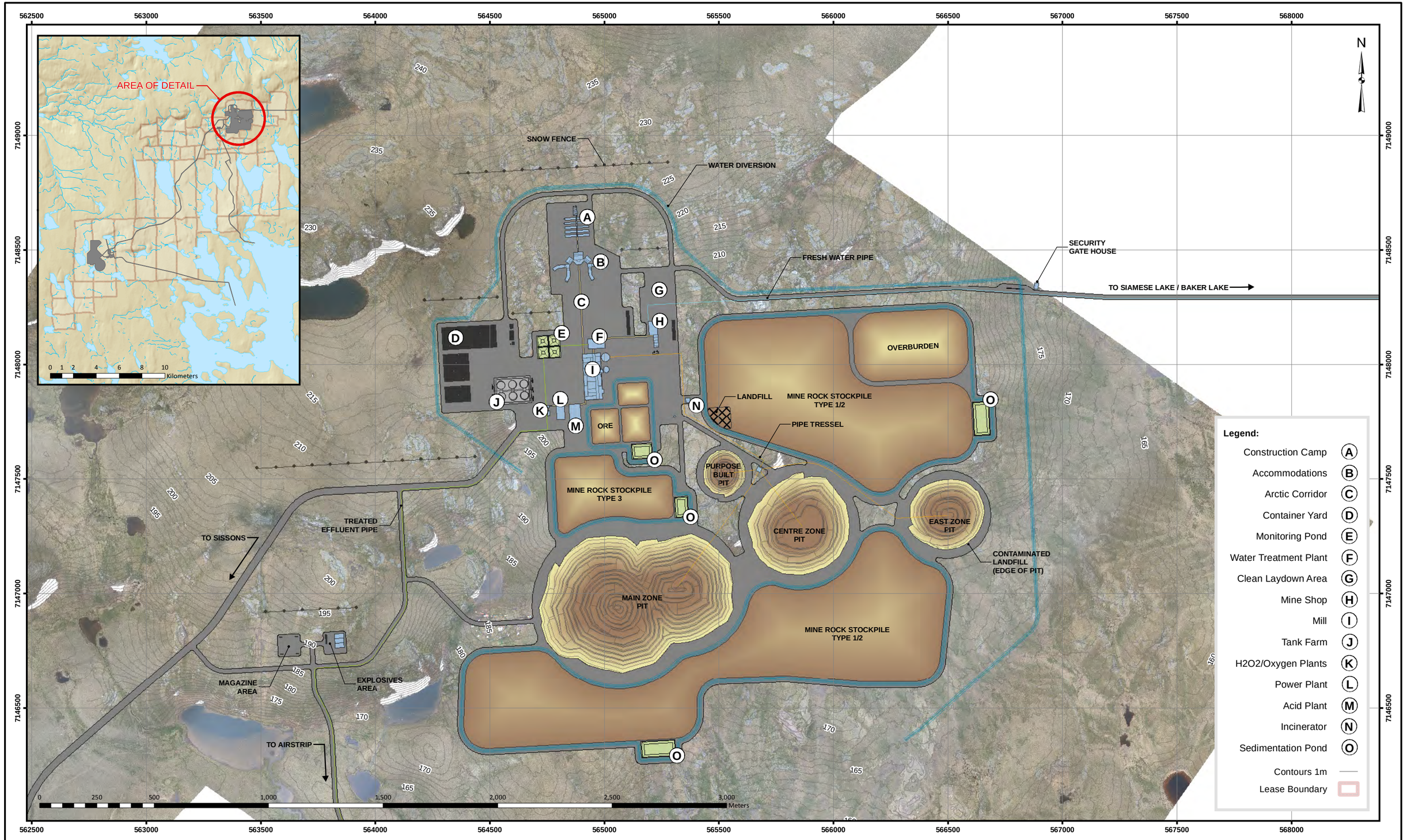

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FIGURE 1.4-2
KIGGAVIK GENERAL SITE LAYOUT

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APPENDIX 1A

Kiggavik Project

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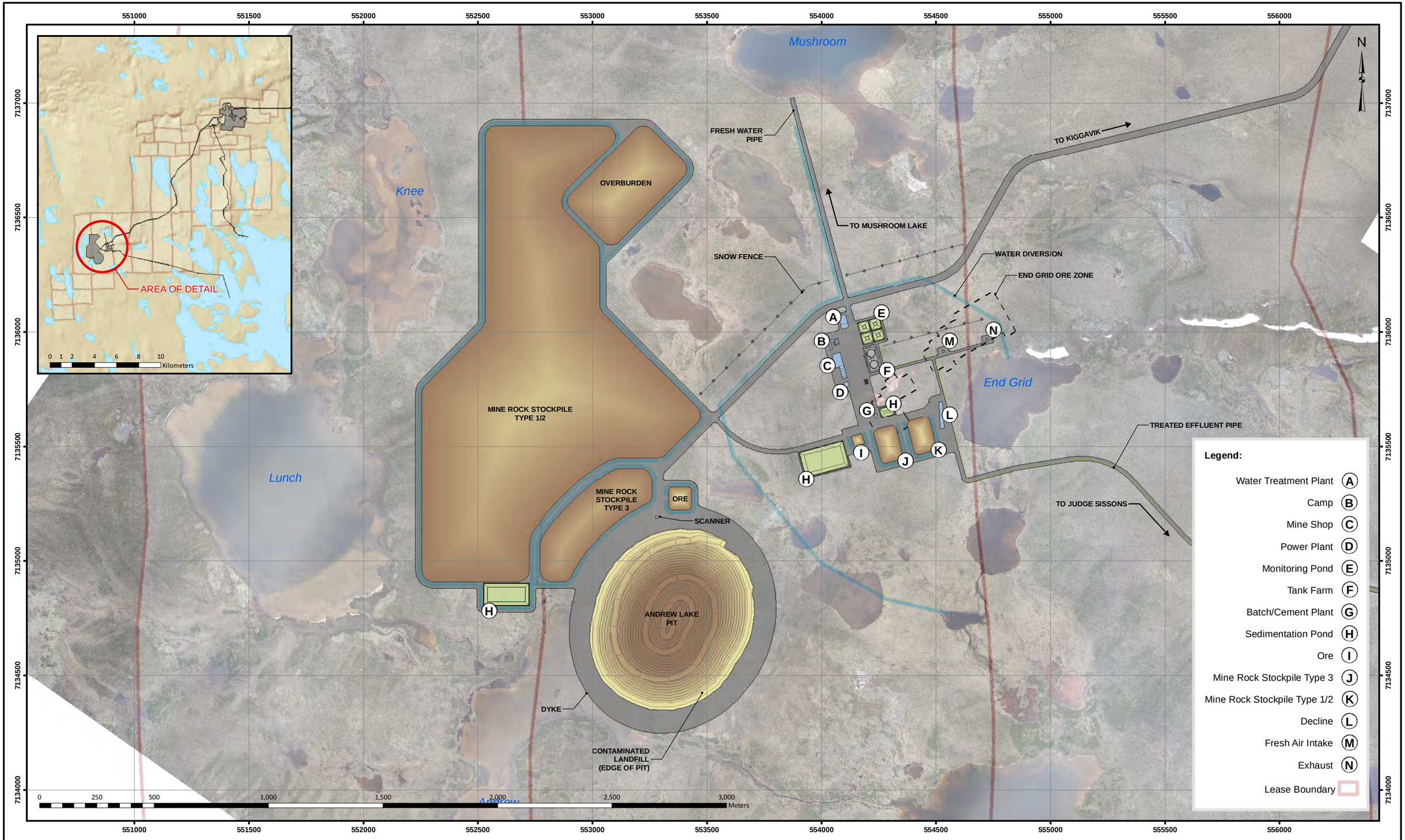

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FIGURE 1.4-3
SISSONS GENERAL SITE LAYOUT

ENVIRONMENTAL IMPACT STATEMENT
APPENDIX 1A

File: Q:\SHEQ\GIS\KIGGAVIK\2014\EIS\Volume 1 - Main Document\Maps\Volume 1 - Tier 1\Appendix 1A\Maps\MXD\Figure 1.4-3 Sissons General Site Layout.mxd

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1.5 Highlights of the Final EIS

Many updates in the final environmental impact statement focused on integration of information provided in responses to Information Requests and Technical comments and were undertaken to provide greater clarity and consistency throughout the document. There are also several areas where, through direction, guidance or encouragement, substantial improvement has been made to the assessment in the preparation of the final environmental impact statement. AREVA wishes to highlight a few of these specific improvements, as they serve to illustrate Piliriqatigiinniq, working together for a common cause.

1.5.1 Continued Engagement of Stakeholders

In late 2013 and early 2014, AREVA conducted a tour of communities in the Kivalliq region to hold open house forums and stakeholder meetings to discuss the advancement of the environmental assessment, in accordance with AREVA's community engagement plan. The tour provided AREVA with the opportunity to discuss the direction and requirement provided by the Preliminary Hearing Conference Decision with a variety of stakeholders and further integrate their comments into the final EIS. During the community tour, and on other occasions over the intervening 15 months, AREVA organized meetings with local hunter and trappers organizations (HTO) to further inform mitigation plans for potential project interactions with wildlife. Notably, AREVA met with the Chesterfield Inlet HTO to collect IQ data and information on land use which further informed the discussion of social and ecological context (Tier 1, Appendix 1F). AREVA also facilitated an IQ workshop in the community of Baker Lake.

1.5.2 Integration of Inuit Qaujimajatuqangit and Engagement Information

In discussions at the technical meetings, the community roundtable and the pre-hearing conference, AREVA was encouraged to further collect and integrate Inuit Qaujimajatuqangit (IQ) into the environmental assessment and was given advice and direction on the use of IQ in the FEIS. AREVA was asked to further distinguish between company-led engagement information and IQ. This FEIS has endeavored to accomplish the task of illustrating clearly how IQ has been used in, and had an influence on, the development of the project. As well, AREVA has identified issues raised by community members during engagement sessions and shown how community issues have been addressed within the assessments and mitigation plans. Although IQ and engagement are distinct and one does not replace the need for the other, the holistic nature of IQ means the information gained from IQ and engagement are often complementary information. Tier 2, Volume 3 of the FEIS has been developed to analyze and present IQ and engagement information collected by AREVA over the course of the project development thus far through a variety of means. Further, within each discipline-specific Tier 2 volume, AREVA has included a description of IQ and engagement information and discussed the influence it has had on the assessments conducted for that discipline.

1.5.3 Protection of Caribou

Caribou are of primary concern to residents in the Kivalliq; AREVA has used IQ and engagement information to modify baseline studies and has worked collaboratively with other interested stakeholders to better understand caribou at the herd and regional levels. Subsequent to the PHC, AREVA has met with the Beverly-Qamanirjuaq Caribou Management Board (BQCMB) and the local Baker Lake Hunters and Trappers association to better understand and address issues which they, and others, had identified during both the Information Request and Technical Comment stages of the NIRB process. Consequently, the terrestrial wildlife assessment has been updated and expanded to include an analysis of caribou energetics and population modeling of the Qamanirjuaq herd to provide a perspective on the potential project effects, and the potential cumulative effects of the project, in conjunction with other anthropogenic activities within its range. Working with these groups has resulted in better information for decision making.

1.5.4 Advancement of Management Plans

During the technical meeting there were concerns that AREVA had not provided sufficient detail in management plans for some reviewers to evaluate the efficacy of management plans as mitigation, and regulators sought clarity on how various plans would satisfy needs within their regulatory mandate. Management plans have been advanced according to AREVA's systematic approach to managing project-environment interactions and potential environmental effects throughout the life of the Kiggavik Project. The Environmental Management Plan, Appendix 2T, provides the structure which aligns the various requirements outlined in the NIRB guidelines with elements of regulatory requirements of the Nunavut Water Board, other regulators and of the Canadian Nuclear Safety Commission (CNSC). Specifically, the CNSC requirement for an Integrated Management System (IMS),_CNSC REGDOC- 2.9.1 Environmental Protection and CSA Standard N286-12 Management System Requirements for Nuclear Facilities) is outlined. The AREVA Integrated Management System (IMS) encompasses not only the management of environmental protection, but also health, safety, and quality management throughout the life of the Project.

1.5.5 Consideration of Additional Species

In the draft EIS, a collection of representative species were selected to evaluate ecological risks. Feedback from the technical meetings and community roundtable identified that stakeholders wanted AREVA to evaluate and present analysis of specific species, most notably grizzly bear, wolf, wolverine and shorebirds. The final EIS has included these species in the assessment.

1.5.6 Improvements in Baseline Data

AREVA requested 15 months to advance the draft EIS to the final version understanding that time would be required to revise the technical content of the EIS, integrate IQ and engagement data, and

meet with stakeholders on key issues. AREVA has taken advantage of the time available to improve environmental baseline data collection and integration to the degree possible given logistical constraints, short field seasons, appropriate timing of baseline collection efforts, and the capacity of authorizing agencies to process approvals to allow for fieldwork to be conducted within the appropriate time frames (e.g. research licenses, wildlife research permits). Most notably, additional aquatic baseline data was collected examining water quality, benthic organisms, aquatic habitats and lake-bottom sediments.

1.6 Conformity Tables

Three tables are provided to facilitate confirmation that this Final EIS conforms with the requirements and intentions of the Pre-Hearing Conference Decision.

- Table 1.6-1 identifies requirements arising directly from the pre-hearing conference decision.
- Table 1.6-2 lists Information Requests from various intervenors the responses of which required integration into the final EIS.
- Table 1.6-3 identifies revisions to the EIS resulting from the addendum submitted in April 2012, responses to technical comments, and revisions initiated by AREVA.
- Table 1.6-4 outlines the responses to the BQCMB, based on discussions held subsequent to the Pre-hearing Conference.

In each table, the FEIS Tier, Volume or Appendix and Section are provided to facilitate review. The conformity table accompanying the DEIS submission in April 2012 demonstrating that the DEIS addressed the requirements of the NIRB guidelines is provided as Attachment A in the electronic and online versions of the FEIS.

Kiggavik Project
Final Environmental Impact Statement

Tier 1 Technical Appendix 1A:
Conformity Table

Preliminary Hearing Conference

September 2014

Preliminary Hearing Conference Decision: Section 3.2.1, Appendix 1, and Appendix 2				Final Environmental Impact Statement (FEIS) September 2014			
Original	**Revised**	**Original (Earlier) Wording**	**Revised Wording**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**
1A	NIRB 2	Update the DEIS Volume 2 Section 2.3-Policy and Regulatory Framework to include a comprehensive list of relevant regulation and requirements o Addition of Nunavut's Scientist Act to the list of Applicable Territorial Acts, Regulations, and Guidelines (DEIS Volume 2 Table 2.3-2 (pg. 2-12) and on-going communication with the GN with respect to research to better ensure licensing requirements are efficiently obtained o As outlined in the response to IR KIA32, the Water Compensation Agreement with the KIA will be added to Table 1.8-1 in DEIS Tier 1, Volume 1, Main Document, Section 1.8.3 to be consistent with its inclusion in Table 2.3-3 (found in DEIS Tier 2, Volume 2, Project Description and Assessment Basis, Section 2.3.5)	PHC NIRB 2: Regulatory Framework (AREVA Commitment 1A) – In addition to the commitment provided, update the DEIS Volume 2, Section 2.3 Policy and Regulatory Framework to include the most current information and guidance from DFO and NRCan on the application of the Fisheries Act and the Navigable Waters Protection Act to the Project. If it appears likely that any approvals or authorizations will no longer be legally required, address in the FEIS how any expected licence requirements will be addressed in the development of the Project.	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 2.3.1.2	Applicable Federal Acts and Regulations, and applicable territorial acts, regulations and guidelines were updated in Volume 2 Section 2.3.1.2
1B			All vessels transiting through and operating in Canadian Arctic waters will comply with the Arctic Waters Pollution Prevention Act and the Canada Shipping Act.	Tier 3	Appendix 2J - Marine Transport	Section 1.2	AREVA acknowledges that all vessels transiting in Canadian Arctic waters will comply with all applicable Acts and regulations.
1C			Aerodromes will be constructed to meet Aerodrome standards.	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6.2	Aerodrome standards are addressed in Volume 2 Section 10.6.2
1D			AREVA will provide additional information on how it is and will continue to meet the NTI policy principles for sustainable uranium development in Nunavut in DEIS Volume 2 Section 2.3-Policy and Regulatory Framework in the FEIS submission.	Tier 1; Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis	Tier 2 Volume 2 section 2.3.2. Tier 3 Appendix 1C Section C-5	NTI policy principles for sustainable uranium development in Nunavut are presented in Appendix 1C to Volume 1 Section C5. Text referring to Concordance Table added to Tier 2 Volume 2 Section 2.3.2 and Tier 1 Volume 1 Section 1.8.1.
1E			AREVA will provide a summary of biophysical and socio-economic interactions in the FEIS	Tier 1	Volume 1	Appendix 1DII, Section 1.2	Interactions between the biophysical environment and the socio-economic environment are discussed in Tier 1, Appendix 1DII, Section 1.2
1F			A consistent presentation of the determination of significance will be presented across volumes in the FEIS	Tier 1; Tier 2	provided in comment column		Technical Appendix 1D-III; Volume 4 Part 1 - Air Quality and Climate; Volume 4 Part 2 - Noise & Vibration; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 8 - Human Health; Volume 9 Part 2 - Heritage Resources; Volume 9 Part 1 - Socio-Economic Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment Methodology on significance presented in Assessment methodology sections in Volumes 4 to 10 and significance summary tables are compiled and presented in Tier 1 Appendix 1DIV
1G			Add the Thelon Heritage River to the Project Inclusion List as a designated area	Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E Attachment A	Heritage Rivers have been added to the Project Inclusion List
2A			In the FEIS document, AREVA will ensure that all project fact sheets and summary documents include a standard consistent description of the project's anticipated operating life.	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 4.5	AREVA has clarified the FEIS with a standard description of the project's anticipated life. Figure 4.5-1 details the anticipated Project Schedule
2B			In the FEIS document, AREVA will clearly state in the main body of the report that a maximum of 1,000,000 tonnes of ore will be stockpiled throughout the mine life. The annual expected stockpile inventory will be clearly stated in the body of the report with the expected environmental effects and mitigation measures in the FEIS	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2H - Ore Storage	Volume 2 Section 5.3; Appendix 2H Section 2.1	The maximum ore stockplie size of 1,000,000 t has been clarified in Volume 2 Section 5.3 and Appendix 2H Section 2.1
2C			Update the FEIS by adding an appendix to Volume 2 detailing the main conversion factors.	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section Conversion Factors	A section on Conversion Factors has been added to Volume 2
2D			Update the FEIS Volume 2 by adding figures (sections) showing the relationship between the project (ramps and drifts) and the bedrock geology (the ore body).	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 5.5.3.2	Figures have been added to Volume 2 Section 5.5.3.2
2E			AREVA will provide a brief explanation of the use of socio-economic criteria used in alternatives assessment in the FEIS	Tier 3	Appendix 2A - Alternatives	Appendix 2A Section 2.3	Only relevant socio-economic criteria which were relevant were considered in the alternatives assessment. If all alternatives would score the same, that criteria was not used for the alternatives assessment. Additional information on the evaluation of socio-economic criteria in alternatives is presented in Appendix 2A AREVA Addendum Section 2.3.

Preliminary Hearing Conference Decision: Section 3.2.1, Appendix 1, and Appendix 2				Final Environmental Impact Statement (FEIS) September 2014			
Original	**Revised**	**Original (Earlier) Wording**	**Revised Wording**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**
2F			AREVA will remove the incorrect statement in the Final EIS regarding assumption of hydrostatic to surface in-situ stress at End Grid.	Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5B Section 4.3.3.7	The incorrect statement regarding insitu hydrostatic stress has been removed from Appendix 5B Section 4.3.3.7
2G			AREVA will include the additional geologic information provide during the IR stage in the FEIS.	Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5B Section 4.2.1.2	The geologic information provided in the Technical Comments has been provided in Appendix 5B Section 4.2.1.2. Additionally, further updates to the geology have been provided in Appendix 5B Section 2.4.1.
2H			AREVA will include the information regarding the geochemistry of tailings pore waters as described in this technical comments in the FEIS	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J section 6.3, 6.3.2, Attachment C	The information summarized in the technical comment response is included in Appendix 5J in Sections 6.3, 6.3.2, and Attachment C
2I			AREVA will provide the information provided in this technical comment on attrition of resin in the RESIN in Pulp process in the FEIS	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 7.5.3	The technical comment response on resin attrition has been added to Volume 2 Section 7.5.3
2J	PHC-14	AREVA will discuss the consolidation of tailings and options to decrease the length of time required for consolidation to occur, as requested, during the technical sessions.	[KIA] Update commitment 2J to read that it would be discussed in the FEIS. "AREVA will discuss the consolidation of tailings and options to decrease the length of time required for consolidation to occur in the FEIS:"	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J Section 5.4.3	Additional information outlines measures that can be taken to decrease the amount of time required for consolidation is provided in Appendix 5J Section 5.4.3
2K			Update the DEIS Volume 2 Section 14.2.5 - Sewage Treatment to include the effluent criteria in the Wastewater Systems Effluent Regulations SOR/2012-139 Fisheries Act Registration 2012-06/29	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2I - Water Management Plan	Volume 2 Section 14.2.5; Appendix 2I Section 3.4	Fisheries act regulation has been incorporated into the effluent discharge requirements in Volume 2 and Appendix 2I.
2L			Clarify in the Final EIS that sewage generated from the Kiggavik and Sissons sites will not be transported to Baker Lake for disposal	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 14.2.5	Volume 2 Section 14.2.5 has been edited to include a statement that the sewage will not be transported to Baker Lake.
2M			Clarify in the Final EIS the definition of batch discharge of sewage, noting that all sewage will be treated prior to discharge to Judge Sissons Lake	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.3.5, 9.6.3.5	Batch discharge of sewage has been clarified in Volume 2 Section 9.5.3.5 and 9.6.3.5
2N			Clarify in the Final EIS that there will be temporary storage for sewage in the event that the sewage treatment plant is shut down	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 14.2.5	Temporary storage of sewage is addressed in Volume 2 Section 14.2.5
2O			Provide a general description on the use of a leak detection sump in the Final EIS	Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds	Technical Appendix 2D Section 5.2.3	A description of the leak detection system is provided in Appendix 2D Section 5.2.3
2P			Provide a general description on the use of monitoring wells in the Final EIS	Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5D Section 5.3.	The use of groundwater wells is described in the groundwater monitoring program in Appendix 5D Section 5.3.
2Q	NIRB 3	Provide a general description of mitigation measures in the event of a leak in the Final EIS	3. AREVA Commitment 2Q – Provide a draft mitigation plan in the FEIS, rather than a "general description of mitigation measures".	Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds	Appendix 2D Section 5.2.3	Mitigation measures for the case of a leak being detected are considered in Appendix 2D Section 5.2.3
2R			For the FEIS, AREVA will revise Tier 3, Technical Appendix 2R, Preliminary Decommissioning Plan, to include: o list of critical sites/facilities for regular visual inspection, as of the end of the operations phase o summary of equipment and protocols used during Cluff Lake decommissioning for detailed gamma radiation surveys (soil testing), to identify any areas requiring remediation o list of facilities requiring post closure physical stability monitoring o revised table of water quality objectives for release of Andrew Pit water to Andrew Lake o revision of preliminary decommissioning plan for the landfarm	Tier 3	Appendix 2R - Decommissioning	6.2.1	Critical facilities have been discussed in section 6.2.1
2S			AREVA will make minor revisions to Tier 1, Volume 1, Main Document, Section 2.7 Decommissioning and Reclamation Activities and to Tier 2, Volume 2, Project Description and Assessment Basis, Section 13, Closure, Decommissioning and Reclamation Activities, to reflect the revisions to the Preliminary Decommissioning Plan.	Tier 1; Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis	Volume 1, Section 2.7 and Volume 2, Section 13.3	Applicable sections in Volumes 1 and 2 have been updated to reflect changes to Tier 3 Technical Appendix 2R - Preliminary Decommissioning Plan
2T			AREVA will ensure that the section(s) on ongoing engagement with community representatives include workshops for in depth discussions of issues/questions related to project environmental impacts. These will include consideration of an environmental monitoring program supported by AREVA, but carried out independently by community representatives.	Tier 2; Tier 3	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 Table 5.2-1. Tier 3 Volume 3 Technical Appendix 3C section 6.1.3	Details of engagement during construction, operations and decommissioning is provided in Tier 3 Appendix 3C section 6.1.3 Tier 2 Volume 3 Part 1 Table 5.2-1 summarizes AREVA's response and commitments moving forward regarding key issues raised during engagement.

Preliminary Hearing Conference Decision: Section 3.2.1, Appendix 1, and Appendix 2				Final Environmental Impact Statement (FEIS) September 2014			
Original	**Revised**	**Original (Earlier) Wording**	**Revised Wording**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**
3A			AREVA will continue to invite responsible organizations to AREVA hosted engagement events so they have the opportunity to hear community comments first-hand and AREVA will continue to document community comments for consideration and presentation in the FEIS	Tier 2; Tier 3	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 Section 3.4 and Tier 3 Volume 3 Technical Appendix 3A Part 1, Part 2 and Appendix 3C	AREVA continued to invite responsible organizations to AREVA hosted engagement events. Refer to Tier 2 Volume 3 Part 1 Section 3.4 and Appendix 3A and 3C
3B			The DEIS Sections titled 'Issues and Concerns Identified during Inuit, Government and Stakeholder Engagement' and 'Influence of Inuit and Stakeholder Engagement and IQ on the Assessment' under heading 'Scope of the Assessment' will be updated in the FEIS to include engagement data collected since the submission of the DEIS	Tier 2	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 Section 4.2, 5.2 Volume 3 part 2 Section 3.6, Attachment A	Engagement data gathered since the DEIS has been updated in the FEIS. An IQ and engagement integration roadmap is also provided in Tier 2 Volume 3 Part 2 Attachment A.
3C			AREVA will continue uranium education initiatives and information sharing (e.g. radiation protection demonstrations)	Tier 2; Tier 3	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 section 3.4.10 Tier 3 Volume 3 Appendix 3A Part 6, 7, Appendix 3C section 6.3.1.1	AREVA will continue uranium education initiatives as stated in Tier 3 Volume 3 Appendix 3C section 6.3.1.1
3D	PHC-76	In the FEIS, AREVA will provide clarity on how IQ was collected, summarized and integrated throughout the assessment including i) inclusion of Figure 5.1-A and associated discussion in the FEIS and ii) inclusion of an IQ roadmap which expands on information presented in IR Table Makita 1, 2, 3 (New). (TCs-AANDC22, BLHTO05, BLHTO06, BQCMB01, BQCMB02, GN/NRI10, GN/NRI11, KIA003, KIA005, KIA006, KIA007, KIA008, KIA009, KIA010, KIA012, KIA037, KIA060)	[BLHTO] Reword technical commitment 3D to read "In the FEIS, AREVA will provide clarity on IQ methodology including how IQ was collected (while respecting confidentiality requirements), summarized and integrated throughout the assessment including i) inclusion of Figure 5.1-A and associated discussion in the FEIS and ii) inclusion of an IQ roadmap which expands on information presented in IR Table Makita 1, 2, 3, " iii) Provide further discussion on where IQ was consistent, and whether it aligned or did not align with western science	Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 3 Part 2 - IQ; Volume 4 Part 1 - Air Quality and Climate; Volume 4 Part 2 - Noise & Vibration; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 8 - Human Health; Volume 9 Part 2 - Heritage Resources; Volume 9 Part 1 - Socio-Economic Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment	Tier 2 Volume 3 Part 2 Sections 3.6, 3.6.1, 3.6.2, 3.6.3. Figure 3.6-1; Technical Appendix 1F Social and Ecological Context	Further discussion on how IQ was summarized and integrated throughout the assessment has been added to Tier 2 Volume 3 Part B Section 3.6, 3.6.1, 3.6.2 and Figure 3.6-1. A roadmap of IQ and EN integration is provided in Attachment A in Tier 2 Volume 3 Part B. Discussion on how IQ and Scientific Knowledge discrepancies were discussed in the EIS is provided in section 3.6.3.
3E			Overlaying relevant IQ data with discipline maps. FEIS text will be updated to include an accompanying discussion of IQ and scientific data, including any discrepancies. (TC BLHTO 07,TC BLHTO 08, TC BLHTO 09, TC BQCMB 01, BQCMB 02)	Tier 2	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment; Appendix 3A - Engage Docs	Tier 2 Volume 3 Part 2 Section 3.6.4	Discussion has been added to Tier 2 Volume 3 Part 2 section 3.6.4
3F	PHC-63	AREVA will provide a more full discussion on how IQ, traditional harvest and Inuit land use have been considered in significance determination by presenting this information, where relevant, under the significance criteria heading 'Ecological and Social Context' when evaluating the other criteria of Direction, Magnitude, Geographic Extent, Duration, Frequency, Reversibility, Likelihood and Confidence. (TC BLHTO 07, TC BLHTO 08, TC BLHTO 09, TC BQCMB 02).	[BLHTO/KIA] Based on comments from the BLHTO and KIA, to inform the social and ecological context of the Final Environmental Impact Statement, AREVA will use IQ and western science to: (1) characterize seasonal land use and harvesting and assess effects on these uses and areas; (2) contribute to the assessment of effects on grizzly bear, wolf and wolverine distribution; and (3) contribute to the assessment of effects on other important wildlife species (e.g., caribou, marine mammals, other trapped species). Information on effects on traditional land use and harvesting will be used in combination with information on effects on the biophysical environment to (a) complete the screening for cumulative effects; and (b) determine the significance of project effects and cumulative effects	Tier 2	Volume 3 Part 2 - IQ; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 9 Part 1 - Socio-Economic Environment	Technical Appendix 1F; Volume 9 Sections 4.6, 4.8; Volume 3	The methodology for the use and influence of IQ and land use in the assessment, including significance determinations is in Volume 3 and Technical Appendix 1F. Volume 9 Section 4.6 notes that IQ is considered in conjunction with engagement results, and past experience. Volume 9 Section 4.8 notes how IQ was integrated into the socio-economic impact assessment. All assessments of potential environmental effects include an influence of engagement and IQ section that presents this information.
3G			Generating Tier 2, Volume 3, Part 2 IQ maps which show only one concept per map in order to increase readability (TC BLHTO 02, TC BLHTO 03, TC Makita 4)	Tier 2; Tier 3	Volume 3 Part 2 - IQ	Tier 3 Volume 3 Part 2 Appendix B Attachment I Figures and Attachment J Figures. Tier 2 Volume 3 Part 2 Section 3.6.2	Single themed IQ maps has been generated and used for discussion. Refer to Tier 2 Volume 3 Part 2 section 3.6.2 and Appendix 3B Attachment I and J figures.
4A	PHC-22	AREVA will provide additional information in conjunction with the FEIS to allow independent validation of the atmospheric modeling, although it is not anticipated that these files will form part of the formal FEIS submission.	[EC] Replace 4A with: "The FEIS will contain additional transparency on the model used for the predictions of dust for the Kiggavik project"	Tier 3	Technical Appendix 4B - Air Dispersion Assessment	Appendix 4B Section 5.3 and Attachment C	Additional detail related to CALPUFF modelling provided. Input files have been consolidated and are available upon request.

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4B			AREVA will investigate differences in predictions from other facilities in the FEIS if sufficient information is provided to facilitate this comparison.	Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment	Volume 4 - Part 1 Air Quality Section 6.1.4.2; Appendix 4B Section 6.2.2.2 and Attachment 4E	A detailed comparison between the dust deposition modelling results for Kiggavik and other mining assessments (EKATI and Meadowbank) has been added to the FEIS.
4C	PHC-19	AREVA will provide additional information on the radon emanation from tailings within the FEIS. This will include consideration of IAEA TRS 333 as well as other information.	[CNSC] Reword commitment 4C to read as follows: "AREVA will provide additional information on the radon emanation from tailings within the FEIS in accordance with IAEA TRS 333."	Tier 3	Technical Appendix 4B - Air Dispersion Assessment	4.2.5	Methodology used in radon assessment is in accordance with IAEA No 474, successor document to IAEA 333.
4D			The lessons learned from the Ekati Diamond Mine dust monitoring program, in conjunction with the methodologies outlined in the CSA Standards N288.4, N288.5, and N288.6 will guide the development of the dust monitoring program.	Tier 3	Appendix 2M - Road Management; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 4C Section 4. Appendix 2M, Section 5.1, Attachment A.	Road dust mitigation is addressed in Appendix 2M section 5.1 and Attachment A. Dust monitoring is addressed is part of air quality monitoring in Appendix 4C Section 4.
4E			The derived reference limits for radionuclides will be updated and additional information provided on the basis of the calculation.	Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment	Appendix 4B Section 2.3.3	Updated radionuclide reference concentrations and revised presentation of air dispersion model results, tables and figures as per IR response.
4F			The Final EIS will reflect the reference changes suggested for the noise assessment.	Tier 2	Volume 4 Part 2 - Noise & Vibration	Section 1	All discussion of the noted Health and Welfare Canada reference (Health and Welfare Canada 1989) has been removed from the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports. All discussion of the noted International Organization of Standardization reference (ISO 1969) has been removed from the noise and vibration impact assessment (Tier 2) report. The following clarifications were incorporated in the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports: The closest sensitive receptor to the Mine Development Area, R3, is approximately 15 km from the closest potential blast site in the Mine Development Area. Groundborne noise and vibration from blasting was not assessed at receptors R1 and R2 as blasting was not expected to occur in the vicinity of Baker Lake.
5A	PHC-35	AREVA will revise Tier 3, Volume 2, Appendix 2I in the FEIS in order to clarify information in the site water management plan. Updated water balance diagrams for construction, operational and decommissioning phases of the Project will be included	[AANDC] Reword commitment 5A to: "AREVA will revise Tier 3, Volume 2, Appendix 2I in the FEIS in order to clarify information in the site water management plan. Updated water balance diagrams for baseline conditions and construction, operational and decommissioning phases of the Project will be included."	Tier 3	Appendix 2I - Water Management Plan	All	Water management plan has been revised to incorporate all phases of the project and includes baseline water balance diagrams.
5B			The rationale for selection of the effluent quality data, including RO design recovery rate, and appropriateness of using this data will be more transparently described in the FEIS.	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.3.2, 9.5.3.3, 9.6.3.3	The rationale for RO recovery rate is discussed in Volume 2 Section 9.5.3.2. The rationale for water quality is discussed in Volume 2 Section 9.5.3.3 and 9.6.3.3 for the Kiggavik and Sissons WTP respectively
5C			AREVA will provide adequate text in the FEIS, Tier 2, Volume 5, Aquatic Environment Section 4.4 Project-Environment Interactions to describe the rationale used to rank the comprehensive list of Project-Environment interactions	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Sections 3.2.3, 4.4, 6.1.1, 7.1.1, 8.1.1, 9.1.1, 10.1.1, 11.1.1	Added rationale used to rank the list of Project-Environment interactions
5D			Project-environment rankings will be clarified in the FEIS, Tier 2, Volume 5, Aquatic Environment: justification will be provided for interactions of 0, BMPs and mitigation measures will be referenced for category 1 interactions and Category 2 interactions will further assessed	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Sections 3.2.3, 4.4, 6.1.1, 7.1.1, 8.1.1, 9.1.1, 10.1.1, 11.1.1	Added rationale used to rank the list of Project-Environment interactions
5E			Surface hydrology maps (Tier 2, Volume 5, Figures 6.2-5A and 6.2-5B) will be updated in the FEIS to more clearly show direction of water flow.	Tier 2	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6 (Figures 6.2-5A and 6.2-5B)	Figures updated to indicate flow direction
5F			Figure 8.2-5 Water Quality Predictions will be included in in Volume 5, Section 8.2.1.5 of the FEIS	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Section 8.2.1.5	Added figure of water quality predictions to Section 8.2.1.5 of FEIS.
5G			Sediment quality predictions will be compared to a range of benchmarks in the FEIS	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Section 9.2.1.5	Sediment quality predictions compared to a range of benchmarks in Volume 5 of the FEIS.

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5H			AREVA will continue to consult with DFO on changes to the Fisheries Act.	Not Integrated into FEIS	Technical Appendix 1D-III; Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Technical Appendix 5L	AREVA met with DFO (Kelly Eggers and Stuart Niven) on August 11, 2014 to discuss: changes to the Fisheries Act, AREVA's approach to address PHC-66 and PHC-67, and AREVA's approach for the conceptual fisheries offsetting plan in the FEIS (Appendix 5L).
5I			FEIS, Tier 2, Volume 5, Aquatic Environment, Section 10 Effects Assessment for Aquatic Organisms and Fish Habitat will be updated to clarify the estimates of Harmful Alteration, Disruption or Destruction of fish habitat.	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Volume 5, Appendix 5L all sections	HADD no longer applicable
5J			In the FEIS, Volume 5, Section 6 Surface Hydrology and Section 7 Hydrogeology will include interception of groundwater flow by mines that extend in the unfrozen sub-permafrost formation (Main zone open pit, Andrew Lake open pit and End Grid underground mine; DEIS, Volume 5, Technical Appendix 5E) as a potential Project-environment interaction for changes in water quantity.	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Section 6.2.1.5	Sentences added to indicate that: Peak infiltration of 1050 m3/day (Technical Appendix 5E) into the Andrew Lake pit is predicted to be less than 0.2% of peak discharge from Andrew Lake and is therefore considered negligible. Peak infiltration of 745 m3/day (Technical Appendix 5E) into the Main Zone pit is predicted to be less than 0.1% of peak discharge from Pointer Lake and is therefore considered negligible.
5K			Provide results and assessment of the Type 3 mine rock and tailings for in-pit, underwater storages tests	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Appendix 5F Section 9.3 and Appendix 5F Attachment F	The results of the testing are provided in Appendix 5F Section 9.3 and Attachment F
5L			AREVA will correct the inaccurate text regarding the geothermal heat flux boundary condition at the base of the model. The correct value is 6 kJ/day/m2.	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Volume 5J Section 4.2.1	The statement is corrected from reading "... heat flux ranges between 5.2 and 6.9 milli-Watts/m2" to "... heat flux ranges between 5.2 and 6.9 kJ/day/m2 with a value of 6 kJ/day/m2 being used in the analysis"
6A			The updated ecosystem-based understanding of the Kivalliq region ecological landscape, including caribou herd designations, spatial distributions, important seasonal movement corridors and sensitive habitats, as published in the Atlas (Campbell et al 2012) will be incorporated into the FEIS assessment of caribou.	Tier 2	Volume 6 - Terrestrial Environment	13.1.4	Acknowledged uncertainty as a technical limitation in Tier 2, Volume 6, Section 13.1.4. That section describes the herds that were considered in the effects assessment.
6B			To facilitate transparency of the assessment of project effects on caribou movement, the FEIS will overlay project components and the associated Zone of Influence predictions with known water crossings and migratory corridors as identified by both IQ and the Kivalliq Ecological Land Classification Map Atlas: A Wildlife Perspective (Campbell et al. 2012).	Tier 2	Volume 6 - Terrestrial Environment	Tier 2 Volume 6 section 13.2.3.5	Provided maps overlaying the Project's Zone of Influence in relation to all identified water crossings in Tier 2, Volume 6, Section 13.2.3.5 - Residual Effects for Change in Movement.
6C			IR-BLHTO12 stated "AREVA anticipates meeting with the HTO during the technical review to discuss the thresholds used in the DEIS including evaluations of significance that reflect Inuit use of caribou." The BLHTO preference was to meet during the technical meetings rather than during the technical review commenting period. AREVA continues to commit to meeting with the BLHTO to better understand their concerns, and facilitate the integration of Inuit use of caribou into the assessment.	Tier 1; Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment; Appendix 1F Social and Ecological Context	Tier 2 Volume 3 Part 1 Table 3.4-1 and Tier 3 Volume 3 Appendix 3A Part 2; Appendix 1F	Appendix 1F - Social and Ecological Context is AREVA's understanding of local land use and relative importance that can be used as a lens through which to evaluate significance determinations. The biophysical assessments and conclusions are carried to the socio-economic assessment of harvest and land use.
6D			AREVA will update the criteria of 'Ecological and Social Context' in the determination of significance in the FEIS. The criteria consider feedback received during the AREVA 2012 open house (See IR AANDC15 and Section 3 of this regulatory submission for open house report details). IQ, land use, and traditional harvest will also be presented under the heading 'Ecological and Social Context' when determining significance.	Tier 1	Volume 1; Volume 3 Part 1 - Engagement; Volume 6 - Terrestrial Environment	Volume 1 Technical Appendix 1F	Appendix 1F - Social and Ecological Context is AREVA's understanding of local land use and relative importance that can be used as a lens through which to evaluate significance determinations. Other IQ influences on the assessment, including significance determinations are described in Volume 3 and presented throughout the FEIS
6E			In addition to the commitment to reassessing migration and movement, AREVA will produce a map indicating all areas where aircraft are likely to fly below 900 m, and all areas where aircraft are likely to fly below 610 m, and include these areas in the determination of Zone of Influence in the assessment.	Tier 2	Volume 6 - Terrestrial Environment	16.2.1.5	Updated the airstrip ZOI to indicate where aircraft are likely to fly below 650 m. Provided maps that included the revised ZOI in 16.2.1.5—Residual Effects for Change in Habitat Availability.
6F	PHC-51	AREVA will incorporate the lessons learned from the Ekati mine into the understanding of the effectiveness of mitigation measures to maximize the porosity of project infrastructure (e.g. roads and pipelines) to caribou.	[GN] AREVA to look at best practices and lessons learned from other mining industry regarding potential effects to caribou from project infrastructure (linear features) to caribou and integrate lessons learned in the mitigation and monitoring plans.	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.2.3 Appendix 6D, Section 3	Enhanced the discussion about potential Project interactions with caribou habitat in Tier 2, Volume 6, Section 13.2.2.3 – Effect Mechanisms and Linkages for Change in Habitat Availability. Included a section on "Lessons Learned" in Appendix 6D – Wildlife Mitigation and Monitoring Plan, Section 3—Lessons Learned.
6G			Based on IQ, AREVA will incorporate a "do not disturb the leader" guideline into the suite of mitigation measures to minimize potential effects of the project to caribou movement.	Tier 3	Appendix 6D - WMMP	Section 4	Incorporated a "do not disturb the leader" guideline in the Wildlife Mitigation and Monitoring Plan, Appendix 6D.

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6H			AREVA will update the Terrestrial Wildlife CEA boundary and associated Project Inclusion List based on updated caribou herd ranges (Campbell et al. 2012). Footprints of projects in the PIL will be included if information is publically available.	Tier 2	Volume 6 - Terrestrial Environment	Section13.3	Updated the CEA boundary and associated Project Inclusion List in Tier 1, Appendix 1E – Cumulative and Transboundary Effects. Footprints are included where the information was available.
6I			AREVA will include additional explanation on the cumulative effects screening for caribou movement and health in DEIS Section 13.3.1	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Updated the cumulative effects screening for caribou movement and health in Tier 2, Volume 6, Section 13.3.2 – Screening for Cumulative Environmental Effects. Effects on movement and health (productivity) are considered in the cumulative effects assessment.
6J			The reassessment of project effects to caribou migration using the most recent migration corridor analysis from the Government of Nunavut (Campbell et al. 2012) and existing AREVA-collected IQ on caribou migration and movement will inform the FEIS screening for movement as a potential cumulative environmental effect.	Tier 2; Tier 3	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3; App 6C Section 5.7.1.4	Updated the assessment of the potential project effects on movement that included consideration of the mine site and associated roads acting as a filter or partial barrier to localized movement in Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Caribou Movement.
6K	PHC-48	The cumulative mortality effects assessment will be presented as a comparison between the winter and all-season road options rather than a conservative assessment of the all-season road as presented in the DEIS.	[GN] Update technical commitment 6K to the following: "The cumulative effects assessment will be presented as a comparison between the winter and all-season road options rather than a conservative assessment of the all-season road as presented in the DEIS."	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3.3	Updated the cumulative effects assessment to better illustrate the comparison of the all-season road and the winter road options (Tier 2, Volume 6, Section 13.3.3 - Residual Cumulative Change in Mortality).
6L			AREVA acknowledges that baseline data collection for wide-ranging, large predators such as grizzly bear and wolverine can be difficult to collect due to the species' low density on the landscape. AREVA has, and will continue to look for opportunities to collaborate with the Government of Nunavut to increase our collective understanding of the distribution of a wide range of wildlife species in the Kivalliq region. Collaborative efforts will look for current and future opportunities to facilitate the collection of information to address the large predator data deficiencies identified in the Atlas.	Not Integrated into FEIS	Technical Appendix 1D-III	n/a	Updated the WMMP (Appendix 6D) to reflect AREVA's commitment to supporting regional-level monitoring efforts and collaboration opportunities on multiple species.
6M			The reference to "harvest quota limitations" as an example of a mitigation measure will be removed from the FEIS submission.	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 11.6.2	Removed the reference to harvest quotas as a suggestion of a project-specific mitigation in Tier 2, Volume 6, Section 11.6.2. It remains as a reference in other sections as a discussion of mitigation for potential cumulative effects on wildlife populations.
6N	PHC-60	AREVA will adopt the methodology presented by EC for determining the ZOI for the Pointer Lake airstrip on migratory birds.	[EC] Update technical commitment 6N to: "AREVA will adopt the methodology presented by EC for determining the zone of influence (ZOI) for the Pointer Lake airstrip on migratory birds and include information regarding the potential types of aircraft used and frequency of flights for each phase of the project.	Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 6 - Terrestrial Environment	Volume 2, Section 10.6, Volume 6, Section 16.2.1.1	Updated the description of the ZOI, based on guidance provided by EC, and used it to update habitat effects in Tier 2, Volume 6, Section 16.2.1.1 – Analytical Methods for Change in Habitat Availability. Provided information on potential types of aircraft and frequency of flights in Tier 2, Volume 2, Section 10.6.
6O			Correct the typographical error in the Executive Summary of the DEIS Tier 2, Volume 6, Terrestrial Environment (page xxiii) to summarize the findings of the environmental assessment regarding Project-related effects on migratory birds	Tier 2	Volume 6 - Terrestrial Environment		Updated Tier 2, Volume 6, Executive summary and corrected typographical error.
6P			AREVA acknowledges the advice provided to meet the requirements of the Species at Risk Act.	Tier 2	Volume 6 - Terrestrial Environment	11.4.2	Summarized the environmental effects-related requirements of the Species at Risk Act in Tier 2, Volume 6, Section 11.4.2 – Species at Risk Act, and incorporated recommendations in Section 17 – Effects Assessment for Species at Risk.
7A	PHC-65	AREVA will work with the GN to ensure the most recent polar bear data is considered in the FEIS.	[GN] Reword technical comment 7A to: "AREVA will work with the Government of Nunavut to ensure that the most recent polar bear data are considered in the FEIS. If the cumulative effects screening demonstrates that a cumulative effects assessment is necessary, then AREVA will conduct this analysis for the FEIS."	Tier 2	Volume 7 - Marine Environment	Volume 7 Section 5 and Section 6.1; Volume 3 Figure 3.6-6	AREVA contacted the GN in an effort to confirm data requested for consideration, obtain access to that data, and discussions on data ownership restrictions. GN available polar bear distribution data was obtained from the KIA public online mapping and has been incorporated in the assessment. A discussion of potential Project-polar bear interactions with respect to available new information is presented in Volume 7. See also Volume 3 Figure 3.3-6.
7B			AREVA commits to adhering to all applicable regulations related to marine shipping, including the Marine Shipping Act, 2001. AREVA will include this regulation in the Tier 2, Volume 2, Project Description and Assessment Basis, section 2.3 Policy and Regulatory Framework in the FEIS submission and relevant Tier 3 management plans.	Tier 3	Appendix 2J - Marine Transport	Section 1.2	AREVA acknowledges that all vessels transiting in Canadian Arctic waters will comply with all applicable Acts and regulations.
7C			AREVA will include text in the FEIS noting the maintenance of the maximum safe distance from shorelines during shipping so that acoustic disturbance is minimized between Southampton Island and Coats Island where sensitive habitat areas are identified.	Tier 3	Appendix 2J - Marine Transport	Section 3.4.2	Information has been added to the Marine Transportation Appendix 2J noting distances that will be maintained near identified sensitive habitat.

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8A	PHC-70	The worker radiation exposure assessment will be updated in the final EIS to improve clarity on the calculations of worker doses. Example calculations will be provided to further illustrate how scaling factors were used to estimate doses at Kiggavik. (CNSC 39)	[CNSC] Modify commitment 8A to read: "The worker radiation exposure assessment will be updated in the FEIS to improve clarity on the calculations of worker doses. The detailed dose methodology and the development of scaling factors will be described in detail. Example calculations will be provided to further illustrate how scaling factors were used to estimate doses at the Kiggavik site.	Tier 2	Volume 8 - Human Health	Volume 8 Sections 6.4.3.2, 6.4.5.2	The worker radiation exposure assessment has been updated to improve clarity on the calculations of worker doses, including detailed methodology and provision of equations and examples.
8B			Example Microshield outputs will be provided to support the estimation of worker doses from yellowcake during transport. (CNSC IR46, CNSC 11) Radiation dose assessment will be conducted for workers during accidents and malfunctions (CNSC 57).	Tier 3	Volume 10 - Accidents, Malfunctions and Effects of the Environment; Technical Appendix 10A - Transportation Risk Assessment	Attachment A (Microshield Calculations); Attachment B (Dose assessment)	Microshield calculations for dose scenarios included as attachment to Appendix 10A; dose evaluation included as Attachment B.
8C			Radon exposure calculations and corrections to underground radon calculations will be included in the FEIS. (CNSC IR 39)	Tier 2	Volume 8 - Human Health	6.4.4.6	Calculation has been corrected.
8D			The Occupational Health and Safety Plan (Appendix 2P) will be updated to improve the prominence of health and the consideration of psychological factors in the FEIS. Similarly, the Emergency Response Plan (Appendix 10C) will be updated to consider illness.	Tier 3	Appendix 2P - OHS; Appendix 10C - ERP	Section 6.4 added to Appendix 2P - OHS & emergency response to mental health added to 11.2 in Appendix 10C Emergency Response	Mental Health has been integrated into Technical Appendix 2P OH&S Plan and 11.2 of the 10C Emergency Response Plan.
8E			Clarifications regarding groundshine air kerma rates will be included in the FEIS.	Tier 2	Volume 8 - Human Health	4	Clarifications regarding groundshine air kerma rates have been added to Section 4 of Volume 8.
8F			Radon monitoring will be conducted during construction.	Tier 3	Technical Appendix 2Q - Radiation Protection Plan	4.2	Radon monitoring will be conducted during construction.
8G			AREVA will incorporate the dose constraint of 0.3 mSv/y into the decommissioning objectives to ensure the public dose limit is not exceeded.	Tier 3	Appendix 2R - Decommissioning	2.1.2	The dose constraint of 0.3 mSv/y has been incorporated into the decommissioning objectives to ensure the public dose limit is not exceeded.
8H			AREVA commits to using the CCOHS hazard definition in Vol 8, Tier 2, Human Health, glossary section in the FEIS.	Tier 2	Volume 8 - Human Health	Abbreviations and Acronyms section updated and Glossary of Terms updated	CCOHS hazard definition adopted in Volume 8.
8I			AREVA commits to identifying the mucocilliary escalation route within the discussion of ingestion.	Tier 2	Volume 8 - Human Health	Updated Bibliography and Section 5.2.3	Mucocilliary escalation route included within the discussion of ingestion.
8J			AREVA commits to completing table in Vol 2, Tier 2, Human Health, Table 5.4-6. in the FEIS.	Tier 2	Volume 8 - Human Health	Table 5.4-1 and Section 5.4.1.2 Updated	Table updated as requested.
8K			AREVA commits to updating the list of potential COPCs to include includes nickel, manganese, vanadium and PM 10 and PM 2.5, and evaluate congruently.	Tier 2	Volume 8 - Human Health	Table 5.4-2, Table 5.4-3, Table 5.4-4	Tables have been updated with available COPC data
8L			AREVA commits to using the TLV PM 10 and PM 2.5 for dust particulates, as recommended by ACGIH guideline limit value.	Tier 2	Volume 8 - Human Health	5.4.1	TLV PM 10 and PM 2.5 for dust particulates included as recommended by ACGIH guideline limit value.
8M			AREVA will review the sulphur ranking in table 5.4-6 to ensure it is consistent. AREVA commits to ensuring the proper monitoring equipment and emergency response equipment will be available for safe handling and storage or sulphur. The discussion of sulphur will include an assessment of potential generation of hydrogen sulphide in the FEIS.	Tier 2	Volume 8 - Human Health	Section 5.4-6, Section 5.4-6 Acid Plant and Table 5.4-8 Evaluation of Hazardous Substances Exposure for the Milling Operation at Kiggavik (Acid Plant) added	Consideration for H2S generation considered and included in discussion of acid plant and in evaluation table 5.4-8.

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8N			AREVA will provide further clarity on the conclusions regarding potential personnel exposure to NO2 and dust as well as describe mitigative measures to control for potential personnel exposure to NO2 and dust at the camp complex during blasting operation in Vol 8, Tier 2, Human Health Section 7.3.1.5 in the FEIS.	Tier 2	Volume 8 - Human Health	7.3.1.5	Context of exposure limits is provided along with statements regarding simple mitigative measures during operations.
8O	NIRB 10	AREVA commits to including the new table which address dermal exposures within Tier 2, Volume 8, Human Health, in the FEIS.	10. AREVA Commitment 8O – In addition to including the new table, provide information on how the exposure for a given pathway was determined to be "minimal impact" in Table HC 2-1.	Tier 3	Volume 8 - Human Health	Section 7.2.7 Potential Pathways of Exposure was added	A new table has been provided and a discussion of pathway categorization has been included.
8P			The editorial errors with relation to the units will be corrected in the FEIS. Refers to Table 3.2-1 in Volume 8A (Stacey) and Table 5.1-2 in Volume 4A (Kim).	Tier 3	Appendix 4A - Climate Baseline; Appendix 8A - EHHRA	6.4	Tables have been updated with correct units.
8Q			Clarification of the water and sediment quality guidelines used in Section 6 of Appendix 8A of the assessment. This discussion will include reference to additional sediment quality guidelines that are available.	Tier 3	Appendix 8A - EHHRA	Added Section 6.1 and 6.2, Revisions to Sections 7.2 and 7.3	Clarification of the water and sediment quality guidelines provided as new sections.
8R			The radionuclides will be expanded in Table 7.2-2, Volume 5, and drinking water standards for radionuclides will be included where applicable in Volume 8 and Volume 8A.	Tier 3	Appendix 8A - EHHRA	7.2.1	Radionuclides added and drinking water guidelines included.
8S			Inconsistencies in the use of the CWQG for cadmium will be corrected in the FEIS.	Tier 3	Appendix 8A - EHHRA	7.2.1	Inconsistency corrected in Table 7.2-2 with explanatory footnote.
8T			Clarification of the selection of the TRV for uranium for mammals will be provided in the FEIS.	Tier 3	Appendix 8A - EHHRA	6.3.2.2, and Attachment G	Expanded discussion on uranium TRV in footnote to Table 6.3-4
8U	PHC-44	An explanation of the exclusion of thorium series radionuclides can be provided in the FEIS.	[EC] Provide additional details on the selection of constituents of potential concern (COPC) and the exclusion of others in the assessment related to potential impacts on the receiving environment from project releases. This discussion will rely on the expected water treatment plant (WTP) effluent discharge (Volume 2) and experience at other sites.	Tier 3	Appendix 8A - EHHRA	2.4	Text updated to explain that there is no incremental concentrations of Thorium series radionuclides or other constituents in the ore.
8V			AREVA will provide additional information on the water and sediment quality modelling in the FEIS.	Tier 2, Tier 3	Volume 8 - Human Health; Appendix 8A - EHHRA	Appendix 8A, Attachment A-LAKEVIEW Model	Revised text with additional information on water and sediment quality modelling.
8W			An assessment of temperature effects will be provided in the FEIS.	Tier 2	Volume 5 - Aquatic Environment	Section 8.2.1	Added assessment of temperature effects due to effluent release.
8X	NIRB 11	In future monitoring campaigns AREVA will make every effort to obtain the lowest detection limit for cadmium.	11. AREVA Commitment 8X – In addition to making efforts to obtain the lowest method detection limit for cadmium, include additional information and analysis to support a conclusion that there will be no adverse effects from cadmium in wastewater.	Tier 3	Appendix 8A - EHHRA	3.2.3	New baseline cadmium data has been incorporated into the assessment resulting in much lower cadmium concentrations.
8Y			The aquatic receptors selected for the assessment will be consistent between the assessment of non-radionuclides and radioactivity.	Tier 3	Appendix 8A - EHHRA	4.1.1, 8.1.1, 8.1.2, 6.5.2 and Attachment H (rad tables)	Revised aquatic assessment for consistent receptors
8Z	PHC-36	In response to Environment Canada's technical comments, additional information on the ecological dose calculations, as well as a sample calculation for ecological dose, will be incorporated into the FEIS.	[EC] Reword commitment 8Z to "In response to EC's technical comments, additional information on the ecological dose calculations including the derivation of the fish transfer factor as well as a sample calculation for ecological dose for both aquatic and terrestrial receptors will be incorporated into the FEIS."	Tier 3	Appendix 8A - EHHRA	5.1.2.1, 2.9.4.4	Example calculations provided and explanation of transfer factors included.
8AA			Additional information will be included in the FEIS that discusses the receptor characteristics used in the assessment.	Tier 2	Appendix 8A - EHHRA	Ecological characteristics updated in Attachment D	Ecological characteristics updated in Attachment D
8BB			The units in Table B.4-1 Appendix 8A will be corrected.	Tier 2	Appendix 8A - EHHRA	Appendix 8A; Attachment B, Table B.4-1	Values have been corrected with units maintained as Bq/g ww.
8CC			AREVA will provide routine reporting of environmental performance and periodically update ERA and HHRA in accordance with established standards.	Tier 1, Tier 2	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis	Tier 3, Volume 2, Appendix 2T Section 5, 2.2.2, 4.2.1	AREVA will provide routine reporting of environmental performance and update ERA and HHRA as described in Technical Appendix 2T.

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9A			Revise Volume 9 Part 1 Sections 4, 8, 9, 10, 11, 12 and 13 to include new detail on socio-economic cumulative effects as provided in IR responses.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6, 8.2, 9.2, 10.2, 11.2 12.1.5, 13.2, 14.2 and 14.3;	Request has been addressed in previous responses to IRs. More recent data has been added as available and relevant. A Labour Market Analysis dated September 2014 is provided as Attachment B to Volume 9, Sections listed have, in particular, been revised to contain more recent data on cumulative socio-economic effects. Section 4 presents scope and methodology of the assessment.
9B			Review and revision of summaries in Volume 1 Section 8.7 and Volume 9 Section 14.2 to reflect the new detail and to restate AREVA's commitment to collaborative monitoring as a means to address cumulative socio-economic effects.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.5.6, 14.3	AREVA remains committed to collaborative monitoring.
9C			Include cumulative socio-economic effects in Appendix 1F.	Tier 1	Volume 1	Appendix 1D	Requested cumulative effects socio-economic tables summarizing significance are included in Volume 9 and now in Appendix 1D to Volume 1
9D			Review the DEIS with a view to inserting more discussion and more clarity on premature (temporary or permanent) closure, including not only in Sections 6.3.9, 8.1.8 and 8.1.9 but also in other sections discussing Project effects (throughout Sections 8 to 14).	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.1.8, 8.1.9, 6.3.9	More discussion has been added on the possible range of effects from premature closure including the addition of a table (Table 8.1-9) that rates the potential for negative effects with different scenarios
9E	PHC-87	Elaborate the approach to premature closure planning in Section 6.3.9.	[GN/AANDC] Update technical commitment 9E to read: "Elaborate the approach to premature closure planning in Section 6.3.9, including a statement on AREVA's commitment to collaborative monitoring (i.e. with the Kivalliq-SEMC) as one means to address the impacts of temporary or permanent closure."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.3.5, 6.5.6, and 8.1.8	Section 6.5.6 Collaborative Monitoring discusses collaboration between AREVA, communities, the KIA, GN and AANDC. New discussion and table added to Section 8.1.8
9F	PHC-90	Prepare the FEIS with a view to including available additional detail on socio-economic mitigation and benefit enhancement.	[AANDC] Replace technical commitment 9F to read: "Prepare the FEIS with a view to including available additional detail on socioeconomic mitigation and benefit enhancement, noting that additional detail that may be negotiated with the KIA for the IIBA is expected to be available at the time of the FEIS review."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6	AREVA and the KIA continue to advance negotiations on the IIBA. Additional detail regarding benefit enhancement expected for inclusion in the IIBA was not available at the time of FEIS preparation. Detail necessary for consideration of potential socio-economic effects and anticipated socioeconomic benefits is presented. Negotiations continue with the possibility of an IIBA summary available at the time of final hearing.
9G			Review the final versions of the terrestrial and marine assessments, and incorporate any change in results into the socio-economic assessment.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 9.1.2	Information on the Beverly Caribou herd has been edited to reflect the greater potential for interaction between the Project and the Ahiak and Qamanirjuaq herds. Other changes to the terrestrial and marine assessments are reflected in Section 9.1.2 and not result in changes to assessment conclusions.
9H			Update the conclusions of the assessment of Project effects on migration and consequent effects on infrastructure and services to reflect recent population data and increased uncertainty in the mining sector.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 7; 7.4, 11.1	Section 7 notes the GN's concern regarding unexpected population growth and associated pressure on infrastructure and services. Section 7.4 in specific discusses the experience of the northern Alberta Oil Sands region, and challenges experienced therein associated with population growth and infrastructure and service demand (as a comparable experience). Section 11.1 has been updated to consider migration effects on various infrastructure and service components throughout.
9I	PHC-81	AREVA will discuss with DoJ and DoF, as well as with other interested GN departments, mechanisms to maintain open dialogue on subjects of mutual interest.	[GN] Replace technical commitment 9I with: "Volume 9 Section 6 Social Management will be revised to more explicitly detail AREVA's undertakings to continue to maintain open dialogue, and to reach agreement on timely data sharing as appropriate, with GN departments with mandates related to Project implementation, including as examples GoF (revenue flows to GN), DoJ (justice issues) and DoE (training programs)."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.5.5, 6.5.6	Section 6.5.5 Operations Monitoring discusses operations monitoring and data sharing (via annual reporting) with the SEMC, KIA and NIRB. Section 6.5.6 Collaborative Monitoring discusses collaboration between AREVA, communities, the KIA, GN and AANDC.
9J	PHC-85	Review and revise the description of the housing situation in Baker Lake, the expected impacts of the Project on housing and proposed mitigation in response during preparation of the FEIS.	[GN] Update technical commitment 9J to read: "In the FEIS, on the basis of new information to be provided by NHC, review and revise the description of the housing situation in Baker Lake and Rankin Inlet, the expected impacts of the Project on housing and proposed mitigation in response."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 5.3.2, 11.1.4, and 6.3.4	Section 5.3.2 highlights existing housing conditions in Kivalliq and its constituent communities. Section 11.1.4 describes the potential effect of the Project on housing in Kivalliq. It is also noted that mitigation is likely not practical. Section 6.3.4 notes that workers will be housed at camps, and that locals (who are already in the housing system) will benefit from preferential hiring - mitigations that would curb Project effects on housing markets and demand for social housing. Please refer to the response to PHC-GN-86 (9i) for further details on housing.
9K	PHC-82	Update and refine the labour force projections in Section 13.2 of the FEIS.	[GN] Update technical commitment 9K to read: "Update and refine the labour force projections in Section 13.2 of the FEIS, including consideration of people expected to exit the workforce, employment growth in non mining sectors and other relevant factors."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.2; Volume 9 Attachment B - Labour Market Analysis	Labour Market Analysis for the AREVA Kiggavik Uranium Project Final Report - September 2014 is attached as Attachment B. The report concludes that 50% Inuit employment for the Project should be achievable assuming turnover rates are not excessive.

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9L			Integrate text from DEIS Addendum Section 9.5 into the FEIS	Tier 3	Volume 9 Part 2 - Heritage Resources	Appendix 9D, section 1.1. Appendix 9A Attachment D	Refer to Tier 3 Appendix 9D section 1.1 and a summary on the Thelon River is also provided in Tier 3 Volume 9 Appendix 9A attachment D
9M			Add the Thelon River as a CHRS heritage river to the Cumulative Effects Project Inclusion List as a designated area	Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E Attachment A	Heritage Rivers have been added to the Project Inclusion List
9N	PHC-78	Add a section to FEIS, Volume 9, Part 1 which compiles relevant information from socio-economic, heritage resources, aquatic and terrestrial assessments in order to summarize how the Thelon River Canadian Heritage Rivers System designation has been considered and the CHRS Management Plan for the Thelon River (Economic Development and Tourism, GNWT 1990) has been followed.	[GN/KIA] Change Commitment 9N to the following: "Following discussion with GN and KIA , add a section to FEIS, Volume 9, Part 1 which compiles relevant information from socioeconomic, heritage resources, aquatic and terrestrial assessments in order to summarize how the Thelon River Canadian Heritage Rivers System designation has been considered and the CHRS Management Plan for the Thelon River (Economic Development and Tourism, GNWT 1990) has been followed.	Tier 3	Technical Appendix 9A - Socio-Economic Baseline	Tier 3 Technical Appendix 9A Attachment D	Discussion included in Tier 3, Technical Appendix 9A, Attachment D: Thelon River's Canadian Heritage River Status in the context of the Kiggavik Project
10A			Doses to workers resulting from accidents during transport can be included in the FEIS (CNSC 13, 57).	Tier 3	Technical Appendix 10A - Transportation Risk Assessment	6.2.2.3	Dose calculations for worker exposure following a transportation accident are provided.
10B	PHC-93	Additional detail can be provided to describe the calculation of human doses resulting from ingestion of large lake water in the FEIS (CNSC 59)	[CNSC] Update technical commitment 10B to include ingestion of fish - "Additional detail will be provided to describe the calculation of human doses related to transportation incidents, including doses from ingestion of lake water and fish in the FEIS. Example dose calculations will be provided"	Tier 3	Technical Appendix 10A - Transportation Risk Assessment	6.2.2.4	Dose estimation has been updated to consider ingestion of fish and lake water in a post-incident scenario, both long and short term.
10C			Response strategies for wildlife interactions during a spill event will be discussed within appropriate Management Plan documents in the Final EIS.	Tier 3	Appendix 10B - Spill Contingency	Section 5.2.14 Wildlife Management During a Spill added to 10B plan	A section on wildlife management during a spill has been included in Appendix 10 B - Spill Contingency Plan.
NIRB 1 (a to f)			1. Baseline Data – Given the significant lapse of time between submission of the DEIS and the expected submission of the FEIS, as well as the time available before September 30, 2014, data should be updated as appropriate and necessary within the FEIS submission. Any newly acquired baseline data incorporated into the Project effects assessment since submission of the DEIS should be appropriately identified. In addition to AREVA's specific commitments to update information, the FEIS must include: a. Collection and analysis of the baseline information contemplated in Appendix 1 commitments 2ii, 2iv, 2vi, 2ix, 5iii, 5v, 5vi, 6i, 6ii and 6iii, as well as Appendix 2, commitments 5 and 8; b. Collection and analysis of additional aquatic baseline data (including water quality, sediment quality and aquatic organisms) in the Northwest and East Basins of the Judge Sissons Lake where the effluent diffusers are proposed to be located as per Appendix 2 commitment 39. Further, aquatic sampling locations within Judge Sissons Lake should be re-evaluated. Specifically, consideration should be given to include sampling stations downstream of the effluent discharge points and one at the outflow of Judge Sissons Lake; c. Collection of additional baseline surveys for waterfowl, shorebirds and their prey at Judge Sissons Lake and fresh waterbodies directly connected to the lake; d. Collection and performance of additional baseline and monitoring work for wide ranging predators, including grizzly bear, wolf and wolverine; e. Use of the most recent IPCC (Intergovernmental Panel on Climate Change) climate change data in the environmental assessment; and f. Update the socio-economic impact assessment to include the recent announcements made by Agnico-Eagle Mines Inc. to shut down the Meadowbank Mine site earlier than originally planned.	Tier 2; Tier 3	(a) Technical Appendix 1D-III; Technical Appendix 6A - Surficial Geology and Terrain Baseline (b) Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline (d) Volume 6 - Terrestrial Environment (e) Appendix 5K - Water Balance (f) Volume 9 Part 1 - Socio-Economic Environment	(a) Appendix 6A Section 2.1 (b) Tier 2, Volume 5 Sections 5.3, 5.3.3, 5.4, 5.4.1, 5.4.3, 5.5, 5.5.1, 5.5.2, 5.5.2.1, 5.5.2.2, 5.5.5, 5.5.5.1.2, 5.5.5.1.4, 5.5.5.1.5; Tier 3, Volume 5, Appendix 5C, Attachment 5C-1 (all sections) (d) Volume 6, Sections 14 and 17; App 6C, Section 5.8 (e) Appendix 5K Section 1.0 (f) Volume 9 Sections 5, 7 and Volume 9 Sections 6, 8.2, 9.2, 10.2, 11.2 12.1.5, 13.2, 14.2 and 14.3	AREVA's approach to meeting this guidance is provided in correspondence from Tammy Van Lambalgen, AREVA to Ryan Barry, NIRB dated January 24, 2014 and further detailed below. (a) Additional geo-technical information will be included as part of the site investigation for the detailed design phase of the project. This is addressed in Appendix 6A Section 2.1 (see PHC - 8 for related commitment) (b) Additional WQ, SQ, limnology, and habitat assessment was conducted in NE and E basins of JSL in August 2013 - reported in Attachment 5C-1 (appendix to Appendix 5C). (c) AREVA does not question the need for this information to guide future project decisions but maintains that this commitment is more appropriately deferred to the licensing stage and are not required to inform an EA decision. In many cases, the information gathered to support licensing will provide focused, specific and sufficiently detailed information to the design, engineering and construction teams that will result in further minimizing potential environmental impacts from those anticipated during the EA process. Refer to letter from Tammy Van Lambalgen, AREVA to Ryan Barry, NIRB dated January 24, 2014. (d) Added wolf added as a key indicator species and habitat assessed in Tier 2, Volume 6, Section 14 – Effects Assessment for Wolves. Incorporated updated literature/data for wolf, grizzly bear, and wolverine, in the wildlife baseline (Appendix 6C) and considered in the effects assessment (Volume 6, Section 14 – Wolves and 17 – Species at Risk). (e) Sentence added to Appendix 5K Section 1.0 to clarify that the most recent data available from CCCSN (CCCSN 2011) are from the Intergovernmental Panel on Climate Change (IPCC) fourth assessment (AR4) (Solomon et al., 2007). Data from AR5 are not available from the CCCSN for this assessment. (f) Volume 9 has been updated with data produced following submission of the DEIS where available, publishable and relevant. Cumulative effects assessments revised throughout to reflect new information.
NIRB 4 (2viii)		AREVA Commitment 2viii – Provide a draft plan for monitoring for leaks/spills of sewage and spill clean-up in the FEIS.	Present plan for monitoring for leaks / spills of sewage and clean-up in the event of a spill.	Tier 3	Appendix 10B - Spill Contingency	Appendix 10B Section 5.2.14	A draft plan for cleanup of a sewage spill is presented in Appendix 10B Section 5.2.14

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NIRB 5 (2ix)		AREVA Commitment 2ix – Provide preliminary design and operational information on leak detection system in the FEIS.	Provide detailed design and operational information on leak detection system	Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Technical Appendix 5D - Groundwater Flow Model	Appendix 2D Section 5.2.3. Appendix 5D Section 5.3.	The monitoring of pads and ponds for leak detection is provided in Volume 2D Section 5.2.3 and the use of monitoring wells around mine infrastructure is described in Volume 5D Section 5.3
NIRB 6 (2xi)		AREVA Commitment 2xi – Provide a draft groundwater monitoring plan in the FEIS.	Provide a detailed groundwater monitoring plan including locations of monitoring wells, monitoring frequency, and analysis to be done.	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 5.3.	The ground water monitoring plan is provided in Volume 5D section 5.3.
NIRB 7 (2xv)		AREVA Commitment 2xv – Provide a conceptual decommissioning plan in the FEIS.	The Detailed Decommissioning Plan (DDP) will be developed for regulatory approval towards the end of the operational period, to facilitate a seamless transition from operations to decommissioning	Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning	2.9	Preliminary decommissioning plan has been described with commitment to develop detailed plan as decommissioning period approaches.
NIRB 9			9. AREVA Commitment 6L and AREVA Technical Meeting Commitment 57 – In addition to these commitments, improve the effects assessments for wolf, grizzly bear and wolverine to ensure that they are supported by the available data.	Tier 2; Tier 3	Volume 6 - Terrestrial Environment	Volume 6, Sections 14 and 17; App 6C, Section 5.8	Added wolf as a key indicator species (Tier 2, Volume 6, Section 14). Grizzly bear and wolverine are considered because of their status as Species at Risk in Section 17. All updated literature/data for wolf, grizzly bear, and wolverine, was incorporated into the wildlife baseline (Tier 3, Appendix 6C, Section 5.8).
NIRB 12			12. Access Road (AREVA Technical Meeting Commitment 1) – In the DEIS, AREVA evaluated a number of access road options. AREVA's three preferred alternatives are depicted in Figure 1. AREVA has clearly stated that its preferred alternative is the South Winter Road. However, AREVA is also seeking approval for the North All-Season Access Road, as well as the North Winter Road. At the PHC, AREVA stated that it intends to start operations with the South Winter Road, and only construct the North All-Season Access Road in the event that a winter road cannot adequately support the Project over its lifespan. The Board notes the numerous concerns raised by parties with respect to AREVA's current approach to the access road(s). The Board appreciates that AREVA may require operational flexibility, but is hesitant to approve both a winter road and an all-season access road. The Board also does not understand why AREVA would need approval for a second winter road. In addition to AREVA's Technical Meeting Commitment 1, the FEIS must include an updated comparative evaluation of alternative road options that comprehensively assesses each option, as well as any interactions amongst them. AREVA must also deal clearly with the issue of public access to the access road in its FEIS.	Tier 3	Appendix 2A - Alternatives; Appendix 2M - Road Management	2A - AREVA Addendum Section 2.15, Appendix 2M - Section 5.4	AREVA is no longer considering a north winter road. The preferred option remains the (south) winter road, with the all-season road being constructed only if the winter road cannot meet the operational needs of the Project. An update on the preferred road options is outlined in Appendix 2A AREVA Addendum Section 2.15 Public access for the Baker Lake to Kiggavik road is addressed in Appendix 2M Section 5.4. Mine site roads including the Kiggavik to Sissons road will not be accessible to the public.
NIRB 16			AREVA Technical Meeting Commitment 85 – In addition to reviewing and revising the description of the housing situation in Baker Lake and Rankin Inlet, include in the FEIS a description of the housing situation in Arviat.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 11.1.4	At the technical meetings, the GN (originator of the question) agreed that there was little or no incentive created by the Project to relocate to Arviat, and thus the Project's potential to impact housing in the community would not be realized. Existing housing is largely social housing, for which there is a wait list. Some additional housing information is added to the assessment for Aviat. However, the FEIS has been updated to some extent to include a discussion of wait lists in Arviat under low, medium and high growth scenarios to address the residual request from NIRB.
NIRB 17			17. Address in the FEIS the Kivalliq communities' concerns with increased marine traffic associated with the project, specifically related to marine safety, the need for depth charts and depth finders on ships and barges, and noise and disturbance of marine mammals.	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 4.2.5	Community concerns have been addressed in Volume 2 Section 4.2.5
NIRB 18			18. Undertake and document in the FEIS a more detailed evaluation of the effluent discharge scenarios to support the selection of Option 1 as the worst-case scenario for impact assessment purposes.	Tier 2	Volume 5 - Aquatic Environment		Added clarification to selection of Option 1
NIRB 19			19. Provide clarification in Appendix 8A: Ecological and Human Health Risk Assessment on whether the mean or 95th percentile values for COPCs in air, water, sediment, soil and vegetation were used in the assessment.	Tier 3	Appendix 8A - EHHRA	8.1, 8.2, 9.0	Text has been provided to clarify what COPC values were used in the HHRA and ERA.
NIRB 20			20. Include in the FEIS a comprehensive discussion of community-level impacts for the communities of Baker Lake and Chesterfield Inlet for all aspects of the socio-economic environment studied, and extend the discussion to other communities in the Regional Study Area to better support conclusions on community impacts.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 14 Table 14.1-2	As discussed with the NIRB, a summary impact matrix is additionally provided as an alternate presentation for improved communication of community specific effects. It is a re-organization of the socio-economic impact assessment organized by VSEC elsewhere in the volume to organize the assessment in an efficient and non-repetitive way.

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NIRB 21			21. Potential Effects on Caribou – Concerns with the DEIS assessment of the effects of the Kiggavik Project on caribou were raised by the KivIA, the Baker Lake HTO, the GN, the BQCMB, Makita and CARC. In response, AREVA made a large number of FEIS commitments that deal with caribou in some way. Many of AREVA's commitments respecting IQ and CEA also relate to caribou. In addition to those commitments and the Board's requirements that may relate to caribou, the Board recommends that the FEIS address the outstanding issues tabled by BQCMB at the PHC summarized in Section 2.12 of this PHC Report.	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 1E Cumulative and Transboundary	(1 & 2) Section 1.6.2 (3) Volume 6, Section 13.1.4, 13.2; App 6C, Section 5.7.1 (4) Volume 6, Sections 13.1.4, 13.2.3.1, 13.2.3.5 (5) Volume 6, Sections 13.1.4, 13.2.3.1, 13.2.3.5 (6) Section 13 (7) Section 13.2.4 (8) Volume 6, Section 13.3.3; Appendix 1E (9) Section 13.3.3.4 (10) Volume 6, Section 13.1.3, 13.2.3.1; App 6D	The following comments correspond to the outstanding issues recorded by the NIRB and presented in Section 2.12 of the PHC Decision: (1 & 2) The need to incorporate IQ in the WMMP is summarized in Appendix 6D, Section 1.6.2 - Incorporation of Inuit Qaujimajatuqangit. The WMMP will incorporate Inuit Qaujimajatuqangit (IQ) into the proposed mitigations and monitoring initiatives when that information is made available specifically for a follow-up monitoring program (3) Adopted Kivalliq ecological atlas data with new herd delineations in Tier 2, Volume 6, Sections, 13.1.4, 13.2. Also included information in Tier 3, Appendix 6C, Section 5.7.1. Acknowledged and explained technical limitations of all caribou data, better integrated IQ into baseline and assessment of caribou. (4) Acknowledged technical limitations of collar data, described other data used in assessment of movement, conducted new, quantitative analyses (encounter rates and residency time) in Tier 2, Volume 6, Sections 13.1.4, 13.2.3.1, 13.2.3.5 (5) Provided clarification re: technical limitations of habitat analysis; quantitative analyses done for movement (residency time and encounter rates) in Tier 2, Volume 6, Sections 13.1.4, 13.2.3.1, 13.2.3.5. (6) Addressed outstanding BQCMB issues by revising the effects assessment on caribou (Tier 2, Volume 6, Section 13) with substantial enhancements to the cumulative effects (Section 13.3) including the addition of a caribou energetics model. Enhanced the effects assessment to reflect the 14 km mine ZOI as a worst-case scenario based on published information about barren-ground caribou response to northern mines. Updated the WMMP (Appendix 6D) with monitoring principles to reflect the intent to use monitoring results to confirm effects predictions and mitigate should effects predictions be exceeded. Considered the Kiggavik Project's potential ZOI and multiple project potential ZOIs in residency and encounter rates and potential effects on caribou energetics noted above. (7) Addressed through ERA and summarized in Volume 6 (8) Revised the Project inclusion list based partly on information provided by the BQCMB. The Project Inclusion List is detailed in Tier 1, Appendix 1E–Cumulative and Transboundary Effects. Those projects are considered in various components of the cumulative effects assessment. Project footprints (where available) and possible zones of influence are considered in the cumulative effects assessment on caribou. (9) i) AREVA to summarize collaboration with GN and NWMB. ii) A detailed list of potential cumulative mitigation options related to possible cumulative effects on mortality is provided in Tier 2, Volume 6, Section 13.3.3.4 – Mitigation Measures for Cumulative Change in Caribou Mortality. That section summarizes what AREVA is capable of mitigation independently, in partnership with other authorities, and initiatives that may be independently considered by the authorities to mitigate cumulative effects beyond the scope of this Project's assessment. The mitigation for potential project effects on habitat is identified in the WMMP (Appendix 6D) – those measures are applicable to potential Project cumulative effects. (10) i) Incorporated lessons learned from other projects re: roads into assessment and WMMP; ii) conducted residency and encounter rate analyses; iii) acknowledged and explained technical limitations and uncertainty; and iv) clearly depicted all water crossings in maps and indicated that all crossing were weighted equally.

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NIRB 22			22. Inuit Qaujimajatuqangit (IQ) – A number of parties raised issues regarding the use of IQ in the DEIS. The Board understands that the Baker Lake HTO will be collecting additional IQ data, which it believes may be a useful addition to the Board's assessment of the impacts of the Kiggavik Project on caribou. The Board understands the confidentiality concerns raised by the Baker Lake HTO and notes that its Rules of Procedure provides a mechanism to address this issue. Based on the technical comments of the parties, the Board believes that some additional IQ collection is warranted. The Board appreciates that, in Appendix 1 commitments 3E, 3F and 3G and Appendix 2 commitments 75, 76 and 77, AREVA has committed to clarifying its use of IQ in the environmental assessment. In addition, the Board requires AREVA to address the following in the FEIS: a. Consider additional IQ data collected by AREVA and/or the Baker Lake HTO in its proposed IQ study, in order to augment and improve the assessment of project effects and cumulative effects on caribou migration; b. Consider Aboriginal Traditional Knowledge from other caribou range communities outside of Nunavut to improve the assessment of project effects and cumulative effects on caribou migration; c. Better incorporate and integrate IQ data into project impact assessment and CEA to improve reliability and understanding of the FEIS; d. Clearly delineate between IQ and engagement; e. Clarify how consultation and engagement has informed the FEIS content; f. Consider how IQ information might be weighted versus scientific information; and g. Clearly demonstrate how IQ has been integrated into adaptive mitigation and monitoring plans designed to prevent or reduce project-related effects on the environment.	Tier 1; Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Volume 3 Part 2 section 3.6.3 Technical Appendices in Volume 3, Appendix A and Appendix B Attachment I and J Volume 3 Part 2 section 3.6 and Figures 3.6-1 and 3.6-2 Technical Appendix 1F Attachment A of Tier 2 Volume 3 Part 2	Additional IQ has been collected since the submission of the DEIS such as using the data from the Nunavut Atlas and the KIA wildlife publically available database (Volume 3 Part 2 section 3.6.3). In addition, three meetings have been held regarding IQ. A meeting on the meaning of IQ was held with Elders in Baker Lake on September 5, 2013; a meeting was held on February 25, 2014 with the Chesterfield HTO and another on April 24, 25, 29 2014 with the Baker Lake HTO and a group of hunters to discuss IQ in general and any discrepancies between IQ and between IQ and western science; (Refer to Technical Appendices in Volume 3, Appendix A and Appendix B Attachment I and J.) AREVA has clarified how IQ was used in the environmental assessment in Volume 3 Part 2 section 3.6 and Figures 3.6-1 and 3.6-2, and Volume 1, Technical Appendix 1F. An IQ and engagement use roadmap is also provided in Attachment A of Tier 2 Volume 3 Part 2. In addition, each discipline volume, section 4 describes the use and influence of IQ and Stakeholder Engagement on the Assessment. The additional Board requests are addressed as follows: (a) AREVA did not receive any additional IQ data collected by the Baker Lake HTO however the following additional IQ movement data was added to improve the assessment of project effects and cumulative effects on caribou migration. They include: the Riewe 1992 Nunavut Atlas, results from the meeting with the Baker Lake HTO in April of 2014 and the Department of Indian Affairs and Northern Development 1978 study report "Effects of Exploration and Development in Baker Lake Area Volume 1 (b) AREVA considered information provided by the BQCMB. Refer to Tier 2 Volume 3 Part 1 section 3.4.11, Tier 3 Volume 3 Appendix 3A (c) IQ and engagement has been incorporated throughout the EIS. Refer to Tier 2 Volume 3 Part 2 Section 3.6 and Figures 3.6-1 and 3.6-2 and Tier 1 Volume 1, Technical Appendix 1F. All volumes have integrated IQ and engagement. An IQ and Engagement Roadmap is provided in Volume 3 part 2 Attachment A. (d) IQ and engagement has been clearly delineated throughout the volumes. Refer to Tier 2 Volume 3 part 2 section 3.6.2 for methodology and the roadmap in Volume 3 part 2 Attachment A. (e) Clarification on how Consultation and engagement has informed the FEIS is provided in Tier 2 Volume 3 part 1 section 5, Volume 3 part 2 Attachment A, Tier 2 Volume 3 Part 2 Section 3.6 and Figures 3.6-1 and 3.6-2 and Tier 1 Volume 1, Technical Appendix 1F (f) Tier 1 Volume 1, Technical Appendix 1F figures 1.3-1 and 1.3-2 as well as Tier 2 Volume 3 Part 2 section 3.6.4 (g) AREVA has clearly demonstrated how IQ has been integrated into adaptive mitigation and monitoring plans. Refer to Volume 3 Part 2 Figures 3.6-1 and 3.6-2 and the IQ and EN roadmap in Attachment A. Refer to the notes in the Roadmap.
NIRB 23 (a to c)			Cumulative Effects Assessment – A number of parties raised issues regarding the assessment of cumulative effects in the DEIS. The Board agrees that the assessment of cumulative effects in the FEIS should be improved and enhanced. In addition to the numerous commitments made in Appendices 1 and 2 that relate in some fashion to the CEA, the Board requires AREVA to: a. Reconsider cumulative effects starting with all project effects, not only those residual effects that are assessed to be significant; b. Incorporate in quantitative terms the available information on past, present and reasonably foreseeable future mineral exploration activities within the RSA, and derive estimates of individual project footprints (sq. km) and range of effects from project activities such as helicopter usage and aeromagnetic surveys on valued ecosystem components. Consideration for the potential cumulative effect of habitat fragmentation from regional activities to caribou populations should also be demonstrated; and c. Clearly identify those elements of the Project that may be overbuilt to accommodate future developments.	Tier 1; Tier 2	Volume 6 - Terrestrial Environment; Appendix 1E Cumulative and Transboundary Volume 2 - Project Description and Assessment Basis	Appendix 1E including Section 1.1.1 : Volume 6 Section 13.3: Volume 2 Section 19.1	(a) The Project Inclusion List was updated and supporting text added to Appendix 1E to support cumulative effects assessments throughout the FEIS. Cumulative effects were considered for all residual project effects, significant or not significant. Full assessments were completed for those effects, regardless of significance determination, that had the potential to act in combination in a measurable way with other activities or projects. In particular, the FEIS contains a revised cumulative effects sections on caribou and muskox that include consideration of potential Project effects in Tier 2, Volume 6, Section 13.3 – Cumulative Effects Assessment for Caribou and Muskox. (b) Updated the cumulative effects assessment (Tier 2, Volume 6, Section 13.3 – Cumulative Effects Assessment for Caribou and Muskox, Section 13.3.3) to consider project footprints (where available) and possible zones of influence for the projects included in the updated Project Inclusion List (Tier 1, Appendix 1E– Cumulative and Transboundary Effects) Mineral exploration footprints are estimated in Appendix 1E Section 1.1.1. (c) No facilities will be overbuilt

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NIRB 24			Provide a more comprehensive analysis of labour force projections, using the most recent labour market analysis, which includes a clear delineation of project development phases and anticipated Inuit employment levels at each phase of the project, the required efficacy of training programs and estimated turnover rates. Present the analysis in terms of AREVA's plan to meet a 50% Inuit hiring target.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Attachment B	A Labour Market Analysis dated September 2014 is provided as Attachment B to Volume 9.
NIRB 25			Recognizing that the IIBA cannot be finalized until the conclusion of the NIRB's process, AREVA should provide in the FEIS an update of all relevant non-confidential information pertaining to the draft IIBA.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6	At the time of FEIS preparation AREVA and KIA were in continued negotiations without a mutually approved non-confidential summary available.
PHC-1			[BLHTO] Continue to communicate access road options AREVA is assessing for an environmental assessment approval and include community comments in engagement section of the final environmental impact statement (FEIS). Given possible approval of multiple access road options, AREVA will list influencing criteria for a decision to construct an all-season road in the FEIS.	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Volume 3 Part 1 - Engagement; Technical Appendix 2K - Winter Road Report; Appendix 2L - All-Season Road; Appendix 2M - Road Management	Volume 2 Section 4.2.5; Appendix 2M Section 3.1.2; Appendix 2K Sections 2.3, 3.2, 3.3, 3.4, 3.9.1, 4.1, 4.3.1; Appendix 2L Sections 2.1, 2.2, 2.4, 3.2, 3.2.1, 3.3, 3.4, 3.6, 3.10.1, 3.10.2, 3.10.3, 4.1	A sample of engagement comments are included in Volume 2 Section 4.2.5. Additional engagement comments are included throughout Appendix 2K and 2L Influencing criteria outlined in Roads Management Plan (Appendix 2M)
PHC-2			[CNSC] Provide a discussion in the FEIS on the sampling that would be conducted at the east and center tailings facilities during operations to verify the hydraulic conductivity of produced tailings to inform the final design of the Main Zone tailings management facility (TMF).	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J Section 5.4.3	Discussion of geotechnical testing of tailings is provided in Appendix 5J Section 5.4.3.
PHC-3			[CNSC] Provide a discussion in the FEIS that outlines contingencies or mitigation measures for the conceptual design of the Main Zone TMF in the event that the hydraulic conductivity of the tailings are lower than predicted and may result in a long time to achieve tailings consolidation.	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J Section 5.4.3	Additional information outlines measures that can be taken to decrease the amount of time required for consolidation is provided in Appendix 5J Section 5.4.3
PHC-4			[CNSC] Commit in the FEIS to verify the site mean annual surface temperature with measured ground thermal data and update the thermal modeling with the measured ground thermal and climate data.	Tier 1; Tier 3	Technical Appendix 5D - Groundwater Flow Model	Volume 5D, Section 5.2.	Volume 5D contains the hydrogeology follow-up program which includes monitoring of climatic data, surface and subsurface temperatures.
PHC-5	NIRB 8 (AREVA 5vi)	[CNSC] Add text to commitment 5vi "the program will also include further study of hydrogeologic relationship between faults and the mines that penetrate the permafrost including the measurement of the hydraulic conductivity of major faults at mine sites and updates of inflow predictions to the mines." See NIRB 1 (a to f) AREVA Commitment 5vi – Provide details on the contents of a draft hydrogeology follow-up program in the FEIS.	Details of the hydrogeology follow-up program will be provided prior to licencing and will include plans for acquiring additional baseline groundwater chemistry, hydraulic heads, and thermal conditions. The program will also include further study of the hydrogeologic relationship between faults and the mines that penetrate through the permafrost.	Tier 3	Technical Appendix 1D-III; Technical Appendix 5D - Groundwater Flow Model	Volume 5D Section 5.2	Volume 5D section 5.2 provides details of the hydrogeology follow-up program including the relationship between the faults and the mines.
PHC-6			[CNSC] Provide a figure similar to figure 4 in Appendices 1 and 2 of the responses to show the regional or local major fault zones, if any, which cut through the underground mine at End Grid.	Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Volume 5B Figure 4.2-25	A figure showing the End Grid Mine in plan view with geology and major faults has been added to Appendix 5B as Figure 4.2-25
PHC-7			[AANDC] Continue to update commitment list table that refers to information to be provided in the FEIS and during the post environmental assessment (EA) phases and include information requested by AANDC in information request (IR) 25.	Tier 1	Technical Appendix 1D-III	Appendix 1D	This Appendix presents a list of Commitments to facilitate a smooth transition between EA and licensing.

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PHC-8	NIRB 1a	[AANDC] AREVA will conduct further investigation regarding the characterization of the overburden soils at each mine area including thickness, and stability analysis of the overburden soils as discussed in the geotechnical appendix.	1. Baseline Data – Given the significant lapse of time between submission of the DEIS and the expected submission of the FEIS, as well as the time available before September 30, 2014, data should be updated as appropriate and necessary within the FEIS submission. Any newly acquired baseline data incorporated into the Project effects assessment since submission of the DEIS should be appropriately identified. In addition to AREVA's specific commitments to update information, the FEIS must include: a. Collection and analysis of the baseline information contemplated in Appendix 1 commitments 2ii, 2iv, 2vi, 2ix, 5iii, 5v, 5vi, 6i, 6ii and 6iii, as well as Appendix 2, commitments 5 and 8;	Tier 3	Technical Appendix 1D-III; Technical Appendix 6A - Surficial Geology and Terrain Baseline	Appendix 6A Section 2.1	There is no additional baseline data to be incorporated into the FEIS. Additional geo-technical information will be included as part of the site investigation for the detailed design phase of the project. This is addressed in Appendix 6A Section 2.1
PHC-9			[AANDC] Provide summary of details of the mine design criteria and geotechnical design parameters regarding configuration, location, factor of safety and other performance criteria in a tabular format.	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis	Volume 2, Section 5.4.2.1; Technical Appendix 2V	Mine design criteria is outlined in Volume 2 Section 5.4.2.1 as well as Technical Appendix 2V (entire volume).
PHC-10			[AANDC] Present a program for geotechnical studies that will be used in the final design of the Andrew Lake containment dike in the FEIS. The program should include: a) geological mapping of visible on-land rock fractures and presence of faults; and b) measurement of hydraulic conductivity in the unfrozen bedrock in the lake. Further, show or discuss in the FEIS a conceptual mitigation component in their preliminary containment dike design that would prevent unacceptable seepage through the fractured rock.	Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Volume 2F Section 6	PHC commitment 10 resulted from Technical Comment 2 and Information request AANDC 36. PHC commitment 10 is related to PHC commitment 11. Seepage and geotechnical investigation design is included in Volume 2F Section 4.4 and Volume 2F Section 6
PHC-11			[AANDC] Provide conceptual designs including mitigation measures for construction design options for the Andrew Lake dewatering structure.	Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Appendix 2F Section 4.4	PHC commitment 11 resulted from Technical Comment AANDC 2. PHC commitment 11 is related to PHC commitment 10. Seepage and geotechnical investigation design is included in Volume 2F Section 4.4 and Volume 2F Section 6
PHC-12			[AANDC] Provide a comparison of the design of containment ponds with similar operations in the arctic in order to provide confidence in the effectiveness of the design. This comparison should consider potential deficiencies outlined in AANDC Technical Comment 3, including operation of the leak detection system.	Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds	Volume 2D Section 5.2.3	Dual containment systems with leak detection are not typical of currently operating mines in the arctic. The current mines in Nunavut or the Northwest Territories use single liner systems. This discussion and material related to the operation is addressed in Volume 2D Section 5.2.3.
PHC-13			[AANDC] Provide additional information on the robustness of the tailings facility design and potential mitigation measures that could be undertaken related to the design of the facility considering the potential for permafrost degradation and the near surface groundwater flow under the conditions of no permafrost.	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J Section 7.3.2	Additional information has been provided on the robustness of the TMF design under the conditions of no permafrost in Appendix 5J Section 7.3.2.
PHC-15			[AANDC] Include consideration of composting its viability within AREVA's waste management strategy.	Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 2.1.1	Composting food waste is an attractant for wildlife; therefore, all food waste will be incinerated. This is addressed in Appendix 2S Section 2.1.1
PHC-16			[NIRB] Add discussion of the effluent treatment process alternatives that were listed in Appendix 2A, Table 2 in the DEIS.	Tier 3	Appendix 2A - Alternatives	Appendix 2A - AREVA Addendum Section 2.7	Discussion of water treatment process alternatives for the Kiggavik site during operation is presented in Appendix 2A AREVA Addendum Section 2.7
PHC-17			[NRCan] Update Section 2.3.5.8 of Volume 2 in the FEIS with the requirement to obtain an Explosives Factory Licence	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 2.3.5.8	Explosives license requirement noted in Volume 2 Section 2.3.5.8
PHC-18			[KIA/NIRB] Continue to summarize engagement collected and update the list of issues raised in Volume 3 including information collected on discussions on the access road.	Tier 2	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 Section 4.2, Table 4.2-1	AREVA continued to summarize issues and concerns raised during engagement activities. Refer to Tier 2 Volume 3 Part 1 Section 4.2, Table 4.2-1
PHC-20			[NIRB] Review 2011 and 2012 ambient air quality baseline data and determine whether or not the quality of the data can be used in the assessment of the ambient air quality program, especially for the high volume air sampler monitoring	Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment	Volume 4 Part 1 - Air Quality and Climate Section 5.1.2 and 5.1.4; Appendix 4B, Section 3.1.1 and 3.1.3	Integrated 2011-2013 air quality samples (including total particulate, metals and radionuclides) into the baseline discussion. Background concentrations were calculated using this data and added to model predicted concentrations. All air quality model results tables and figures were updated to incorporate background.
PHC-21			[NIRB] Provide rationale and justification as to why the effects of noise and vibration from Project activities are not assessed as part of the worker health assessment	Tier 2; Tier 3	Volume 8 - Human Health; Appendix 2P - OHS	Section 5.7 Volume 8;	Section 5.7 Noise Exposure has been created in Volume 8 to address worker exposure to noise and vibration; an assessment cannot be conducted until the detailed design stage.

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PHC-23	NIRB 13	[KIA] Provide a framework for the Dust Monitoring and Mitigation Plan. The Framework should address process for: a) The collection and incorporation of Inuit Qaujimajatuqangit (IQ) to inform plan development; b) The development of a monitoring and mitigation plan to detect and respond to dust issues in a preventive and proactive manner and which addresses spatial and temporal aspects and parameters to include in a monitoring program; and c) The implementation of the Dust Monitoring and Mitigation Plan.	13. AREVA Technical Meeting Commitment 23 – Provide a Draft Dust Monitoring and Mitigation Plan within the FEIS, rather than just a framework for a plan. The Draft Plan should also address KivIA's submission to discuss the feasibility that the ore and waste rock storage areas should be covered or managed to prevent wind dispersion of dust contaminants.	Tier 3	Appendix 2H - Ore Storage; Appendix 2M - Road Management; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 2H Section 4.3 Appendix 4C, Section 2.2, 4; Appendix 2M Attachment A	AREVA has considered covering of stockpiles, but is no longer considering this option. Feasibility of covering ore stockpiles and rationale is discussed in Appendix 2H Section 4.3. Dust mitigation and monitoring has been integrated into the Air Quality Monitoring and Mitigation Plan (Appendix 4C). Mitigation measures are presented in section 2.2 of this document and monitoring is discussed throughout Section 4. Dust suppression for the roads is detailed in Appendix 2M Attachment A
PHC-24			[EC] Provide additional information on the specific types of emission control devices and control efficiency to be used for equipment to reduce emission sources after conducting a detailed design of the emission control devices. The information will be provided to EC at the CNSC licensing stage.	Tier 1	Technical Appendix 1D-III		This commitment will be addressed during the detailed design phase of the project and will be available at the time of licensing.
PHC-25			[NRCan/CNSC] Meet with NRCan and CNSC regarding the criteria used to define lakes that may support the formation of taliks and report back the results of the discussion.	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Volume 5D Section 2.2.2	A discussion was held with the CNSC and NRCan at the technical meeting that outlined criteria to assess the formation of taliks. The analysis included the criteria established in PHC-26 and has been included in Vol 5D Section 2.2.2
PHC-26			[NRCan/CNSC] Revise and undertake the following: 1) use a range of ground temperatures (between -5 to -8°C as presented in the DEIS to determine whether additional lakes should be considered to have potential hydrologic connections to the deep groundwater flow system and the currently available thermal data will be used to update the thermal models; 2) provide a list of all lakes analyzed, including the characteristics of the lakes and multiple lines of reasoning (with lake specific conditions) that are used to determine whether or not there is a talik under each lake; and 3) update the groundwater model, inflow rate and other groundwater flow related calculations should the new analysis identifies additional taliks that should be added to the boundary conditions.	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Volume 5D Section 2.2.2	The analysis requested was undertaken. The list of lakes analyzed is provided in Volume 5D Table 2.2-1 and the list of lakes potentially supporting taliks is listed in Volume 5D Table 2.2-2. The list of lakes potentially supporting taliks has not changed therefore the groundwater model did not require updating.
PHC-27			[NRCan/CNSC] Additional thermal data will continue to be collected post-EA to provide AREVA with an improved characterization of ground thermal conditions to periodically update these thermal models as part of the hydrogeologic follow-up program.	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 5.2.	Additional thermal data will continue to be collected as described in Appendix 5D Section 5.2.
PHC-28			[KIA] Provide clarification on the definition used of 'acceptable levels' for total suspended solids and turbidity outside the silt curtain during construction of in-water and shoreline structures.	Tier 3	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Sections 8.1.1, 9.1.1; Tier 3, Appendix 5O	Also added to Tier 3, Appendix 5O
PHC-29			[GN] Provide an assessment of the potential combined effects of the project, climate change and permafrost to changes in wetlands	Tier 2	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6.2.1.5, Tier 3, Appendix 5K, Section 5	Tier 2, Volume 5, Section 6.2.1.5 edited to indicated that only wetlands under the Project footprint will be affected. Discussion added in Tier 3, Appendix 5K Section 5 on the potential effects of climate change on wetlands.
PHC-30			[CNSC] Provide attachments E and F (related to data and calculations of waste rock segregation) as referenced in Appendix 5F to parties for review.	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Vol 5F Attachments	The attachments are provided as attachments to Volume 5F.
PHC-31	5vii	5vii - Initiate additional static and kinetic testing of Type 2 drill core samples	[CNSC] Update commitment 5vii to: "Initiate additional static and kinetic testing of Type 2 drill core samples and include and update of waste volumes and loading rates based on the testing results of Type 2 rock." and include this commitment in the FEIS.	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Vol 5F Section 11.	Continued mine rock characterization for all stages of mine development is provide in Volume 5 F Section 11.
PHC-32	NIRB 8 (5v)	[CNSC] Provide plan view map that shows the fault zones that were used in the models for the mine inflow predictions. See NIRB 1 (a to f) AREVA Commitment 5vi – Provide details on the contents of a draft hydrogeology follow-up program in the FEIS.	Provide additional cross sections that display the site hydrogeology and relationship between the faults and the proposed mines.	Tier 3	Technical Appendix 5E - Prediction of Water Inflows to Kiggavik Project Mines	Appendix 5E Figure 2.4-1	Appendix 5E Figure 2.4-1 to provide a plan view of regional faults incorporated at 2D vertical discrete elements

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PHC-33			[AANDC] Provide rationale for additional waste rock sampling and testing, and provide contingencies for the management of waste rock in the FEIS should the predicted quantities of each type change.	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Appendix 5F, Table 8.1-1 and Section 11.1.1	As shown in Table 8.1-1 of Section 8.1, Type 3 waste rock estimates conservatively include a 30% contingency.
PHC-34			[AANDC] Provide clarification in the FEIS on the sourcing of Type 1 rock for initial construction purposes to demonstrate that it can be sourced within the existing site footprint.	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Appendix 5F, Section 9.1	As per Appendix 5F, Section 9.1, the amount of mine rock material that could safely be used in any type of site construction was determined to insure CCME guidelines for the protection of freshwater aquatic life would not be exceeded.
PHC-37			[DFO] DFO to provide most up to date Freshwater Intake End of Pipe Intake Guideline for all intake structures proposed for withdrawal related to the project, including winter water withdrawal for the winter access road.	Not Integrated into FEIS	Not Integrated into FEIS	n/a	Not Integrated into FEIS
PHC-38			[DFO] Need for blasting to facilitate the construction of the diversion channel between the upstream portion of Mushroom/End Grid stream and End Grid Lake will be determined at fisheries authorization stage and the information on whether not blasting would be required would be provided at that time	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Section 11.1.1	Added paragraph to Section 11 - Effects Assessment for Fish Populations
PHC-39			[DFO] Conduct additional baseline data in the Northwest and East Basins of Judge Sissons Lake where the effluent diffusers are proposed to be located.	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Tier 2, Volume 5, Sections 5.3, 5.3.3, 5.4, 5.4.1, 5.4.3, 5.5, 5.5.1, 5.5.2, 5.5.5.1, 5.5.5.2, 5.5.5, 5.5.5.1.4; Tier 3, Volume 5, Appendix 5C, Attachment 5C-1 (all sections)	Additional WQ, SQ, limnology, and habitat assessment was conducted in NE and E basins of JSL in August 2013 - reported in Attachment 5C-1 (appendix to Tier 3, Volume 5, Appendix 5C).
PHC-40			[DFO] Update Appendix 5L to include a discussion on temporary crossings	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Volume 5, Appendix 5L, Section 2.1.2	Updated Appendix 5L to include discussion of temporary crossings.
PHC-41			[DFO] Provide further clarification on Table 10-1 and why certain habitat/crossings were identified as not being available	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Volume 5, Section 5.5.5.1 (Table 5.5-16)	New footnote in new Table 5.5-16 have been integrated to Volume 5
PHC-42			[DFO] Provide cofferdam options that could be used to isolate work areas from flowing water.	Tier 3	Volume 5 - Aquatic Environment	Tier 3, Appendix 5O, all sections	New Appendix 5O Sediment and Erosion Control Plan added.
PHC-43			[DFO] Update fish habitat compensation plan in collaboration with stakeholders prior to the FEIS and include any updates based on potential changes to the Fisheries Act that might be upcoming recognizing that details provided would be available at authorization stage.	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5M - Aquatic Effects Monitoring	Tier 3, Appendix 5M - Section 5.2, 6.5, Table 6.0-1 updated already; 5L all sections	Tier 2 Volume 5 updated to remove reference to FHC and changed to reflect the new fisheries offsetting requirements. Appendix 5L is now a Conceptual Fisheries Offsetting Plan. Appendix 5M updated.
PHC-45 (10ii)		10vii - An updated spill contingency plan compliant with applicable Nunavut Environmental Protection Act and Nunavut Spill Contingency Planning and Reporting Regulations requirements will be provided for review and approval at Project licensing.	[GN] Change timeline for providing an "updated spill contingency plan compliant with applicable Nunavut Environmental Protection Act and Nunavut Spill Contingency Planning and Reporting Regulations requirements for review and approval" to the FEIS.	Tier 3	Appendix 10B - Spill Contingency	Section 2.5 and 2.5.2 reviewed and minor updates, Section 1 Introduction, 1.3 Revisions to Plan Updated	Plan reviewed against Nunavut Environmental Protection Act and Nunavut Spill Contingency Planning and Reporting Regulations requirements and plan updated accordingly, including commitments for reviews and updates.
PHC-46			[EC] Monitor total suspended solids in freshwater diversion channels four times during the open water season for the first year following construction, in order to assess the adequacy of the erosion control measures.	Tier 3	Appendix 5M - Aquatic Effects Monitoring	Tier 3, Appendix 5M - Section 6.3, Table 6.0-1	A commitment to monitor total suspended solids in freshwater diversion channels four times during the open water season for the first year following construction has been included in Appendix 5M.
PHC-47			[NIRB] Include an analysis of the marine shipping activities on the freshwater aquatic environment of Baker Lake in the aquatic environment volume (Volume 5).	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Sections 4.4 and 8.1.1	Updated Tier 2 Volume 5 Sections 4 and 8.
PHC-49			[GN] Further discussion with the Government of Nunavut to assess the accuracy of their ecological land classification (ELC) imagery in the Kiggavik regional study area (RSA).	Tier 2	Volume 6 - Terrestrial Environment	Tier 3, Appendix 6C Section 4.5.1	Integrated analysis of ELC accuracy into Tier 3, Appendix 6C (Wildlife Baseline) Section 4.5.1 -- Habitat Suitability Rankings.

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PHC-50			[GN] Conduct a sensitivity analyses on ELC data habitat classes used in the assessment. The accuracy assessment will be incorporated by AREVA in the FEIS, and AREVA will review and revise confidence levels in impact predictions where warranted.	Tier 2	Volume 6 - Terrestrial Environment	Sections 13, 14, 15, 16	Incorporated a consideration of the accuracy of the ELC data, as one of several variables, when defining confidence in effects determination, when it was used as a basis of assessment of habitat effects (e.g., caribou, muskox, birds). If the accuracy of the ELC had a substantial influence on effects prediction confidence, it was noted in text summarizing residual effects on particular VECs and habitat.
PHC-52			[GN] At the request of the GN, AREVA will conduct a shorebird habitat loss assessment and will include it in the FEIS.	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 16.1, 16.2.1	Completed and integrated shorebird habitat analysis into migratory birds section of Tier 3, Appendix 6C (wildlife baseline), and effects analyses in Tier 2, Volume 6, Section 16 (Migratory Birds).
PHC-53			[GN/EC] Provide a more detailed discussion on how AREVA will meet the requirements of the Migratory Bird Convention Act and the Migratory Bird Regulations including the recommendations made by EC in technical comment 6.	Tier 2	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP		Updated Appendix 6D – Wildlife Mitigation and Monitoring Plan, to include updated direction on Activity Migratory Bird Nest surveys and set-back (buffer) distances used to protect nests of different species provided by Environment Canada. The WMMP was updated in lieu of providing the dated "Work Instruction KIG-722-02, Active Bird Nest Identification and Monitoring".
PHC-54	NIRB 14	[EC] Provide a framework for the monitoring plan that would include a) the monitoring of waterfowl and waterbird to document the use of the TMF, water storage facility, site drainage ponds, water monitoring ponds and sedimentation ponds; and b) mitigation measures that would be put in place.	14. AREVA Technical Meeting Commitment 54 – Provide a draft monitoring and mitigation plan in the FEIS for waterfowl and waterbirds, rather than just a framework for a plan.	Tier 3	Appendix 6D - WMMP	Section 4	Updated the WMMP (Appendix 6D) that addresses monitoring needs for migratory birds, including waterfowl. Greatest interaction potential for waterfowl is the Tailing Management Facility. On-site observations during operations will determine whether follow-up monitoring will be required.
PHC-55	NIRB 15	[KIA/GN/NIRB] Update the Wildlife Mitigation and Monitoring Plan (WWMP) framework for the FEIS. The framework will include items such as AREVA support of regional monitoring programs for species including caribou, grizzly bear and wolverine. The WMMP framework will address local ground-based surveys for direct project interactions with the following species and groups: caribou, grizzly bear, wolverine, wolves and birds. The Project interactions will include consideration for roads and pipelines. The WMMP will be developed with input from Inuit Qaujimajatuqangit (IQ) holders and will include explicit reference to the role of IQ in monitoring project effects on wildlife, the use of IQ indicators and measures (to be developed with IQ holders) and the use of IQ monitoring results in the adaptive management process. The information from this plan will be evaluated within AREVA's continual improvement and adaptive management framework.	15. AREVA Technical Meeting Commitment 55 – Provide a Draft Wildlife Mitigation and Monitoring Plan in the FEIS, rather than just a framework for a plan. Incorporate into the Draft Plan renewed advice from the GN on the issue of the use of a '50 caribou threshold' for suspension of activities.	Tier 3	Appendix 6D - WMMP	Section 4	Incorporated alternative Decision Matrix mitigation strategy into Tier 3, Appendix 6D WMMP
PHC-56			[EC] Include in the WMMP framework a commitment to log and map ship tracks and report it in the annual monitoring reports	Tier 3	Volume 7 - Marine Environment	Volume 7, Section 6.2.1.6 and Section 11	The following information has been included in Volume 7, Marine Environment to address this request. Ship logs will record course adjustments to avoid sensitive habitat (i.e. near Coats Island), vessel speed and speed reductions in important areas (i.e. Port of Churchill).
PHC-57			[GN/NIRB] AREVA will include wolf as a key indicator and undertake an assess of wolf denning habitat loss in the FEIS.	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 14	Included wolf as a key indicator in the FEIS and assessed denning habitat, Tier 2, Volume 6, Section 14 – Wolves.
PHC-58			[KIA] Provide rationale to the cumulative effects assessment to explain why AREVA considered the Meadowbank Mine and 5 communities in the region for the assessment of habitat loss and that exploration activities were not included.	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Updated the cumulative effects assessment for caribou in Tier 2, Volume 6, Section 13.3 – Cumulative Effects Assessment for Caribou and Muskox. Exploration activity footprints and zones of influence are considered in the updated cumulative effects assessment.
PHC-59			[KIA] Provide rationale of the 50 caribou threshold used in the WMMP in the FEIS as provided in IR-KIA05: The Government of Nunavut Department of Environment (GN-DOE) communicated the acceptability of a 50 caribou threshold in correspondence to the NIRB dated December 16, 2008.	Tier 3	Appendix 6D - WMMP	Section 5	Incorporated alternative Wildlife Decision Matrix mitigation measures in WMMP

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PHC-61			[EC] Provide further discussion on the practicality of complying with the following: Fly at times when few birds are present (e.g., early spring, late fall, winter)If flights cannot be scheduled when few birds are present, plan flight paths that minimize flights over habitat likely to have birds and maintain a minimum flight altitude of 650 m (2100 feet).Plan flight paths to avoid known concentrations of birds (e.g., bird colonies, moulting areas) by a lateral distance of at least 1.5 km. If avoidance is not possible, maintain a minimum flight altitude of 1,100 m (3500 feet) over areas where birds are known to concentrate. Minimize flights during periods when birds are particularly sensitive to disturbance such as migration, nesting, and moulting. Avoid the seaward side of seabird colonies and areas used by flocks of migrating waterfowl by 3 km. Avoid excessive hovering or circling over areas likely to have birds. Inform pilots of these recommendations and areas known to have birds "	Tier 2	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Section 4.1.2	Adopted EC guidelines and enhanced mitigation measures to reduce effects on migratory birds, summarized in Appendix 6D – Wildlife Mitigation and Monitoring Plan, Section 4.1.2 – General Mitigation for Migratory Birds. Adopting the EC guidelines acknowledges that flights will occur when birds are present in the Project area.
PHC-62			[NIRB/GN] Provide a discussion of invasive species from all types of transportation with respect to aquatic and terrestrial plant and animal species.	Tier 2	Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment	Volume 5 Section 10.1.1; Volume 6 Section 9.2.3.3, 9.2.4, 9.2.7; Volume 7 Section 4.3.2.1	Discussions on invasive species, related to transportation, are included in the FEIS. Commitment to clean equipment and machinery of foreign particles (e.g., soil, thatch) prior to initial transport to the Project are aimed at preventing introduction of non-indigenous and/or invasive plant and animal species.
PHC-64			AREVA to elaborate the rationale to be used in potentially selecting an alternative to the 5000 tonne barge. Provide a discussion on shipping routes, traffic communication and management systems as well as the safety aspects of moving it through the Chesterfield Inlet Narrows.	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2J - Marine Transport	Volume 2, Section 10.3.3 and Appendix 2J, Section 3.5.4	Barge selection rationale is presented in Volume 2 Section 10.3.3 and Appendix 2J Section 3.5.4
PHC-66			[DFO] DFO to provide risk assessment process developed by Transport Canada and Fisheries and Oceans Canada to AREVA to determine if invasive species can be brought into arctic waters with ballast water	Tier 2	Volume 7 - Marine Environment	Section 4.3.1.2	A discussion on non-indigenous and invasive species with respect to ballast water management and hull fouling prevention has been added to Tier 2, Volume 7, Section 4.3.1.2 based on discussion held with DFO representatives.
PHC-67			[DFO] Expand on the issue of marine invasive species and provide a discussion in the FEIS on how AREVA will work with Fisheries and Oceans Canada, Transport Canada, and marine shipping operators in the region to identify and implement best practices to minimize risk of marine invasive species.	Tier 2	Volume 7 - Marine Environment	Section 4.3.1.2	A discussion on non-indigenous and invasive species with respect to ballast water management and hull fouling prevention has been added to Tier 2, Volume 7, Section 4.3.1.2
PHC-68			[GN] Include Table 4.2-27 (Winter food consumption of traditional foods in Baker Lake) in Appendix 9A into Appendix 8A for further clarity.	Tier 3	Appendix 8A - EHHRA	4.2.1.3	Winter food consumption table added to Appendix 8A
PHC-69			[GN] Provide a discussion on how AREVA will review environmental monitoring data with respect to ecological effects and its relation to human health, provide routine reporting of environmental performance and periodically update the ERA and HHRA in accordance with established standards.	Tier 3	Appendix 2T - EMS	Technical Appendix 2T Sections 1.1, 2.2, 4, 4.3.1, 5, 5.1	Information on how AREVA will review environmental monitoring data, provide routine reporting of environmental performance and periodically update the ERA and HHRA in accordance with established standards is provided in Technical Appendix 2T - Environmental Management Plan.
PHC-71			[CNSC] Review and correct as necessary any errors in dose values found in tables in Section 6.4 of Tier 2, Volume 8 (Human Health)	Tier 2	Volume 8 - Human Health	Volume 8 Section 6.4	Dose calculation errors identified have been corrected.
PHC-72			[CNSC] Include dose estimates and detailed calculations for workers based on variable ore grades to prove that worker dose assessments are insensitive to different ore grades.	Tier 2	Volume 8 - Human Health	Volume 8 Section 6.5	Doses are sensitive to changes in ore grade. The assessment has been updated to evaluate suitable bounding cases for grades and production levels. The conclusion that dose limits will be respected during mining and milling is not sensitive to small changes in ore grade.
PHC-73			[CNSC] Policies, process, procedures and training programs will be developed during licensing that incorporate an integrated approach to the management of human performance.	Tier 1	Technical Appendix 1D-III	Section 1.2 1. Scope of Kiggavik Project OH&S Plan added licensing commitment	Policies, process, procedures and training programs will be developed during licensing that incorporate an integrated approach to the management of human performance.

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PHC-74			[NIRB] Update the Project Inclusion List and associated map with the addition of communities in Saskatchewan, Manitoba and Northwest Territories. Clarify the scope of past, present and future projects in the FEIS and the use of the various assessment cases.	Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E Attachment A	Project Inclusion List updated and supporting text added, communities included in the list and figures and the project scope included as a column in the Project Inclusion List.
PHC-75			[KIA] For the final EIS, AREVA to prepare a "Framework for Management of Risk Perception" that will include existing commitments made by AREVA during the technical review (3A, 3D and 3i) to address, in addition: 1) how lessons learned from projects in Northern Canada and Saskatchewan can be applied to the Kiggavik project; 2) identification and incorporation of best practices for managing perception of risk to community well-being and harvesting of country foods; 3) a plan for communicating risk and informing communities; and 4) a plan for reporting changes in community perception of risk and well-being.	Tier 3	Appendix 3C - Community Involvement	Tier 3 Volume 3 Appendix 3C section 4.2 and 6.3 all.	The Community Involvement Plan addresses the application of lessons learned and best practices, describes the monitoring and management of risk perception, and provides plans for communicating with local stakeholders.
PHC-77			[GN] Consider additional climate change IQ that is available through the Nunavut Climate Change Centre, and the information in the Arctic Climate Impact Assessment Report (2005) in the assessment of the project.	Tier 3	Appendix 5K - Water Balance	Tier 3 Appendix 5 K Section 4.0	IQ from the NCCC and ACIAR, related to climate change, has been included in Section 4.0.
PHC-79			[GN/AANDC] Update the Archaeological Mitigation Plan to include a discussion on the possible mitigation measures to be applied to during the life of the Project including: sampling procedures, identification of priority areas of sites, timing/work schedule and proposed consultations with stakeholders and any additional information required under the Archaeological and Paleontological Sites Regulations. It is recognized that the final details will be provided at the time of licensing.	Tier 3	Appendix 9B - Archaeology Baseline; Appendix 9D - Archaeological Mitigation	Appendix 9D Archaeology Mitigation Plan, Sections 2.3, 2.4, 2.5	Refer to Archaeology Mitigation Plan, Tier 3 Appendix 9D Sections 2.3, 2.4 and 2.5.
PHC-80			[GN] Update the Road Management Plan on the criteria to be used in selecting snow storage areas or snow berms and the AREVA proposed locations for any known snow storage areas or snow berms since these activities may interact with heritage resources, recognizing that final details will be provided at the time of licensing.	Tier 3	Volume 2 – Project Description Appendix 2M – Road Management Plan	Appendix 2M – Road Management Plan, Section 5.1	Specific to heritage resources, Section 5.1 of Appendix 2M – Road Management Plan, states the following "the selected location of snow storage areas will be no closer than 100m from designated archaeological sites" which addresses the concern about interaction of snow storage areas with heritage resources.
PHC-83			[GN] Provide a summary of the range of training programs (e.g. pre-employment, skills upgrading, technical and supervisory/management training) at their Saskatchewan operations as well as a discussion of how these could be implemented in the context of Nunavut.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 7.3.1.1	Training programs at the AREVA Saskatchewan operations has been provided in the section of comparable experience.
PHC-84			[GN] Provide anticipated timelines, relative to construction start time to initiate multi party discussions regarding Project training programs, with the intent to come to agreements on collaboration.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 7.3.1.1	A discussion of collaborative approaches to training programs and timelines has been provided in Section 7.3.1.1. AREVA currently participates in the Mine Training Roundtable facilitated by the Kivalliq Mine Training Society and expects to increase its involvement during licensing of the Project once a positive development decision has been made. AREVA anticipates the majority of training investment to occur in preparation of and during the operations phase of the project. Following three years of construction, mining activity will precede milling activity by about two years allowing for about five years to train mill operators. Training at the start of the project is expected to be more specific with growing over the construction and start of mining to include a more diverse set of employment and training opportunities. AREVA believes it is preferable to initiate multi-party discussions regarding project training during licensing to ensure that a sustainable workforce is secured for the critical stages of the project.

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PHC-86 (9i)		9i - Discuss with NHC means to facilitate access to preferred housing on the part of AREVA's permanent workers.	[GN] Update technical commitment 9i to read: "Discuss with NHC means for AREVA to facilitate access to private housing on the part of AREVA's permanent operation phase workers."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 11.1.4	AREVA and NHC representatives met in April 2014 to discuss this concern. Section 11.1.4 notes that while there is potential for people with incomes to move into private housing, this scenario has not been realized in comparable situations (e.g., the NWT diamond mining context). Given the effects assessment, both parties generally agree that the Project will not result in a negative effect on housing given: • evidence that Meadowbank did not result in significant migration to Baker Lake; • increased incomes enable people to move into the private market in principle; • intra-community migration, if it occurs, is most likely to result in moves out of social housing units improving the conditions for those previously in overcrowded units or potentially freeing up units; and • evidence of out-migration to southern communities by Meadowbank employees reducing some demand on housing. Mitigation on behalf of AREVA would not be proposed to lessen negative project effects on housing as the assessment will conclude a positive effect on housing. Both parties acknowledge that despite increased incomes able to support a move to the private market this has not been realized in a significant way. It is agreeable for AREVA and the NHC to work collaboratively to implement possible AREVA and other-led mitigation items that may help to encourage improved housing situations. Possible AREVA Mitigation: • Ongoing communication with the NHC throughout operations to identify opportunities for information sharing and collaboration. Possible initiatives could be the inclusion of financial literacy and information on the rent policy as part of future possible pre-employment training program(s) or as part of other available AREVA programming. NHC Mitigation: • Encourage the construction of more affordable private sector housing with prices reasonable to be paid off during continuous employment during the anticipated mine life • NHC rent and housing allocation policies that encourage the move from social to private sector housing
PHC-88			[NIRB] Provide details on potential public access and associated mitigation for each road option	Tier 3	Appendix 2M - Road Management	Appendix 2M - Section 5.4	Public access for the Baker Lake to Kiggavik Road is addressed in Section 5.4. Mine site roads, including the Kiggavik to Sissons road will not be accessible to the public.
PHC-91			[AANDC] Provide further explanation for the use of a construction phase Inuit employment target of 10%.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Part 2 Section 6.3.1	Volume 9 Part 2 Section 6.3.1 notes that the 10% Inuit content is modest and conservative, but that 20% to 25% may be an achievable. Percentages are not targets but assumed Inuit employment for the purposes of a conservative assessment of effects and benefits. AREVA has every intention to prefer Inuit employment throughout the Project and is negotiating an IIBA with the KIA to identify and agree to initiatives that will facilitate successful Inuit employment.
PHC-92			[CNSC] Update FEIS to clarify that the transportation of yellowcake via land in Nunavut has been removed as an option	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2K - Winter Road Report; Appendix 2L - All-Season Road; Appendix 2U - Hazardous Material	Volume 2 Section 10.4, 10.6.1.1; Appendix 2K Section 1.1; Appendix 2L Section 1.1; Appendix 2U Section 2.3	Yellowcake transportation has been clarified in Volume 2 Section 10.4, 10.6.1.1, Appendix 2K Section 1.1, Appendix 2L Section 1.1, and Appendix 2U Section 2.3
PHC-94			[CNSC] Doses to workers resulting from accidents and malfunctions involving radioactive material will be included in the FEIS including calculation of radon exposure.	Tier 3	Volume 10 - Accidents, Malfunctions and Effects of the Environment; Technical Appendix 10A - Transportation Risk Assessment	Volume 10 Attachment B	An assessment of radiation exposure resulting from Accidents and Malfunctions is included as Attachment B to Volume 10. Radon dose is considered where appropriate.

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PHC-95			[GN/TC] Update the spill contingency plan, landfarm management plan, and the Oil Pollution Emergency Preparedness Plan (OPEP) to incorporate information available at the current stage of development provided by agencies during the technical review commenting stage	Tier 3	Appendix 2J - Marine Transport; Appendix 10B - Spill Contingency	Appendix 10B, Section 5.2.17 Appendix 2J, Sections 5.3 and 5.5	OPEP and Spill Contingency plans updated accordingly.
PHC-96			[NIRB] Provide a mechanism to show the changes made between the draft environmental impact statement and the final environmental impacts statement (e.g., a Concordance Table).	Tier 1	Volume 1	Appendix 1A	
PHC-1 (PTM)			Provide an explanation of the differences between the emission tests for the yellowcake plant stack that will occur every three years and the annual grab samples in the FEIS	Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Tier 3, Section 4.2	As stated in the FEIS, Technical Appendix 4C Air Quality Monitoring and Mitigation Plan, Section 4.2 and Table 4-2, source emission monitoring of the yellowcake plant stack will occur once per year with grab samples collected four times per year. The annual sampling will be an average of multiple grab samples, while the quarterly samples will be single grab samples. No changes to the FEIS are required to meet conformity.
PHC-2 (PTM)			Provide the refined analysis and prediction of greenhouse gas emissions broken down by mine fleet and power generation at a minimum in the FEIS	Tier 3	Technical Appendix 1D-III		A refined analysis of the predicted GHG emissions will be provided during licensing.
PHC-3 (PTM)	PHC-89	[GN] Update Volume 9 Section 7 'Comparable Experience' with any lessons learned since DEIS submission	Edit comment 89 from the technical meeting to read "Update Volume 9 Section 7 'Comparable Experience' to include examples of workforce support programs or policies used in AREVA's Saskatchewan operations (at other mining projects) and a discussion of how these could be implemented for Inuit employees in the context of Nunavut."	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 4.9 and 7.3.1.2	Section 4.9 has been updated to include the comparable experience in the Northern Alberta Oil Sands region (in terms of rapid population change). Section 7.3.1.2 includes examples of AREVA operations and how they might be implemented in Nunavut.

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Tier 1 Technical Appendix 1A:
Conformity Table

Information Requests

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IR-Intervener-No.				FEIS Tier	FEIS Volume or Appendix	FEIS Section	Comments
IR	AANDC	1		Tier 1; Tier 2; Tier 3	Volume 1		AREVA has endeavored to provide mapping and graphics in the FEIS submission balance the needs for both reduced file sizes with image quality
IR	AANDC	2		Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.1; Volume 6 Section 13.1.1	Clarified the difference between assessing the effects on the viability of the caribou populations in Tier 2, Volume 6 (Terrestrial Environment), versus the effects on those who harvest caribou in Tier 2, Volume 9 (Socioeconomics and Community). This clarification is provided in Tier 2, Volume 6, Section 13.1.1 (Standards or Thresholds for Determining Significance). The addendum to Appendix 2A clarifies that cumulative effects were only considered for viable alternatives. This is included in Section 2.1 of the Appendix 2A addendum.
IR	AANDC	3		Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Section 7	The alternatives assessment for the dewatering of Andrew Lake presented in DEIS Tier 3, Volume 2, Project Description and Assessment Basis, Appendix 2A, Section 7 relates mainly to the extent of dewatering and effects on the environment from each option. Detailed geotechnical analyses that include additional filed investigations and geotechnical design including seepage analysis and stability analyses, will be completed prior to licencing. During this design, the selection of appropriate construction materials, considering both stability and seepage as well local availability will be finalized. Based on the information presented in DEIS Tier 3, Volume 2, Project Description and Assessment Basis, Appendix 2F, and the low risk of failure identified in DEIS Tier 2, Volume 10, Accidents and Malfunctions, Section 5.2.6. detailed geotechnical analyses are not warranted at this stage of the project but will be complete prior to licencing.
IR	AANDC	4		Tier 3	Appendix 2A - Alternatives; Appendix 2R - Decommissioning	App 2R, Attachment A; Appendix 2A AREVA Addendum Section 2.18.2	The decommissioning of Andrew Lake Pit is discussed in Technical Appendix 2R, Attachment A and referenced in Appendix 2A AREVA Addendum Section 2.18.2
IR	AANDC	5		Tier 3	Appendix 2A - Alternatives; Appendix 2R - Decommissioning	Appendix 2R, Section 2.2.3; Appendix 2A AREVA Addendum Section 2.14	Above ground disposal of tailings and Type 3 mine rock is not considered most protective of the environment. The detailed rationale for not considering above ground disposal of tailings and Type 3 mine rock is presented in Appendix 2A AREVA Addendum Section 2.14. Appendix 2R Section 2.2.3 notes how in-pit tailings facilities will provide long-term protection of surface water upon decommissioning.
IR	AANDC	6		Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.10	The use of known, environmentally-acceptable standard waste management practices in the assessment is consistent with the precautionary approach of assessing the most conservative case. The rationale for selection of waste management alternatives is provided in Appendix 2A AREVA Addendum Section 2.10
IR	AANDC	7		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.2, 20.1	Proposed road options are outlined in Volume 2, Sections 10.4.2 and 20.1
IR	AANDC	8		Tier 3	Appendix 2R - Decommissioning	Appendix 2R Section 4.5.2	Alternative uses for roads after closure of the Project is provided in Section 4.5.2 of Appendix 2R.
IR	AANDC	9		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.2, 9.2, 10.2, 11.2 12.1.5, 13.2, 14.2, and 14.3	AANDC noted satisfaction with original IR response provided. Please refer to the FEIS Sections noted in the response. Tables 8.1-8, 9.1-2, 10.1-2, 11.1-8, 12.2-1, and 13.2-2 provide summary assessments of the significance of the cumulative effects on VSECs identified in the EIS. Tables 8.1-8, 9.1-2, 10.1-2, 11.1-8, 12.2-1, and 13.2-2 provide summaries of mitigation. Sections 6 (Socio-Economic Management) provide environmental designs and operating principles and policies designed to enhance benefits and mitigation potential negative effects of the project, many of which would contribute to cumulative effects mitigation. Section 14.3 specifically addresses social management in the cumulative context.
IR	AANDC	10		Tier 1	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 8.2	AANDC noted satisfaction with response to IR. Content from IR response integrated into Section 8.2.
IR	AANDC	11		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.2, 9.2, 10.2, 11.2, 12.1.5, 13.2, and 14.2	AANDC noted satisfaction with response to IR. Please refer to the FEIS Sections noted in the response.
IR	AANDC	12		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6, 8.2, 9.2, 10.2, 11.2 12.1.5, 13.2, 14.2 and 14.3	Please refer to the FEIS Sections noted in the response. Tables 8.1-8, 9.1-2, 10.1-2, 11.1-8, 12.2-1, and 13.2-2 provide summaries of mitigation. Sections 6 (Socio-Economic Management) provide environmental designs and operating principles and policies designed to enhance benefits and mitigation potential negative effects of the project, many of which would contribute to cumulative effects mitigation. Section 14.3 specifically addresses social management in the cumulative context.
IR	AANDC	13		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 4.5 and 4.6	AANDC noted satisfaction with response to IR. Please refer to the FEIS Sections noted in the response. Text has been edited to reflect that socio-economic effects assessment criteria are applied to transboundary (and cumulative) effects analysis.
IR	AANDC	14		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.3, 9.3, 10.3, 11.3, 12.2, 13.3	AANDC noted satisfaction with response to IR. Please refer to the FEIS Sections noted.
IR	AANDC	15		Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 4 Part 1 - Air Quality and Climate; Volume 4 Part 2 - Noise Vibration; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 8 - Human Health; Volume 9 Part 1 - Socio-Economic Environment; Appendix 3A - Engage Docs	Tier 2 Volume 3 Part 1 Section 3.4.3. Tier 3 Appendix 3A Part A. Tier 2, Volumes 4 through 9, Sections 3.2.5 to 3.3.5 and influence of engagement and IQ sections within each assessment	AANDC noted satisfaction with response to IR. Approach to significance determination is outlined in FEIS Tier 2, Volumes 4 through 9, Sections 3.2.5 to 3.3.5 and influence of engagement and IQ sections within each assessment. AREVA presented criteria used in determination of significance in community meetings in 2010 and presented significance conclusions after submission of the DEIS, details presented in Volume 3.
IR	AANDC	16		Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 9 Part 1 - Socio-Economic Environment; Appendix 2T - EMS; Appendix 3C - Community Involvement	Volume 9 Section 6.5; Tier 3 Technical Appendix 3C Section 6.1.3; Tier 3 technical Appendix 2T	AANDC noted satisfaction with response to IR. Tier 3 technical Appendix 2T provides an environmental management and monitoring framework that can also be adapted and applied to socio-economic monitoring.

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IR	AANDC	17		Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Volume 9 Part 2 Sections: 11.1.2, 11.1.3, 11.1.4, 11.1.5, 11.1.6, 11.1.7, 11.2, 13.1.2, 13.1.3, 13.1.4, 13.1.6, 13.2, Technical Appendix 9A Sections: 3.2.1, 3.2.2, 4.2.3	AANDC noted satisfaction with original IR response provided. Related material and content provided in IR response is provided in FEIS Sections noted.
IR	AANDC	18		Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Appendix 5J Sections 6.3, 6.3.2, and Attachment C	AANDC noted satisfaction with original IR response provided. Table 4.2-21 provides employment by sector by community. Table AANDC 18-2 (New) provided in the IR response, while interesting, does not change the assessment. It has been included in Section 5.3.1 of Volume 9 Part 1 - Socio-Economic Environment for informational purposes.
IR	AANDC	19		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 4.2; 4.3	AANDC noted satisfaction with original IR response provided. Please refer to the FEIS Sections noted. Table 4.2-1 provides a breakdown of VSEC interactions with the Project. Table 4.3-3 provides a breakdown of VSEC-VSEC interactions.
IR	AANDC	20		Tier 1	Technical Appendix 1D-III	n/a	Geotechnical setbacks from open pits to mine infrastructure will be provided as part of the detailed designs.
IR	AANDC	21		Tier 3	Technical Appendix 2V - Mine Geotechnical Reports	entire volume	The mine geotechnical reports have been provided as Appendix 2V.
IR	AANDC	22		Tier 2; Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Appendix 2F Appendix C	Seismic classifications are used in the detailed designs of buildings and civil works. A sample seismic classification from the National building code is provided in Technical Appendix 2F Appendix C.
IR	AANDC	23		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Volume 5 - Aquatic Environment	Volume 2 - Section 10.3.6, Volume 5, Section 10.2.2	Fill requirements will be minimal for the proposed dock installation noted in Volume 2 Section 10.3.6, Volume 5 Section 10.2.2.
IR	AANDC	24		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 12..3.2, 12.7;	All-season road construction is addressed in Volume 2 Section 12.3.2. Quarry locations are identified in Volume 2 Section 12.7.
IR	AANDC	25		Tier 3	Technical Appendix 6A - Surficial Geology and Terrain Baseline	Appendix 6A Section 1.1;4.2.4, Attachment I; Attachment A; Attachment L	Geotechnical Borehole Logs are provided in Appendix 6A, Attachment A. The Borehole Numbering System and Lists of Symbols and Abbreviations have been provided in Appendix 6A, Attachment I. A stratigraphic profile along the Baker Lake to Kiggavik Access road will be prepared as part of the detailed design phase for the access road. Overburden thickness, top of bedrock elevation, and thaw depth contour maps, as well as detailed plans for removing the overburden from the main Kiggavik geographical areas, will be included as part of the site investigation for the detailed design phase of the project. Appendix 6A, Table 2.2-1 lists the geotechnical tests performed for overburden samples from all locations. The table indicates that no shear strength tests were performed for overburden materials. These tests will be performed at the detailed design phase of the project. Summary of field strength test results including point-load test results of rock samples are presented in Attachment L for the End Grid, Andrew Lake, and Kiggavik sites.
IR	AANDC	26		Tier 3	Technical Appendix 2V - Mine Geotechnical Reports	Entire volume.	A discussion of the mine design and geotechnical approach used is provided in Volume 2V.
IR	AANDC	27		Tier 3	Technical Appendix 1D-III; Technical Appendix 5F - Mine Rock Characterization and Management	Tier 3, Appendix 5F Section 11	Further explanation was provided during the IR stage. Additional information is presented in Vol 5F Section 11 on the program for further mine rock characterization through all phases of mine development.
IR	AANDC	28		Tier 2	Volume 2 - Project Description and Assessment Basis; Technical Appendix 5F - Mine Rock Characterization and Management	Volume 2 Section 5.3, 6.5, 6.6.1.2, Appendix 5F Section 9.3	The mining schedule is outlined in Section 5.3. Table 5.3-1 has been updated. Table 5.3-1 has been updated from the IR response to KIA-30 to correct incorrect mining tonnages presented for End Grid in the last two years of mining, to add missing information, and to adjust the final year milling tonnage to have processed all ore at the end of mining. These changes are within the assessment basis and do not change the significant determination of the Project. The estimated quantities of the given rock types are outlined in Volume 2, Project Description and Assessment Basis, Table 6.5-1. The handling, storage and locations of the various rock types are detailed in Volume 2, Section 6.6. Expected pore water quality from Type 3 mine rock stockpiles is presented in Appendix 5F Section 9.3
IR	AANDC	29		Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Tier 3, Appendix 5F, Section 6.2	Mine rock segregation is discussed in Vol 5F section 6.2.
IR	AANDC	30		Tier 3	Technical Appendix 1D-III; Technical Appendix 5F - Mine Rock Characterization and Management	Tier 3, Appendix 5F Section 11	A discussion was provided in the IR responses. Additional information regarding the continued characterization of mine rock for a phase of mine development is included in Vol 5 F section 11.
IR	AANDC	31		Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J, Section 6.3	The SGS Lakefield Testing is described in Appendix 5J, Section 6.3.
IR	AANDC	32		Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Technical Appendix 5J - Tailings Characterization and Management	Appendix 2D Section 1.1, Appendix 5J Section 6	As discussed in the IR stage, ARD/ML for the ore was not completed because the ore is assumed to be metal leaching and will be managed on lined pads (Appendix 2D Section 1.1). The mill will geochemically transform the ore into tailings which has been characterized in the EIS (Appendix 5J Section 6).

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IR	AANDC	33		Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Tier 3, Appendix 5F, section 11.2.3.	Tier 3, Appendix 5F, section 11.2.3 provides a description of future testing to characterize the rocks at the proposed purpose built pit location.
IR	AANDC	34		Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management; Technical Appendix 5J - Tailings Characterization and Management	Appendix 5F, Section 2	The response to PHC - 13 Addresses the robustness of the Tailings Management Facility design. The waste rock management plan as described in Volume 5F does not rely on frozen ground conditions for the containment of potentially problematic waste rock; this rock is disposed of in mined out pits, limiting their interaction with the receiving environment.
IR	AANDC	35		Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Tier 3, Appendix 5F Section 8.2.1`	Surface stockpiles will not contain potentially acid generating (PAG) mine rock. Appendix 5F section 8.2.1 describes the placement of Type 3 rock (PAG) in the mined out pits.
IR	AANDC	37		Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Appendix 2E - Water Diversion	Appendix 2E Section 7.3; Appendix 2D Section 5.1	General considerations for construction of diversion channels are provided in Appendix 2E Section 7.3 The construction of containment pads and ponds in permafrost conditions will require special considerations as discussed in Appendix 2D, Section 5.1
IR	AANDC	38		Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure; Technical Appendix 5D - Groundwater Flow Model	Appendix 2F Section 6; Appendix 5D Section 5.2	Appendix 2F Section 6 describes the geotechnical studies that will be undertaken for the detailed design of the Andrew lake Dewatering Structure which includes the shallow hydraulic conductivity and analysis of potential seepage. Appendix 5D Section 5.2 describes the hydrogeology follow-up program which includes additional hydraulic conductivity testing of near surface ground that seasonally thaws as well as rock below the permafrost.
IR	AANDC	39		Tier 3	Appendix 2I - Water Management Plan	Appendix 2I Sections 4.2, 5.1	Water balance figures revised to incorporate updated water balance. Kiggavik figures incorporated into Appendix 2I Section 4.2. Sissons figures incorporated into Appendix 2I Section 5.1
IR	AANDC	40		Tier 3	Appendix 2I - Water Management Plan	Section 5.7 Noise Exposure Added to Vol 8, Section 3.13 in Tier 3 Appendix 2P OHS Plan references the Vol 8 Human Health Noise Exposure section.	Water management plan has been revised to incorporate all phases of the project and includes baseline water balance diagrams. Baseline water balance is described in Section 3.1, and diagrams are presented in Appendix 2I Section 3.1, Figure 3.1-2 and 3.1-3
IR	AANDC	41		Tier 3	Volume 8 - Human Health; Appendix 8A - EHHRA	Attachment A, Section A.1.1	Additional information on the use of LAKEVIEW model at other sites included in Tier 3, Technical Appendix 8A, Attachment A, Section A.1.1 and Table 1.1-1.
IR	AANDC	42		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.3.3, 9.6.2.3	The derivation of effluent quality is addressed in Volume 2 Section 9.5.3.3 and 9.6.3.3 for the Kiggavik and Sissons WTP respectively.
IR	AANDC	43		Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 5 - Aquatic Environment	Volume 2 Section 12.9.7.4, Volume 5 Section 8.1.1	Reference to discharge to Pointer Lake removed from Volume 2 Section 12.9.7.4 Discussion of screening calculation for sewage discharge added to Tier 2 Volume 5 Section 8.1.1
IR	AANDC	44		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2S - Waste Management Plan	Volume 2 Section 14.2.5; Appendix 2S Section 2.1.4	Sewage management is addressed in Volume 2 Section 14.2.5 and Appendix 2S Section 2.1.4
IR	AANDC	45		Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 2.2.1	Details of the incinerator are provided in Appendix 2S Section 2.2.1
IR	AANDC	46		Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 1.1,1.4, 1.5.2, 2.1, 2.3.1	Relationship of the Waste Management Plan to other management plans is discussed in Appendix 2S Section 1.4. Alignment of the waste management strategy with existing operations is addressed in Appendix 2S Section 2.1. Landfill inspections are addressed in Appendix 2S Section 2.3.1. Examples of mitigation strategies are presented in Appendix 2S Section 1.5.2. The landfill management plan and timing of additional details are presented in Appendix 2S Section 1.1.
IR	AANDC	47		Tier 3	Technical Appendix 2S - Waste Management Plan; Appendix 10B - Spill Contingency	Appendix 10B- Section 6.2; Appendix 2S Section 1.1	Technical Appendix 2S Section 1.1 directs readers to Technical Appendix 10B for details of landfarm management. Landfarm runoff management is addressed in Appendix 10B Section 6.2.
IR	AANDC	48		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2S - Waste Management Plan	Volume 2 Section 14.2.1, Appendix 2S section 2.1.6, 2.1.7 Hazardous Substances and Waste Dangerous Goods	Use of the incinerator and disposal of incinerator ash is addressed in Volume 2 Section 14.2.1 and Appendix 2S Section 2.1.6 and 2.1.7.
IR	AANDC	49		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2U - Hazardous Material	Volume 2 Section 10.2; Technical Appendix 2U Section 3.1 3.1.2, 3.2	Diesel quantities are outlined in Volume 2, Section 10.2. Other fuel requirements are expected to be limited as outlined in Appendix 2U Section 3.1 and 3.1.2. Other fuels that may be used for the Project in limited quantity are listed in Appendix 2U, Section 3.2.
IR	AANDC	50		Tier 3	Appendix 2P - OHS; Appendix 2U - Hazardous Material	Appendix 2P Section 3.8.4, 3.8.5; Appendix 2U Sections 1.2; 9.1; 2.1, 2.3.2; 2.3.5, 3.1.2	Environmental management standards for hazardous materials are addressed in Appendix 2U Section 1.2. WHMIS is addressed in Appendix 2P Section 3.8.4, 3.8.5 and Appendix 2U Section 9.1. The transportation of dangerous goods is addressed in Appendix 2U Section 2.1 and 2.3.2. Facility design considerations are addressed in Appendix 2U Section 2.3.5. Secondary containment requirements for the fuel storage facilities are addressed in Appendix 2U Section 3.1.2.
IR	AANDC	51		Tier 3	Technical Appendix 1D-III; Appendix 2P - OHS; Technical Appendix 2U - Hazardous Materials Management Plan	Appendix 2P Section 3.8.4, 3.8.5; Appendix 2U Section 1.2, 9.1	Working level information available at the time of licensing is addressed in Appendix 2U Section 1.2 WHMIS is addressed in Appendix 2P Section 3.8.4, 3.8.5 and Appendix 2U Section 9.1 Environmental management standards for hazardous materials are addressed in Appendix 2U Section 1.2
IR	AANDC	52		Tier 3	Appendix 2U - Hazardous Material	Appendix 2U Section 1.3, Appendix 10C Section 2.	Roles and responsibilities are outlined in Appendix 2U Section 1.3. Additional roles are provided in Appendix 10C, Section 2.

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IR	AANDC	53		Tier 3	Appendix 2J - Marine Transport; Appendix 10B - Spill Contingency	App 10B- Sections 4.3.1.2, 5.2.1, and Attachment A. Appendix 2J- Section 5.3 and 5.5.	Further information regarding pollution prevention at the proposed Oil Handling Facility (OHF), at Baker Lake and the associated Oil Pollution Emergency Plan (OPEP), have been included in Technical Appendices 2J and 10B.
IR	AANDC	54		Tier 3	Appendix 10B - Spill Contingency	Table 5.2.13-1	Table and discussion developed to specifically address spill response for hazardous materials used on site as mill processing reagents.
IR	AANDC	55		Tier 3	Appendix 10B - Spill Contingency	Section 2.1 Spill Prevention and Section 2.4 Spill Response Time added to 10B	An estimation of response times has been included in the Spill Contingency plan.
IR	AANDC	56		Tier 3	Appendix 2T - EMS	Tier 3 Technical Appendix 2T, Section 4.4	General information on the ECoP is provided in Technical Appendix 2T, Section 4.4. There is currently an ECoP in place for the current approved exploration activities. This is available on the NIRB FTP site and has not been included in the FEIS submission. The ECoP is a living document and will be updated at the time of licensing to reflect construction and operation activities.
IR	AANDC	57		Tier 3	Appendix 2C - Explosives	Appendix 2C Section 1; 4.3	The future development of a detailed explosive management plan is addressed in Appendix 2C Section 1. Spill response is addressed in Appendix 2C Section 4.3
IR	AANDC	58		Tier 3	Appendix 10B - Spill Contingency	Section 5.2.15 Spill of Incinerator Ash Added to Appendix 10 B Spill Contingency Plan	A subsection has been added to specifically address spills of incinerator ash.
IR	AANDC	59		Tier 3	Appendix 2R - Decommissioning	Section 4.4.1, Attachment A	Discussion regarding the decommissioning and flooding of the Andrew Lake pit has been included in Appendix 2R, Section 4.4.1 and Attachment A.
IR	AANDC	60		Tier 3	Appendix 2R - Decommissioning	(Part A: Section 2.9) (Part B: Section 2.5) (Part C: Sections 1.1, 4.2, 4.5) (Part F: Section1.4)	The preliminary decommissioning plan has been updated to include additional discussion of reclamation objectives and research programs to be conducted during the operating period to support decommissioning.
IR	AANDC	61		Tier 3	Appendix 2R - Decommissioning	2.1.2, 2.2, 2.6, 3.0	The preliminary decommissioning plan has been updated to include relevant discussion of potential environmental issues and corresponding mitigation at decommissioning.
IR	AANDC	62		Tier 3	Appendix 2R - Decommissioning	4.6, 4.7	Discussion of temporary and permanent closure scenarios have been added to the Preliminary Decommissioning Plan.
IR	AANDC	63		Tier 3	Appendix 2R - Decommissioning	6.2.2 and Attachment C	Radiological clearance criteria for decommissioning has been integrated in the Preliminary Decommissioning Plan.
IR	AANDC	64		Tier 3	Appendix 2R - Decommissioning	2.7 and 3.5	Information on reclamation planning has been provided in Section 2.7. Further details on proposed reclamation of disturbed areas is provided in Section 3.5.
IR	AANDC	65		Tier 3	Appendix 2R - Decommissioning	2.7 and 2.8	Information on the reclamation plan and mine rock mass balance is provided in Sections 2.7 and 2.8 respectively.
IR	AANDC	66		Tier 3	Appendix 2R - Decommissioning	6.2	Post-decommissioning monitoring is discussed in Section 6.2 of the Preliminary Decommissioning Plan and includes post-closure monitoring, radiological clearance procedures, and a follow-up program.
IR	AANDC	67		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections: 6.3.9, 8.1.8, 8.1.9, 8.2	AANDC noted satisfaction with original IR response provided. Please refer to the FEIS Sections noted. Section 6.3.9 addresses the possibility of temporary closure, and the nature of effects. Section 8.1.8 further discusses the effects, and Section 8.1.9 provides a residual effect analysis of temporary closure. Section 8.2 notes the cumulative effects of a temporary closure.
IR	AANDC	68		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 2 Section 7.8	Please refer to the Sections noted in the conformity table for further discussion of closure scenarios and effects.
IR	AANDC	69		Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning	7.2	Future financial assurance considerations are detailed in Section 7.2 of Appendix 2R.
IR	BLHTO	1	a to f	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis	(a) Volume 2 Section 10.4.2, 20.1 (b) Volume 2 Section 10.4.2, 20.1 (c & f) Volume 2 Section 10.4.3, 20.1, Appendix 2A - AREVA Addendum Section 2.15; Appendix 2K - All; Appendix 2L - All; Appendix 2M Section 3.1.2; Volume 3 Part 1 - Engagement section 3.4.10, 4.4.2. Tier 3 Volume 3 Part 1 Appendix 3A Part 3. (d) Volume 2 Section 10.4.2, 20.1 (e) Volume 2 Section 10.4.2, 20.1	(a, b, d, f) Road options are addressed in Volume 2 Sections 10.4.2 and 20.1 (c, f) Data collected from IQ and Stakeholder engagement sessions has influenced the current road option selection, and road alignment. This is outlined in Appendix 2K and 2L. Volume 3 Part 1 Section 3.4.10 and 4.4.2 provide details of engagement workshops on road options. The report from the transportation workshops is presented in Appendix 3A Part 3. Influencing criteria for the decision to construct an all-season road is outlined in Appendix 2M Section 3.1.2 The north winter road option is no longer being considered, and the (south) winter road remains as the preferred option. This is outlined in Appendix 2A AREVA Addendum Section 2.8 which includes an updated comparison table of the different road options. Road options are also discussed in Volume 2 Sections 10.4.2 and 20.1
IR	BLHTO	2	a & b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 12.7	(a) The number of potential quarries and their locations is addressed in Volume 2 Section 12.7 (b) Potential quarry locations for both the winter road and all-season road options are illustrated in DEIS Tier 2, Volume 2, Project Description and Assessment Basis, Section 12, Figure 12.7-1.
IR	BLHTO	3		Not Integrated into FEIS	Not Integrated into FEIS	n/a	Request directed to NTI and KIA

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IR	BLHTO	4	a to d	Tier 3	Technical Appendix 9A - Socio-Economic Baseline	(a) Technical Appendix 9A Sections: 4.1.3; 4.1.5.2; Attachment A (d) Volume 9 Attachment A	(a) IR response provided that the method of data presentation was selected based on the need to protect confidentiality, a fundamental principle of this research and a condition of the research license granted. (b) IR response provided that AREVA is not able to provide transcripts or minutes on confidentiality grounds. (c) IR response provided that AREVA could not provide more information to help situate the people making comments and clarified that no AREVA employees participated in focus groups. (d) Response provided as IR response available as Attachment A of Volume 9 Part 2.
IR	BLHTO	5		Tier 2	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 2 Section 3.6	Noted discrepancies in information, either from IQ or science, in relevant background and discussion sections throughout Tier 2, Volume 6. Incorporated a discussion cross-referencing the Socio-Economic Environment Assessment that evaluates the potential Project effects on harvester access. AREVA's supposition is that maintaining the long-term viability of caribou populations will provide opportunities for future generations of local harvests to hunt caribou (Tier 2, Volume 6, Section 13.2.3.6 — Determination of Significance for Change in Movement).
IR	BLHTO	6	a	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 3.2 and Section 3.6.2	Included discussion on scale of maps in Volume 3 Part 2 Section 3.6.2. The study area chosen is discussed in Section 3.2
IR	BLHTO	6	b	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Sections 3.2 and 3.6.2	Included discussion on scale of maps in Volume 3 Part 2 Section 3.6.2. The study area chosen is discussed in Section 3.2
IR	BLHTO	6	c	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Sections 3.2 and 3.6.2	Included discussion on scale of maps in Volume 3 Part 2 Section 3.6.2. The study area chosen is discussed in Section 3.2
IR	BLHTO	7	a	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 4.2.5	BLHTO confirmed in 2014 that the areas identified as having spiritual significance coincide with areas that are often foggy and should be avoided.
IR	BLHTO	7	b	Not Integrated into FEIS	Volume 3 Part 2 - IQ; Not Integrated into FEIS	No longer applicable	This area was deleted as per IR response therefore, no longer applicable
IR	BLHTO	7	c	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 4.2.5 and Figure 4.2-5	Figure 4.2-5 has been created with proper legend description.
IR	BLHTO	7	d	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 3.6.2	New IQ figures have been generated using multiple IQ sources. Discussion on IQ use in Figures can be found in Tier 2 Volume 3 Part 2 Section 3.6.2
IR	BLHTO	7	e	Tier 2	Volume 9 Part 2 - Heritage Resources	Volume 9, Heritage Resources, section 5.1	Tier 2 Volume 9 Part 2 section 5.1 provides a description of the archaeological sites known within the LAA and the Kiggavik site local study area.
IR	BLHTO	8	a	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 4.2.5 and Figure 4.2-5	Human Travel routes are presented in Figure 4.2-5 of Volume 3 Part 2
IR	BLHTO	8	b	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 4.2.5 and Figure 4.2-5	Human Travel routes are presented in Figure 4.2-5 of Volume 3 Part 2
IR	BLHTO	8	c	Tier 1; Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Figure 4.2-5. Volume 1 Technical Appendix 1 F	Technical Appendix 1F has been added to the FEIS to describe Inuit use of the land.
IR	BLHTO	9		Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 All Sections	Revised Figures provided
IR	BLHTO	10	a	Tier 3	Appendix 3B - IQ Docs	Tier 3 Volume 3 Appendix 3 B Attachment J Figures	Revised single themed maps were discussed with the BLHTO in 2014 and can be found in Tier 3 Volume 3 Part 2 Appendix 3 B Attachment J
IR	BLHTO	10	b	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volumes 3 Part 2 Figures	Inuktitut is provided on the Figures
IR	BLHTO	10	c	Not Integrated into FEIS	Volume 3 Part 2 - IQ	No action required for FEIS integration.	No integration action required.
IR	BLHTO	10	d	Tier 3	Volume 3 Part 2 - IQ	Tier 3 Volume 3 Part 2 Appendix B Attachment I Figures	Single themed maps were discussed with the Chesterfield Inlet HTO in 2014. The figures can be found in Tier 3 Volume 3 Part 2 B Attachment I.
IR	BLHTO	11	a	Tier 2; Tier 3	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 11.7.1, App 6C Section 3.1	Enhanced the description of the RAA in Tier 2, Volume 6, Section 11.7.1 to describe the RAA for caribou as encompassing the seasonal ranges of caribou that interact with the Project. In some cases this includes Pitz, Shultz Lake and Princess Mary Lake, in other cases it does not. The RSA used in Tier 3 Wildlife Baseline remains unchanged.
IR	BLHTO	12	a	Tier 2	Volume 6 - Terrestrial Environment	Section 13.2.3.6	Incorporated a discussion cross-referencing the Socio-Economic Environment Assessment that evaluates the potential Project effects on harvester access. AREVA's supposition is that maintaining the long-term viability of caribou populations will provide opportunities for future generations of local harvests to hunt caribou (Tier 2, Volume 6, Section 13.2.3.6 -- Determination of Significance for Change in Movement).
IR	BLHTO	12	b	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 11.2, 13.1.3, 13.8	IQ made available to the assessment authors did not inform effect significance criteria for a change in movement of caribou, but did inform the terrestrial wildlife assessment.
IR	BLHTO	12	c	Tier 2	Volume 6 - Terrestrial Environment	Section 13.2.3.6	Incorporated a discussion cross-referencing the Socio-Economic Environment Assessment that evaluates the potential Project effects on harvester access. AREVA's supposition is that maintaining the long-term viability of caribou populations will provide opportunities for future generations of local harvests to hunt caribou (Tier 2, Volume 6, Section 13.2.3.6 -- Determination of Significance for Change in Movement). Possible localized effects on harvest were not assessed in Tier 2, Volume 6.

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IR	BLHTO	12	d	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.1.3, 13.2.3.6	Incorporated a discussion cross-referencing the Socio-Economic Environment Assessment that evaluates the potential Project effects on harvester access. AREVA's supposition is that maintaining the long-term viability of caribou populations will provide opportunities for future generations of local harvests to hunt caribou (Tier 2, Volume 6, Section 13.2.3.6 -- Determination of Significance for Change in Movement). Possible localized effects on harvest were not assessed in Tier 2, Volume 6.
IR	BLHTO	13		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.1.3	a) Clarified how significance of effects were determined in the absence of defined thresholds in Tier 2, Volume 6, Section 13.1.1 (Standards or Thresholds for Determining Significance). The term "professional judgment" is no longer used. b) Identified authors of environmental assessment with a cross-reference to FEIS Tier 2, Volume 6, Terrestrial Environment, page I (authorship page).
IR	BLHTO	14		Tier 2; Tier 3	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3.5	Incorporated a caribou energetics model into the caribou effects assessment (Tier 2, Volume 6), and as a standalone appendix to Volume 6. The energetics model characterizes the energetic cost to caribou as a result of possible changes to activity budgets due to disturbances.
IR	BLHTO	15	a,b,c,d	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 11.2, 13.3.1	a) Provided basis of thresholds from other projects in the north, demonstrating conservative thresholds. This information summary is summarized best in Tier 2, Volume 6, Section 13.3.1 - Comparative Projects Effects Assessment Overview; b) Incorporated relevant IQ throughout assessment, but available IQ did not help to inform the assessors about effects significance; c) Authors of the assessment and their professional qualifications are listed in FEIS Tier 2, Volume 6, Terrestrial Environment, page i. d) Incorporated consideration of effects on caribou harvesting in Tier 2, Volume 9, Part 1 – Socio-Economic Environment.
IR	BLHTO	15	e	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 11.2, 13.1.3	IQ made available to the assessment authors did not inform effect significance criteria for a change in caribou habitat availability, but did inform the terrestrial wildlife assessment. The consideration of socially, economically or culturally significant caribou habitat is discussed in Tier 2, Volume 9.
IR	BLHTO	16		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 5.1, 5.2, 9.3, 13.2.2.3	a) Integrated feedback provided through IQ interviews in Tier 2, Volume 6, Section 13.2.2.3 - Effect Mechanisms and Linkages for Change in Habitat Availability. IQ input is identified by citation to interview. b) Integrated IQ used in effects assessment by citation in Tier 2, Volume 6, all sections. c) Conflicts between IQ and literature, and conflicts within IQ interviews and within the literature is noted in discussions in several sections of Tier 2, Volume 6.
IR	BLHTO	17	a	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 13.2.2.1, 13.2.2.3	Enhanced description of indirect habitat loss and added a summary table on reducing habitat quality within the Zone of Influence in Tier 2, Volume 6, Section 13.2.2.1 - Analytical Methods for Change in Habitat Availability. The estimates of the ZOI are provided in Section 13.2.2.3 - Effect Mechanisms and Linkages for Change in Habitat Availability.
IR	BLHTO	17	b	Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 6 - Terrestrial Environment	Volume 2 Section 10.6.1.2, Table 10.6-1	Provided an estimated number of flights in Volume 2, Section 10.6.1.2, Table 10.6-1
IR	BLHTO	17	c	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Sections 10.6.1.2, 10.6.2	Flight trajectories are addressed in Volume 2 Sections 10.6.1.2 and 10.6.2
IR	BLHTO	17	d	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6.2	Aircraft altitude is addressed in Volume 2 Section 10.6.2
IR	BLHTO	17	e	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 13.2.2.1, 13.2.2.5	Included quarries as part of the direct habitat loss due to footprint estimates. This is noted in Tier 2, Volume 6, Section 13.2.2.1 - Analytical Methods for Change in Habitat Availability.
IR	BLHTO	18	a	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6.2	Additional flights to the Baker Lake airport are addressed in Volume 2 Section 10.6.2
IR	BLHTO	18	b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6.2	Additional flights to the Baker Lake airport are addressed in Volume 2 Section 10.6.2
IR	BLHTO	18	c	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6.2	Aircraft altitude is addressed in Volume 2 Section 10.6.2. Influence of community ZOI incorporated into Caribou energetics and population modelling as outlined in Tier 2 Volume 6, Section 13.
IR	BLHTO	18	d	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.2.3	Integrated concern of aircraft flights in scoping, and provided reasoning for not explicitly assessing increased air traffic to the Baker Lake Airport in Tier 2, Volume 6, Section 13.2.2.3 - Effect Mechanisms and Linkages for Change in Habitat Availability.
IR	BLHTO	19		Tier 3	Appendix 2M - Road Management	Appendix 2M Section 5.1, Attachment A	Information on road dust management, including dust suppression is presented in Appendix 2M Section 5.1. and Attachment A.
IR	BLHTO	20	a,b,c,d	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 11.2, 13.1.3	a) Further characterized 10% deflection threshold used for migratory movement in Tier 2, Volume 6, Section 13.1.3 - Standards or Thresholds for Determining Significance. b) IQ made available to the authors did not inform significance thresholds on movement, but did inform the terrestrial wildlife assessment. c) Authors of the assessment and their professional qualifications are listed in FEIS Tier 2, Volume 6, Terrestrial Environment, page i. d) Effects on Inuit harvesting was not assessed in Tier 2, Volume 6 (Terrestrial Environment). Clarified the difference between assessing the effects on the viability of the caribou populations in Tier 2, Volume 6 (Terrestrial Environment), versus the effects on those who harvest caribou in Tier 2, Volume 9 (Socioeconomics and Community). This clarification is provided in Tier 2, Volume 6, Section 13.1.1 (Standards or Thresholds for Determining Significance).

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IR	BLHTO	20	e	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.1.3 (Standards or Thresholds for Determining Significance)	e) Areas deemed socially, economically or culturally significant were not considered in the terrestrial effects assessment. An assessment of the possibility of caribou failing to migrate is provided in Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Movement. A discussion about the thresholds used for change in movement is in Section 13.1.3 -- Standards or Thresholds for Determining Significance.
IR	BLHTO	21	a,b	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 11.2, 13.2.3; App 6C, Section 5.7.1.4	Included other sources of information, primarily IQ relating to baseline conditions (Tier 3, Appendix 6C Wildlife Baseline, Section 5.7.1.4 – Distribution and Movement). All available information, including IQ, was more explicitly integrated into the assessment on movement in Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Movement. Acknowledged use of IQ information in Baseline and Assessment documents. IQ information on migration routes was most useful in the Baseline (Tier 3, Appendix 6C).
IR	BLHTO	21	c	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 11.2, 13.2.3; App 6C, Section 5.7.1.4	c) Included other sources of information, primarily IQ relating to baseline conditions (Tier 3, Appendix 6C Wildlife Baseline, Section 5.7.1.4 – Distribution and Movement). All available information, including IQ, was more explicitly integrated into the assessment on movement in Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Movement.
IR	BLHTO	22	a,b	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3.1	a) Recognized crossings were those identified on the DIAND caribou protection map. Unrecognized ones were those identified by any other means (e.g., local knowledge, IQ). b) Provided clarification that all identified water crossings were given the same weight in the effects assessment (Tier 2, Volume 6, Section 13.2.3.1 – Analytical Methods for Change in Movement.
IR	BLHTO	23		Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 11.2, 13.2.3 ; App 6C, Section 5.7.1.4	a, b, c): Other sources of information, primarily IQ relating to baseline conditions, was more explicitly integrated into the assessment on movement. Lessons learned from Meadowbank also incorporated into assessment. IQ information clearly identified throughout both the wildlife baseline and effects assessment.
IR	BLHTO	24	a, b	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3.1	a, b): Clarification provided. human disturbance is accounted for in the Zone of Influence. The Zone of Influence is the area where the encounter and residency analyses was summarized and integrated into the effects assessment of movement (Tier 2, Volume 6, Section 13.2.3.1 - Analytical Methods for Change in Movement).
IR	BLHTO	25	a	Tier 1; Tier 2	Volume 6 - Terrestrial Environment; Appendix 1E Cumulative and Transboundary	Volume 6, Section 13.3	a) Revised the cumulative effects section (Tier 2, Volume 6, Section 13.3). In addition to a more explicit habitat loss assessment, the cumulative effects also considers exploration projects in an assessment of caribou energetics.
IR	BLHTO	25	b	Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E	Updated Project Inclusion List and Supporting Text
IR	BLHTO	26		Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E	Updated Project Inclusion List and Supporting Text
IR	BLHTO	27		Tier 2	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment; Volume 9 Part 1 - Socio-Economic Environment	Volume 6, Sections 11.4 and 13.3.2.6; Volume 9 Section 9.1.2	IR response and related information can be found in mentioned sections of the FEIS. Regardless of current harvest intensity, the potential effect of an all-season road acting in combination with hunter access and consequently, caribou mortality is expected to be undetectable at the scale of the Qamanirjuaq caribou herd's current population. Establishing allowable harvest limits is ultimately the responsibility of government as outlined in the Nunavut Wildlife Act, summarized in (Tier 2, Volume 6, Section 11.4 – Regulatory Setting).
IR	BLHTO	28		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 14.1.1 including the addition of Table 14.1-2	Alternative mitigation measures are provided in the WMMP Addition of discussion specific to Baker Lake and Chesterfield Inlet has been added.
IR	BLHTO	29	a	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 throughout Sections 8 to 13.	FEIS discussions on each valued socio-economic component (VSEC) includes discussion where potential impacts may have a disproportionate effect on a specific population subgroup.
IR	BLHTO	30		Tier 2	Volume 3 Part 2 - IQ; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 9.2	Potential project effects that may act in combination with other projects to change animal abundance or distribution is evaluated, particularity in volumes 5-Aquatic Environment, 6-Terrestrial Environment, and 7-Marine Environment. These conclusions are carried forward into the socio-economic assessment and into Section 9.2 which discusses cumulative effects to harvesting, including access to harvested resources in Kivalliq.
IR	BLHTO	31		Tier 2	Volume 6 - Terrestrial Environment; Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 9.1.2	The purpose of the Terrestrial environmental assessment is to determine the significance of environmental effects on wildlife. The predicted residual effects from the Terrestrial environmental assessment (whether they were deemed to be significant or not from an environmental perspective) were then interpreted in the socio-economic assessment for determining significance to socio-economic concerns, such as Inuit access to caribou
IR	BLHTO	32		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 9.1.2 Box 9.1-1	As communicated in the IR response for the EIS revision, Box 9.1.1 now includes the concern over the impacts of Meadowbank on caribou distribution.
IR	BLHTO	33		Tier 2	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 9.2.1 and Technical Appendix 1F Social and Ecological Context	Volume 9 states that because the terrestrial assessment concludes that the changes in distribution are not significant, this is not a determining factor in the socio-economic assessment of project effects on harvesting. The FEIS also acknowledges that Inuit have indicated that the entire regional assessment area for the study of terrestrial wildlife is important to harvesting. Appendix 1F to Volume 1 presents AREVA's understanding of the relative importance of land use.
IR	BLHTO	34		Tier 3	Technical Appendix 9A - Socio-Economic Baseline	Technical Appendix 9A: 4.2.3.5, 4.2.7.3	Clarified the difference between assessing the effects on the viability of the caribou populations in Tier 2, Volume 6 (Terrestrial Environment), versus the effects on those who harvest caribou in Tier 2, Volume 9 (Socioeconomics and Community). This clarification is provided in Tier 2, Volume 6, Section 13.1.1 (Standards or Thresholds for Determining Significance). Further, it is acknowledged that there is potential for bias, in the collection, analysis, interpretation and reporting of data. Known biases are specifically identified in the information presented.

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IR	BQCMB	1	.1	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 11.2, Appendix 6C, Section 4.2	Included all available information on caribou distribution and abundance in the RSA in the wildlife baseline (Tier 3, Appendix 6C). That included local knowledge and IQ made available to the authors of the baseline report. This was brought forward into Volume 6
IR	BQCMB	1	.2	Tier 2	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Volume 6 Section 11.2	Summarized frequency of comments related to caribou measurable parameters in text preceding Table 11.2-1 (Public Engagement Comments that influenced the environmental effects assessment for caribou) in Tier 2, Volume 6, Section 11.2 (Influence of Inuit and Stakeholder Engagement on the Terrestrial Wildlife Assessment).
IR	BQCMB	1	.3	Tier 2	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Tier 2 Volume 3 Part 2 Attachment A (IQ Roadmap), Appendix 6D Section 1.6.2	Revised the Wildlife Mitigation and Monitoring Plan (WMMP) framework (Appendix 6D). Incorporation of IQ principles may require participation of IQ knowledge holders in further development of the WMMP. The need to incorporate IQ in the WMMP is summarized in Appendix 6D, Section 1.6.2 - Incorporation of Inuit Qaujimajatuqangit. The WMMP will incorporate Inuit Qaujimajatuqangit (IQ) into the proposed mitigations and monitoring initiatives when that information is made available specifically for a follow-up monitoring program.
IR	BQCMB	2	.1	Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 1 section 3.3.2, 3.4.11, 4.5. Technical Appendix 3A Part 8.	AREVA met with BQCMB representatives for a workshop that included a brief summary from the BQCMB to AREVA of harvest community concerns expressed to the BQCMB during their meetings held with project-specific intervener funding. Meeting notes were not made public/available and some communities preferred to have concerns communicated directly to AREVA. AREVA engagement with harvest communities outside Nunavut is provided in Volume 3. Caribou cumulative effects assessment is assessed at the herd range and, at the advice of the BQCMB, AREVA has included the Beverly herd annual range in the assessment. The DEIS assessment included the ranges of the Qamanirjuaq, Lorillard, Wager Bay, and Ahiak herds as they were believed more likely to interact with the project. The extended annual range for the Beverly and Qamanirjuaq herds, based on aerial surveys and traditional knowledge, is used in the FEIS cumulative effects assessment.
IR	BQCMB	2	.2	Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 1 section 3.3.2, 3.4.11, 4.5. Technical Appendix 3A Part 8.	
IR	BQCMB	2	.3	Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 6 - Terrestrial Environment	Tier 2, Volume 6, Section 13.3 Tier 3, Appendix 6D	Revised the cumulative effects assessment and cumulative effects assessment boundary to include information provided by the BQCMB (Tier 2, Volume 6, Section 13.3 – Cumulative Effects Assessment for Caribou and Muskox). Updated mitigation measures and monitoring activities in the Wildlife Mitigation and Monitoring Plan (Tier 3, Appendix 6D).
IR	BQCMB	3		Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 12.1.4, Appendix 6C, Section 5.7.1	3.1) Compiled all available information and IQ on the tundra wintering herds in Appendix 6C, Section 5.7.1 (Caribou). 3.2) Acknowledged uncertainty as a technical limitation in Tier 2, Volume 6, Section 13.1.4. That section describes the herds that were considered in the effects assessment.
IR	BQCMB	4	.1.2.4.5	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3	4.1) Included a discussion on the limitations of telemetry data in Tier 2, Volume 6, Section 13.1.4 - Technical Limitations of the Assessment for Caribou and Muskox. Revised assessment of movement in Section 13.2.3 - Assessment of change in movement 4.2) Incorporated IQ into discussions about caribou movement in the Wildlife Baseline report and accompanying maps (Appendix 6C) and in the effects assessment (Tier 2, Volume 6, Section 13.2.3 – Assessment of change in movement). 4.4) Revised tables where relevant to providing sufficient information for readability in Appendix 6C and Tier 2, Volume 6. 4.5) Repetitive maps removed from Tier 2, Volume 6.
IR	BQCMB	4	.3	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 13.2.3.1 , 13.2.3.5	Revised assessment of change in movement to quantify encounter and residency rates in the Project ZOI (Tier 2, Volume 6, Section 13.2.3.1 (Analytical Methods for Change in Movement), and13.2.3.5 (Residual effects for Change in Movement)
IR	BQCMB	5	.1	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3	Revised Tier 2, Volume 6, Section 13.2.3.2 - Baseline Conditions for Change in Movement, to summarize all available information on movement.
IR	BQCMB	5	.2	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Volume 6, Section 13.2.3 (Assessment of Change in Movement)	Revised Tier 2, Volume 6, Section 13.2.3 - Assessment of Change in Movement, to provide clarification and justification for movement assessment and addition of information from IQ
IR	BQCMB	6		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3, 13.2.3.5	6.1) Expanded the assessment of movement to describe encounter and residency rates with the Project ZOI for all herds in all seasons (Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Movement, and 13.2.3.5 – Residual Effects for Change in Movement. 6.2) Expressed variability in in the frequency ZOI by collared cows in figures shown in Section 13.2.3.5 – Residual Effects for Change in Movement. 6.3) Included consideration of variability in residency and encounter rates in the effects on movement in Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Movement.
IR	BQCMB	7		Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Section 4.0	The draft Air Quality Monitoring and Mitigation Plan (Tier 3, Appendix 4C) outlines the program study design which includes lichen monitoring.
IR	BQCMB	8		Tier 2	Volume 6 - Terrestrial Environment	Section 11.5 Section 13.1.1	Expanded discussion of ratings of Project interactions in Tier 2, Volume 6 Section 11.5 – Project-Environment Interactions and Section 13.1.1 – Project-Caribou/Muskox Interactions and Effects.
IR	BQCMB	9		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13..2.2.1, Attachment A	9.1) Revised Tier 2, Volume 6, Section 13.2.2.1 – Analytical Methods for Change in Habitat Availability, to identify why an RSF-type approach could not be taken with available data. 9.2) Incorporated a caribou energetics model into the caribou effects assessment (Tier 2, Volume 6), and as a standalone appendix to Volume 6. The energetics model characterizes the energetic cost to caribou as a result of possible changes to activity budgets due to disturbances.

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IR	BQCMB	10	.1 and .2	Tier 1; Tier 2	Volume 6 - Terrestrial Environment; Appendix 1E Cumulative and Transboundary	Appendix 1E; Volume 6 Section 13.3	10.1) Revised the cumulative effects assessment boundaries based partly on information provided by the BQCMB (Tier 1, Appendix 1E – Cumulative and Transboundary Effects). Specific methods and specific areas based on herds considered in the cumulative effects assessment are discussed in Tier 2, Volume 6, Section 13.3 – Cumulative Effects Assessment for Caribou and Muskox. 10.2) The Project inclusion list was revised based on that revised boundary that is described in Tier 1, Appendix 1E – Cumulative and Transboundary Effects.
IR	BQCMB	10	.3 and .4	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3.1	10.3) Summarized the cumulative effects approach taken in several project assessments in Tier 2, Volume 6, Section 13.3.1 -- Comparative Projects Effects Assessments Overview. 10.4) Revised the Project inclusion list based partly on information provided by the BQCMB. The Project Inclusion List is detailed in Tier 1, Appendix 1E– Cumulative and Transboundary Effects. Those projects are considered in various components of the cumulative effects assessment.
IR	BQCMB	11		Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Revised the Project inclusion list based partly on information provided by the BQCMB. The Project Inclusion List is detailed in Tier 1, Appendix 1E– Cumulative and Transboundary Effects. Those projects are considered in various components of the cumulative effects assessment.
IR	BQCMB	12	.3	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	.3) Potential for cumulative effects of decreased availability to hunters was considered in the socio-economic effects assessment (Volume 9). Contamination was not considered a cumulative effect. Effects on health and productivity was addressed through an assessment of caribou energetics.
IR	BQCMB	12		Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	.1 to .2) Revised the cumulative effects section (Tier 2, Volume 6, Section 13.3 Cumulative Effects Assessment for Caribou and Muskox) to encompass a multitude of effects by assessing Project and cumulative effects on caribou energetics (Attachment A). .3) Potential for cumulative effects of decreased availability to hunters was considered in the socio-economic effects assessment (Volume 9). Contamination was not considered a cumulative effect. Effects on health and productivity was addressed through an assessment of caribou energetics (Appendix 6X).
IR	BQCMB	13		Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Revised the cumulative effects section (Tier 2, Volume 6, Section 13.3 Cumulative Effects Assessment for Caribou and Muskox) to encompass a multitude of effects by assessing Project and cumulative effects on caribou energetics (Attachment A). Used quantifiable measurable parameters where possible, including those for habitat effects and modelled population projections in the energetics model.
IR	BQCMB	14		Tier 2	Volume 6 - Terrestrial Environment	Section 13.5.2	Revised the discussion about climate change effects on caribou in Tier 2, Volume 6, Section 13.5.3 – Effects of Climate Change on Project and Cumulative Effects on Caribou and Muskox.
IR	BQCMB	15		Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Volume 6, Section 13.3, Appendix 6D, Section 7	15.1) A perspective on cumulative effects is provided through a linked energetics and population model in Volume 6, Section 13.3. The GN holds the data to assess its ability to determine effects. 15.2) Described current plans for monitoring in the WMMP and support for collaborative monitoring efforts (Appendix 6D). 15.3) AREVA does not manage harvest. Project effects on harvested species, particularly caribou, are expected to be not significant.
IR	BQCMB	16	.1	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 13.3.3	Updated the review of harvest statistics from the Baker Lake Hunter harvest study in Appendix 6C – Wildlife Baseline. That harvest study provides the best estimate of caribou harvest in Baker Lake, but does not provide herd-specific harvest information. BQCMB provides some harvest statistic estimates and proportion herd harvest estimates for the Beverly, Qamanirjuaq and “other” caribou herds. There are no other harvest statistics known to exist. These harvest statistics are summarized in Tier 2, Volume 6, Section 13.3.3 – Baseline Conditions for Change in Mortality.
IR	BQCMB	16	.2	Tier 3	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Volume 6, Section 11.4	Updated the discussion on wildlife management responsibilities in Tier 2, Volume 6, Section 11.4 – Regulatory Setting. AREVA does not manage wildlife harvest and cannot outline management options that the wildlife management authorities can take. If monitoring work determines that harvesting pressure is having an adverse effect, AREVA will support any regulations imposed by the managing authorities and/or any Inuit wildlife harvest management initiatives (WMMP, Appendix 6D).
IR	BQCMB	17	.1	Tier 2	Volume 3 Part 1 - Engagement; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 1 Table 5.2-1 Tier 2 Volume 6, section 11.1	Summarized community concerns about the potential Project effects on wildlife and habitat in Tier 2, Volume 6, Section 11.1 – Issues and Concerns Identified during Inuit, Government and Stakeholder Engagement. Text in that section highlights concerns and illustrates how they formed the basis of the remainder of the effects assessment.
IR	BQCMB	17	.2 and .3	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3.2.2	IR requested information on Government of Nunavut monitoring that is summarized but best answered by the Government of Nunavut.
IR	BQCMB	17	.4	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Volume 6, Section 13.3.2.2	A perspective on cumulative effects is provided through a linked energetics and population model in Volume 6, Section 13.3. 1Updated plans for mitigation and monitoring Project and cumulative effects are summarized in the WMMP (Appendix 6D).
IR	BQCMB	18		Tier 2	Volume 6 - Terrestrial Environment	Section 13.3, Attachment A	Prepared a cumulative effects analysis of caribou energetics, including a model of a future scenario that includes a review of mortality and habitat effects (Volume 6, Attachment A).
IR	BQCMB	19	.1.2	Tier 3	Appendix 6D - WMMP	Section 1.6.2	19.1) Updated the WMMP Tier 3, Appendix 6D. The measurable parameters suggested for monitoring include those predictions where confidence in predictions are weak or moderate, and monitoring is suggested to reduce uncertainty about potential Project effects. 19.2) Updated Tier 3, Appendix 6D, Section 1.6.2 - Incorporation of Inuit Qaujimajatuqangit. The WMMP will incorporate Inuit Qaujimajatuqangit (IQ) into the proposed mitigations and monitoring initiatives when that information is made available specifically for a monitoring program.
IR	BQCMB	19	.3	Tier 3	Appendix 6D - WMMP	Section 1.6.2	Incorporation of IQ principles can be incorporated in further development of the WMMP. The Incorporation of IQ in the WMMP is summarized in Tier 3, Appendix 6D, Section 1.6.2 - Incorporation of Inuit Qaujimajatuqangit. The WMMP outlines how Inuit Qaujimajatuqangit (IQ) can be further incorporated into mitigation and monitoring initiatives.

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IR	BQCMB	20		Tier 2	Appendix 8A - EHHRA	6.2.4	Tier 3, Volume 8, Human Health, Appendix 8A provides an assessment of the potential risk to caribou from intakes of Contaminants of Potential Concern (COPCs) and radionuclides from the Kiggavik Project. The assessment provides conservative estimates of potential COPC concentrations and radiological doses related to contaminant transfer through the food chain. The model used in this ecological risk assessment has evolved from previous models used in predicting effects on Valued Ecosystem Components at other uranium mining sites.
IR	BQCMB	21	.1	Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Tier 3, Appendix 4C, Section 4.1.1	The draft Air Quality Monitoring and Mitigation Plan provides the vegetation chemistry study design, statistical design and the power analysis of between-area comparisons.
IR	BQCMB	21	.2	Tier 3	Appendix 8A - EHHRA	Section 2.9.3	Integrated response in report text, Tier 3 Appendix 8A Section 2.9.3
IR	BQCMB	21	.3	Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Section 4.0	The draft Air Quality Monitoring and Mitigation Plan provides the spatial scale of vegetation chemistry study design, statistical design and the power analysis of between-area comparisons.
IR	BQCMB	25		Tier 3	Appendix 2T - EMS	Section 3.3	Opportunities to support and collaborate with the initiatives of the NGMP and the SoK reports are outlined in Tier 3, Appendix 2T
IR	CARC	1	.1	Tier 2	Volume 6 - Terrestrial Environment	Section 13.2.2 Section 13.2.2.5	Updated the habitat effects assessment in Tier 2, Volume 6, Section 13.2.2 – Assessment of Change in Habitat Availability. Summary tables in Section 13.2.2.5 – Residual Effects for Change in Habitat Availability show change from baseline to Project conditions. Habitat loss is estimated based on mitigation actions.
IR	CARC	1	.2	Tier 2	Volume 6 - Terrestrial Environment	Section 13	Analysis of the impacts to lichen in relation to caribou habitat both in terms of project footprint loss, and ZOI effects are presented in Tier 2, Volume 6.
IR	CARC	2	.1	Tier 2	Volume 6 - Terrestrial Environment	Volume 6 Section 13.3	Updated the cumulative effects assessment for caribou in Tier 2, Volume 6, Section 13.3 - Cumulative Effects Assessment for Caribou and Muskox.
IR	CARC	2	.10	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3	Enhanced discussion on the basis of the assessment, significance criteria, and residual effects in Tier 2, Volume 6, Section 13.2.3 - Assessment of Change in Movement.
IR	CARC	2	.11	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3	Revised assessment of Project effects on movement. Adopted information made available in the Kivalliq Atlas, incorporated IQ and summarized encounter and residency rates analysis (Tier 2, Volume 6, Section 13.2.3.1 - Analytical Methods for Change in Movement).
IR	CARC	2	.12	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3	Included considerations for residual effects on movement and health by adding an assessment caribou energetics (Appendix 6X).
IR	CARC	2	.13	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3.2.6	Enhanced text supporting summary conclusions about the residual cumulative effects on caribou and muskox in Tier 2, Volume 6, Section 13.3 – Cumulative Effects on Caribou and Muskox.
IR	CARC	2	.14	Tier 2	Volume 6 - Terrestrial Environment	Volume 6 Section 13.3.4	Updated the cumulative effects of habitat loss in Tier 2, Volume 6, Section 13.3.4 - Assessment of the Cumulative Effects: Change in Habitat Availability. Summarized publically-available data sources identified in Tier 1, Appendix 1E – Cumulative and Transboundary Effects.
IR	CARC	2	.15	Tier 3	Appendix 2R - Decommissioning	Sections 2.5, 4.2.4, 4.2.10, 6.2.3	The preliminary decommissioning plan Tier 3, Appendix 2R outlines re-vegetation considerations including a research program, progressive reclamation, and the follow-up program.
IR	CARC	2	.16	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Technical Appendix 4B - Air Dispersion Assessment	Volume 6, Section 13	Enhanced discussion about lessons learned from other mines incorporated throughout Tier 2, Volume 6, Section 13 and in the WMMP (Appendix 6D, Section 3). An evaluation of Meadowbank and Ekati mine dust predictions and monitoring results were also evaluated (Tier 3, Appendix 4B).
IR	CARC	2	.16b	Tier 2	Appendix 6D - WMMP	n/a	Included details on methods used and assumptions made about cumulative project footprints in Tier 1, Appendix 1E – Cumulative and Transboundary Effects. Summarized standard mitigation measures used in numerous mining projects in northern Canada in Appendix 6D – Wildlife Mitigation and Monitoring Plan.
IR	CARC	2	.17	Tier 2	Volume 6 - Terrestrial Environment	n/a	(1) Updated citations for information sources, including internet sources, in all volumes. (2) Updated Tier 3 Appendix 6C and Tier 2 Volume 6 tables. No inconsistencies were noted.
IR	CARC	2	.2	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Updated the cumulative effects assessment for caribou in Tier 2, Volume 6, Section 13.3 - Cumulative Effects Assessment for Caribou and Muskox, including the results of energetics-population modelling. Assessing caribou health through the measure of hair cortisol concentrations is a monitoring technique and not applicable as a measurable parameter for an effects assessment.
IR	CARC	2	.2b	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Updated the cumulative effects assessment to encompass several health-related factors for caribou in Tier 2, Volume 6, Section 13.3 - Cumulative Effects Assessment for Caribou and Muskox. Assessing caribou health through the measure of hair cortisol concentrations is a monitoring technique and not applicable as a measurable parameter for an effects assessment.
IR	CARC	2	.2c	Tier 3	Appendix 8A - EHHRA	8.0, Attachment G	Integrated discussion of screening indices into text.
IR	CARC	2	.2c	Tier 3	Appendix 8A - EHHRA	8.0	A discussion of the screening index approach is included in Appendix 8A.
IR	CARC	2	.3	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.1.4	Clarified the caribou herds considered in the effects assessment in Tier 2, Volume 6, Section 13.1.4 – Technical Limitations.

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IR	CARC	2	.4	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.1.3	Clarified how significance of effects were determined in the absence of defined thresholds in Tier 2, Volume 6, Section 13.1.1 (Standards or Thresholds for Determining Significance). The term "professional judgment" is no longer used. Identified authors of environmental assessment with a cross-reference to FEIS Tier 2, Volume 6, Terrestrial Environment, page I (authorship page).
IR	CARC	2	.5	Tier 2	Volume 6 - Terrestrial Environment	Section 13.2.2 Section 13.2.2.5	Updated Tier 2, Volume 6, Section 13.2.2 – Assessment of Change in Habitat Availability. Updates notes on calculations of habitat effects tables in Section 13.2.2.5 - Residual Effects for Change in Habitat Availability.
IR	CARC	2	.6	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.2.1	Enhanced discussion on basis of estimating ZOI in Tier 2, Volume 6, Section 13.2.2.1 - Analytical Methods for Change in Habitat.
IR	CARC	2	.7	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3	a) Acknowledge the technical limitations of using collar data in Tier 2, Volume 6, Section 13.1.4 - Technical Limitations of the Assessment for Caribou and Muskox b) Enhanced discussion in Tier 2, Volume 6, Section 13 – Effects Assessment on Caribou and Muskox. That assessment identifies the uses of several information sources including IQ relating to baseline conditions, and was more explicitly integrated into the assessment on movement (Section 13.2.3 - Assessment of Change in Movement). IQ information is clearly identified throughout both the wildlife baseline and effects assessment.
IR	CARC	2	.8	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13	Clarified the caribou herds considered in the effects assessment in Tier 2, Volume 6, Section 13.1.4 – Technical Limitations.
IR	CARC	2	.9	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3.2	Revised Tier 2, Volume 6, Table 13.2-1 to reflect update to Project description and describe caribou interaction with the two road options.
IR	CARC	Part 2	a	Tier 3	Appendix 6C - Wildlife Baseline	n/a	Shapefiles representing data collected by AREVA have been made available; data not owned by AREVA can be sought from the data owners.
IR	CNSC	1		Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5B Section 4.2.1.2 and Figure 4.2-24	A regional cross section has been provided in Appendix 5B, Figure 4.2-24.
IR	CNSC	2		Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5B Section 4.2.1.2	The information provided in the comment response has been added to Appendix 5B, Section 4.2.1.2.
IR	CNSC	3		Tier 2	Technical Appendix 1D-III; Volume 6 - Terrestrial Environment	Volume 6 Sections 5.5 and 7.2.4	DEIS Tier 2, Volume 6, Terrestrial Environment, Sections 5.5 and 7.2.4 slope stability analyses are considered to be an integral part of the plan to mitigate adverse effects during all phases of the project. Section 7.2.7 outlines a monitoring system for permafrost and terrain stability. The detailed implementation of the monitoring system will be provided at the licensing phase. Detailed geotechnical investigations and design will be completed with the detailed design of each facility.
IR	CNSC	4		Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5B Figure 4.2-26	An additional figure, Appendix 5B Figure 4.2-26 was added to show the local interpretation of regional faults and inferred faults which were derived from the geotechnical design of the Kiggavik open pits.
IR	CNSC	5		Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline; Technical Appendix 5D - Groundwater Flow Model; Technical Appendix 5E - Prediction of Water Inflows to Kiggavik Project Mines	Appendix 5B Figure 4.2-6, Appendix 5E Figure 2.4-1, Volume 5D Section 5.2	1) Appendix 5B Figure 4.2-26 was added to show the regional structures near End Grid. 2) Appendix 5E Figure 2.4-1 was added to show the regional structures included as two-dimensional vertical discrete elements in the inflow prediction Additionally, the hydrogeology follow-up program is described in Volume 5D Section 5.2 and includes mapping of faults and fractures at mine locations, additional, hydraulic conductivity testing, and updated mine inflow predictions among other activities.
IR	CNSC	6		Tier 1; Tier 2	Technical Appendix 1D-III; Volume 6 - Terrestrial Environment	Appendix 6A Attachment J	Attachment J of Appendix 6A provided a description of ground ice conditions. Additional geotechnical characterization including ground ice conditions will be completed for detailed design prior to licensing.
IR	CNSC	7		Tier 3	Technical Appendix 6A - Surficial Geology and Terrain Baseline	Appendix 6A, Attachment A & B	Geotechnical borehole logs are presented in Appendix 6A, Attachment A. Grain size distribution curves are provided in Appendix 6A, Attachment B
IR	CNSC	8		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 5.5.2.7, Technical Appendix 2V Attachment A Section 4.0	Pit depressurization in Andrew Lake is addressed in Volume 2 Section 5.5.2.7 as well as Appendix 2V, Attachment A, Section 4.0.
IR	CNSC	9		Tier 1	Technical Appendix 1D-III	n/a	AREVA committed to undertake thermal modeling of the Andrew Lake Pit prior to licencing and update the associated groundwater model and inflow prediction if required based on the thermal analysis in PHC-5x.
IR	CNSC	10		Tier 2	Volume 10 - Accidents, Malfunctions and Effects of the Environment	Volume 10 Section 5.2.4	The sentence has been corrected in Volume 10 Section 5.2.4
IR	CNSC	12		Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J Section 8.2	A description of the TOVP is provided in Appendix 5J Section 8.2
IR	CNSC	13		Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Appendix 5J Section 8.2	Further information on future tailings characterization is provided in Appendix 5J Section 8.2
IR	CNSC	14		Tier 3	Technical Appendix 4B - Air Dispersion Assessment	Appendix 4B Section 4.2.5 and Section 6.4	Revised radon emanation calculation from tailings as per most recent IAEA technical report on the subject of radon emanation (TRS 474) and subsequently updated air dispersion modelling to incorporate this change in emissions.
IR	CNSC	15		Tier 2	Volume 5 - Aquatic Environment; Technical Appendix 5B - Geology and Hydrogeology Baseline	Volume 5 Section 5.2.3, Volume 5B, Section 7.2.1	Appendix 5B Section 7.2.1 describes the hydraulic conductivity testing conducted for the project. The reference to the Neretnieks data has been added to the reference list of Volume 5B. A description on the use of the data in Figure 7.2-1 as supporting data is provided in Appendix 5B Section 7.2.1.
IR	CNSC	16		Tier 1	Technical Appendix 1D-III	Appendix 5D Section 5.2.	Additional stratigraphic sections will be constructed as more hydrogeologic data is made available through the hydrogeology follow-up program described in Appendix 5D Section 5.2.

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IR	CNSC	17		Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D, Section 3.1.3.1	Appendix 5D Section 3.1.3.1 describes how the permafrost depth was determined for the groundwater model. It assumes that the thickness of the permafrost is relatively uniform across the model domain but was adjusted by dipping the base of the permafrost by 3 degrees to the south to match the observed permafrost thickness.
IR	CNSC	18		Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D, Section 5.2	The three dimensional numerical models presented are considered living tools subject to improvement. The flow models provide a realistic representation of the hydrogeology of the region. The hydrogeology follow-up program described in Appendix 5D Section 5.2 will provide additional data and updates to the groundwater flow, thermal, and solute transport models.
IR	CNSC	19		Tier 2	Volume 7 - Marine Environment	Section 11 - summary of monitoring for the marine environment	Given that marine transportation associated with the Project is not expected to result in significant residual effects on marine fish nor contribute to cumulative environmental effects on marine fish in the RAA, there are no monitoring programs recommended for marine fish. As discussed in Volume 7, Section 4.3.1.2, three species of wolfish have probable ranges that overlap with the RAA and are listed on Schedule 1 of SARA. During the course of the life of the project AREVA will endeavour to record and report any sightings or incidental catches of wolffish made during construction, operation or project associated monitoring programs conducted in the RAA, in order to improve current understanding of their distribution, habitat use, and abundance within the RAA.
IR	CNSC	20		Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Volume 4 Part 1 - Air Quality and Climate Section 4.1.1; Appendix 4B Section 4.1.2.4; Appendix 4C Section 4.2	Clarified incinerator specifications and integrated cross-references to Waste Management Plan
IR	CNSC	21		Not Integrated into FEIS	n/a	n/a	Screening provided in IR response
IR	CNSC	22		Tier 2	Volume 8 - Human Health	4	Baseline radiation data including groundshine, radon and radioactive dust has been integrated into assessment.
IR	CNSC	23		Tier 2	Volume 8 - Human Health	6.3.7.1	Commitment to respect equivalent dose limits added in assessment, and deep and shallow dose monitoring added to Radiation Protection Plan.
IR	CNSC	24		Tier 2	Volume 8 - Human Health	6.4.2	Commitment to validate assumptions about radon exposure in the construction phase is included.
IR	CNSC	25		Tier 2	Volume 10 - Accidents, Malfunctions and Effects of the Environment	5.5.1	Section 5.5.1, summarized from Appendix 10A, rationalizes the classification of severity as moderate. Appendix 10A has been updated with greater consideration of potential impacts on ecological receptors.
IR	CNSC	26		Tier 2	Volume 6 - Terrestrial Environment Volume 7 - Marine Environment	Volume 6 Section 13.4; Volume 7, Section 6.5	Revised Tier 2, Volume 6, Section 13.4 - Transboundary Effects Assessment for Caribou, to indicate AREVA's supposition that the cumulative effects assessment incorporated transboundary effects. A discussion on transboundary effects for the marine environment of Hudson Bay and Hudson Strait has been added to Tier 2, Volume 7, Section 6.5.
IR	CNSC	27		Tier 2	Volume 6 - Terrestrial Environment	Section 11.4.3 Section 11.6.2	Updated justification for selection of indicator species used for the assessment of migratory birds in Tier 2, Volume 6, Section 11.6.2 – Indicators. Updated Tier 2, Volume 6, Section 16 - Effects Assessment for Migratory Birds. "Manitoba ducks" are not an indicator of Project effects. Summarized the MBCA in Tier 2, Volume 6, Section 11.4.3 – Migratory Birds Convention Act. Any effects that have the potential to contravene the MBCA are identified, mitigated and monitored as identified in Appendix 6D – Wildlife Mitigation and Monitoring Plan.
IR	CNSC	28		Tier 2	Volume 3 Part 1 - Engagement; Appendix 3A - Engage Docs	Tier 2 Volume 3 Part 1 Section 3.4, Table 3.4.3, Table 3.4.4	Meetings have been held. Refer to Tier 2 Volume 3 part 1 Table 3.4.3 and 3.4.4 for summary of Engagement in Baker Lake and Chesterfield Inlet.
IR	CNSC	29		Tier 2	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 2 Section 3.4 and section 3.4.2	Added details regarding IQ interviews in Tier 2 Volume 3 Part 2 section 3.4 and 3.4.2
IR	CNSC	30		Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ	Volume 2 Sections 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.2.5, 4.2.6, 4.2.7, 4.2.8 Volume 3 Part 2 Section 3.6 Figure 3.6-1, 3.6-2	Examples of how IQ and engagement influenced design are presented in Volume 2 Sections 4.2.1 to 4.2.8 A description of the more broad integration and consideration of IQ throughout the EIS is found in Tier 2 Volume 3 Part B Section 3.6 Figure 3.6-1.
IR	CNSC	31		Tier 2	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 1 Section 3.3.3	Refer to Tier 2 Volume 3 part 1 section 3.3.3
IR	CNSC	32	a	Tier 2	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 Section 3.4.11, 4.5	Text describing the engagement efforts outside of the Nunavut Settlement Area has been added. Refer to Section 4.5 in Tier 2 Volume 3 part 1.
IR	CNSC	32	b	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 1.2	Sentence added in Tier 2 Volume 3 Part 2 section 1.2 confirming that AREVA will provide the KIA and NTI with the IQ data gathered.
IR	CNSC	32	c	Tier 2	Volume 3 Part 2 - IQ; Volume 7 - Marine Environment	Volume 3 Part 2 Section 3.6.3; Volume 7, Section 5.2	A discussion on IQ and Science discrepancies has been added to Tier 2 Volume 3 Part 2 Section 3.6.3
IR	CNSC	33		Tier 2	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 1 Section 4.5	See comment under IR-BQCMB-2.1
IR	CNSC	34		Tier 3	Appendix 8A - EHHRA	n/a	Appendix 8A has been developed to consider environmental and human health issues, including impacts of airborne dust on wildlife.
IR	CNSC	35		Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Appendix 3C - Community Involvement	Volume 3 Part 1 Section 3.3.3 and Technical Appendix 3 C Section 5.4.1	Translation is described in Tier 2 Volume 3 Part 1 Section 3.3.3

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IR	CNSC	36		Tier 3	Appendix 2T - EMS	Technical Appendix 2T	Technical Appendix 2T has been revised to provide more information on AREVA's Environmental protection and management framework, integrated management system, and the regulatory framework associated with the Project.
IR	CNSC	37		Tier 1	Volume 1	Volume 1 Section 1.3	Project purpose and need are presented in FEIS Tier 1, Volume 1, Main Document, Section 1.3.
IR	CNSC	38		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 4.6, 6.5.6	Socio-economic impact assessment methodology does not, and cannot, include assessment of impacts on specific individuals. Explanation and methodology available at listed sections.
IR	CNSC	39		Tier 2	Volume 10 - Accidents, Malfunctions and Effects of the Environment	5.4.1	Consequence ratings are based on both the hazardous material properties and the location of the spill. On-site spills benefit from having greater resources immediately available so generally have lower consequence than an equivalent event off-site.
IR	DFO	1		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2, Volume 5, Section 10.2.2; Tier 3, Appendix 5L; Appendix 5P	A description of the location, footprint and installation of the Baker Lake dock was added.
IR	DFO	2	a and b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2, Volume 5, Section 5.5.5; Tier 3, Appendix 5L	See IR n/a 5.2.2.3; Updated Tier 2 Section 4 and Appendix 5L
IR	DFO	3		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2, Volume 5, Section 10.1.1, 11.1.1; Tier, 3 Appendix 5L	FHCP is now a Fisheries Offsetting Plan
IR	DFO	4	a	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5M - Aquatic Effects Monitoring	Tier 3, Appendix 5M - 5.2, 6.5, Table 6.0-1 updated already; Tier 3, Appendix 5L all sections	Tier 2 Volume 5 updated to remove reference to FHC and changed to suit the new fisheries offsetting requirements. Tier 3 Appendix 5M and 5L updated.
IR	DFO	4	b	Tier 3	Appendix 5C - Aquatics Baseline	Tier 3, Volume 5, Appendix 5C Section 11 (all sub-sections, tables, and figures therein).	Sampling methods outlined in Tier 3, Volume 5, Appendix 5C (no 5C updates were required relative to the DEIS). Fishing methods and efforts used in the three streams in question are listed in Tier 3, Volume 5, Appendix 5C, Tables 11.2-1 and 11.2-2. Fishing methods and efforts for the watercourse crossings are provided in Tier 3, Volume 5, Appendix 5C, Table 11.2-7.
IR	DFO	4	c	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Volume 5, Appendix 5L	Tier 2 Volume 5 updated to remove reference to FHC and changed to reflect the new fisheries offsetting requirements. Tier 3 Appendix 5M and 5L updated.
IR	DFO	5	a, b, c	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2, Volume 5 Section 5.5.5; Tier 3, Appendix 5C-Attachment 5C-1 (all sections); Tier 3, Volume 5, Appendix 5L and Appendix 5O	Tier 3, Volume 5, Appendix 5O Sediment and Erosion Control added. Indicated that anchors would be installed by floating them out into the lake. Added diffuser information into Appendix 5O. Additional aquatics baseline information included in Tier 3, Volume 5, Appendix 5C, Attachment 5C-1, including information from potential diffuser and intake locations. Tier 3, Volume 5, Appendix 5L is now "Conceptual Fisheries Offsetting Plan".
IR	DFO	6		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Tier 2, Volume 5, Sections 5.5.5.1.4, 8.2.1, Tier 3 Appendix 5C-1 Section 4.	Minor revision required to meet conformity. Aquatic habitat information at the intake/diffuser locations is included in Technical Appendix 5C-1.
IR	DFO	7		Tier 3	Appendix 5C - Aquatics Baseline	Appendix 5C - Sections 11.1.2.1 to 11.1.2.6 (reference to table) and Attachment X.I (Table X.I-14)	New Table X.I-14 (all fishing efforts) and references to the table have been integrated to the Appendix 5C
IR	DFO	8	a and b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2, Volume 5, Sections 10.1.1 and 10.2.2; Appendix 5L	Included the winter road as the preferred option but added a description of the all-weather road, if required. The HADD no longer applies and the Fisheries Offsetting Plan has been provided.
IR	DFO	9		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 2G - K-S Road; Appendix 5A - Hydrology; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2 Volume 5 Table 5.5-14; Tier 3 Appendix 2G Table 2.2-2; App 5L; Volume 5, Section 5.5.5.1 (Table 5.5-16, Figures 5.5-2A and B, and reference) and 5.5.5.2 (reference); Appendix 5A Section 5.3.2	New IR response Table 5.5-16, Figures 5.5-2A and 5.5-2B, and paragraphs with reference to these table and figures have been integrated to Volume 5 The design rationale for stream crossings is presented in Appendix 5A, Section 5.3.2. An updated list of crossings for the Kiggavik to Sissons road is also provided in Appendix 2G Table 2.2-2.
IR	DFO	10		Tier 1; Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline; Appendix 5G - Thermal and Water Transport; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5M - Aquatic Effects Monitoring	Volume 1, Section 10.4.4.2; Tier 2, Volume 5, Table 5.5-14; Volume 5, Sections 5.5.5, 10.2.2, 11.1.1; Volume 5, Section 5.5.5.1 (Table 5.5-16, Figures 5.5-2A and B, and reference) and 5.5.5.2 (reference); Tier 3, Appendix 5L; Appendix 5M Section 6.5	Appendix 5L is now a Fisheries Offsetting Plan A - New Table 5.5-16, Figures 5.5-2A and 5.5-2B, and paragraphs with reference to these table and figures have been integrated to Volume 5 D- Monitoring of fish passage is included in Technical Appendix 5M, Section 6.5.
IR	DFO	11		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2 Volume 5 Sections 1.2.5, 3.5, 11.2.1, 11.4.1 and 11.5; Tier 3 Appendix 5L	Appendix 5L - is now a Fisheries Offsetting Plan. No offsetting is required.
IR	DFO	12	a	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5N - Hydrology Assessments	Tier 2, Volume 5, Section 6.2.1.5.2 and 6.2.1.5.3; Tier 3, Volume 5N, Appendix 5P	Section was added to App 5N to describe the conservatism that was built into the assessment. Mushroom Lake withdrawal rate was changed to 0.000694 m3/s and Tier 2 Volume 5 updated accordingly.
IR	DFO	12	b	Tier 2; Tier 3	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6; Tier 3 Volume 5 Appendix 5P	No EIS text revision required to meet conformity; see additional information in Tier 3, Volume 5, Appendix 5P
IR	DFO	12	c	Tier 2	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6	No EIS text revision required to meet conformity
IR	DFO	13	a, b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5N - Hydrology Assessments	Tier 2, Volume 5, Section 6.2.1.5.2 and Table 6.4-1; Tier 3, Appendix 5N and 5P	Withdrawal assessment for Siamese was revised to include max ice thickness of 2.5 m.

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IR	DFO	14		Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5M - Aquatic Effects Monitoring	Tier 3, Appendix 5M - 4, 5.2, 6.5, Table 6.0-1 updated already; Appendix 5L all sections	Tier 2 Volume 5 updated to remove reference to FHC and changed to reflect the new fisheries offsetting requirements. Tier 3 Appendix 5M and 5L updated.
IR	DFO	15		Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Appendix 5L Section 1.3	The consultation section of App 5L summarizes consultation around the Conceptual Fisheries Offsetting Plan.
IR	DFO	16	a	Tier 2; Tier 3	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6.2.1.5.6, 6.2.1.4	Appendix 5O Sediment and Erosion Control Plan also added.
IR	DFO	17	a,b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 2, Volume 5, Sections 10.1., 10.2, 11.1.1; Tier 3 Volume 5 Appendix 5L	Added discussion regarding water quality of Andrew Lake.
IR	EC	1		Tier 2; Tier 3	Appendix 2M - Road Management; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 2M Section 5.1, Attachment A; Appendix 4C Section 4.1	Dust mitigation is addressed in Appendix 2M Section 5.1 and Attachment A, Proposed dust monitoring is detailed is Appendix 4C Section 4.1
IR	EC	2		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6	Figure 10.6.1 shows the conceptual flight route and has been added to Volume 2 Section 10.6.2
IR	EC	3		Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Section 4.0	Details of planned monitoring are provided in Appendix 4C.
IR	EC	4		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.3.2	operation of the UF/RO during maintenance is addressed in Volume 2 Section 9.5.3.2
IR	EC	5		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment; Appendix 2E - Water Diversion	Tier 3, Appendix 2E Section 1.0, 7.3; Tier 3 Appendix 5O all sections; Volume 10 Section 5.2.8	The general design criteria for freshwater diversion channels is provided in Appendix 2E Section 1.0. Information on BMP for construction of freshwater diversion channels is provided in Appendix 2E Section 7.3 and Appendix 5O (conceptual erosion and sediment control plan). The risk of overflow of a diversion channel is negligible and is addressed in Volume 10 Section 5.2.8
IR	EC	6		Tier 3	Volume 5 - Aquatic Environment	Appendix 2E Section 6.1, 7.0; Appendix 5O Section 2.7	Commitment to monitor water quality and quantity included in Appendix 5O, Conceptual Erosion and Sediment Control Plan. AREVA anticipates specific details on locations, parameters and frequencies to be determined at the time of licensing and permitting.
IR	EC	7		Tier 2; Tier 3	Volume 5 - Aquatic Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment; Appendix 2E - Water Diversion	Tier 3, Appendix 2E Section 1.0, 7.3; Tier 3 Appendix 5O all sections; Volume 10 Section 5.2.8	The general design criteria for freshwater diversion channels is provided in Appendix 2E Section 1.0. Information on BMP for construction of freshwater diversion channels is provided in Appendix 2E Section 7.3 and Appendix 5O (conceptual erosion and sediment control plan). The risk of overflow of a diversion channel is negligible and is addressed in Volume 10 Section 5.2.8
IR	EC	8		Tier 3	Technical Appendix 1D-III; Appendix 2E - Water Diversion	Appendix 2E Section 7.3	The timing and approach for detailed geotechnical and permafrost investigations is presented in Appendix 2E Section 7.3
IR	EC	9		Tier 3	Technical Appendix 1D-III	Commitments Table	Baseline data will be collected prior to detailed design to determine the depth of the active layer
IR	EC	10		Tier 3	Appendix 2I - Water Management Plan	Appendix 2I Section 5.2.1, 5.2.2	Volume of site runoff pond integrated into Appendix 2I Section 5.2.2 Average treated effluent volume is shown in Appendix 2I, Figure 5.1-2.
IR	EC	11	1,2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6	Construction and operation of the Pointer Lake airstrip is addressed in Volume 2 Section 10.6.2.
IR	EC	11	3	Tier 2	Volume 6 - Terrestrial Environment	Section 16.2.1.1	Updated the description of the ZOI used to determine habitat effects in Tier 2, Volume 6, Section 16.2.1.1 – Analytical Methods for Change in Habitat Availability.
IR	EC	11	4	Tier 2	Volume 6 - Terrestrial Environment	Section 16.2.1.5	Updated the estimate of habitat effects, based on revised ZOI, in Tier 2, Volume 6, Section 16.2.1.5 – Residual Effects for Change in Habitat Availability.
IR	EC	11	5	Tier 2	Volume 6 - Terrestrial Environment	Section 16.2.1.5	Provided maps of habitat effects that included the revised ZOI in Tier 2, Volume 6, Section 16.2.1.5—Residual Effects for Change in Habitat Availability. Provided text indicating that personnel flights will be a mix of charters from hiring communities and there is no associated figure, and that supplies arrive at site via ship/barge in Tier 2, Volume 2, Section 10.6 Provided conceptual flight path for uranium concentrate in Tier 2, Volume 2, Section 10.6, Figure 10.6-1.
IR	EC	11	6	Tier 2	Appendix 6D - WMMP	Section 4.1.2.2	Updated Appendix 6D – Wildlife Mitigation and Monitoring Plan, Section 4.1.2.2 – Migratory Birds using guidance provided by EC.
IR	EC	12	1	Tier 3	Appendix 6D - WMMP	4.3	See Technical Appendix 6D. Further details will be provided at licensing stage.
IR	EC	12	2	Tier 3	Appendix 6D - WMMP	n/a	Updated Appendix 6D – Wildlife Mitigation and Monitoring Plan, to include updated direction on AMBN surveys and set-back (buffer) distances used to protect nests of different species provided by Environment Canada. The WMMP was updated in lieu of providing the dated “Work Instruction KIG-722-02, Active Bird Nest Identification and Monitoring”.
IR	EC	13	1,2	Tier 2; Tier 3	Volume 6 - Terrestrial Environment	Volume 6, Section 16.2.2.4	1) Enhanced text on contamination risk to waterfowl in Tier 2, Volume 6, Section 16 – Effects Assessment for Migratory Birds, Section 16.2.2.4 – Mitigation Measures and Project Design for Change in Health. 2) Enhanced text on the need for access prevention in Tier 2, Volume 6, Section 16.2.2.4 – Mitigation Measures and Project Design for Change in Health Access Prevention.

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IR	EC	14	1&2	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2S - Waste Management Plan; Appendix 6D - WMMP	Volume 2 Section 4.4.1.4; Appendix 2S Section 2.4; Volume 6 Section 16.6	1) Incorporated wildlife design features in Volume 2 Section 4.4.1.4. Addressed wildlife management related to waste management facilities in Appendix 2S Section 2.4. 2) Incorporated text about lessons learned from other northern mine sites in Tier 2, Volume 6, Section 16.6 – Summary of Mitigation Measures for Migratory Birds. Cross-referenced Environment Canada guidelines on "Preventing Wildlife Attraction to Northern Industrial Sites" which is partially based on lessons learned from other northern mining sites.
IR	EC	15	1	Tier 3	Appendix 2J - Marine Transport	Sections 3.3.3	A discussion on the current level of marine traffic in Chesterfield Inlet, Hudson Bay, and Hudson Strait has been provided in Section 3.3.3 of Technical Appendix 2J. Tables 3.3-2 to 3.3-4 indicate the anticipated vessel traffic through Hudson Strait and Chesterfield Inlet during the Kiggavik Project for the construction phase, operations phase, and final closure phase, respectively.
IR	EC	15	2	Tier 2	Volume 7 - Marine Environment	Section 4.3.1.2; Section 10	Vessels travelling along the proposed shipping route past Coats Island will remain greater than 30 km from the coast to avoid disturbance of this key marine habitat site for migratory birds.
IR	EC	15	3	Tier 2	Volume 7 - Marine Environment	Section 4.3.1.2; Section 10	Vessels travelling along the proposed shipping route past Coats Island will remain greater than 30 km from the coast to avoid disturbance of this key marine habitat site for migratory birds.
IR	EC	16		Tier 3	Appendix 2N - Borrow and Quarry	Appendix 2N Section 1.3	Submission of closure plans is addressed in Appendix 2N Section 1.3
IR	EC	17	1	Tier 3	Volume 5 - Aquatic Environment	Tier 3, Appendix 5O, all sections	New Appendix 5O Sediment and Erosion Control Plan was added and includes details on turbidity curtain for Andrew Lake dewatering.
IR	EC	17	2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.3.3	Management of the RO permeate is addressed in Volume 2 Section 9.5.3.3
IR	EC	17	3	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.1	Freshwater distribution to the mill is addressed in Volume 2 Section 9.5.1
IR	EC	18		Tier 3	Volume 5 - Aquatic Environment; Appendix 2R - Decommissioning; Technical Appendix 5F - Mine Rock Characterization and Management	Appendix 5F Section 10.2 and	The predictions of water chemistry are provided in Volume 5F table 10.2-2.
IR	EC	19		Tier 2	Volume 5 - Aquatic Environment	8.2.1.5	Added missing figure
IR	EC	20		Tier 2	Volume 5 - Aquatic Environment	8.2.1.5	Added figure and updated report text
IR	EC	21	1	Tier 2	Volume 5 - Aquatic Environment	Section 8.1.1	Integrated response to text
IR	EC	22	1 - 3	Tier 2	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Appendix 2H - Ore Storage; Appendix 2I - Water Management Plan; Technical Appendix 2S - Waste Management Plan; Appendix 2T - EMS; Appendix 2U - Hazardous Material; Technical Appendix 5F - Mine Rock Characterization and Management; Appendix 10B - Spill Contingency	See notes	Mine rock monitoring is addressed in Volume 2 Section 6.7 Volume 2, Section 9.1 provides a description of contact water. Management and monitoring of contact water is discussed in Volume 2 Sections 9.5.2 and 9.6.2 and Appendix 2I Section 2. Contact water quality is addressed in Volume 2 Section 9.2 and Appendix 5F Section 9.2 compares the water quality to CCME. The ability of site drainage to meet MMER is addressed in Volume 2 Section 9.5.2 and 9.6.2 and Appendix 2I Section 4.2.3. Final discharge points, as defined by MMER are shown in the water balance diagrams (Appendix 2I Sections 4.2 and 5.1) The Mine Rock Optimization and Validation Program is discussed in Volume 2 Sections 6.4, 6.7 and 13.5.2, Appendix 2T Section 4.3, and Appendix 5F Section 11. Sewage management is addressed in Volume 2 Section 14.2.5 and Appendix 2I Sections 4.3.5 and 5.3.4. Details of the leak detection system are provided in Appendix 2D Section 5.3 Which facilities will be lined vs. unlined is stated within the descriptions of the facilities (Volume 2 Section 9.5.3.4, 9.6.3.4 - Monitoring ponds; Volume 2 Section 5.4.2.7, 9.1, Appendix 2H Section 2.1 - ore stockpile; Volume 2 Section 6.6.1.2, Appendix 2D Section 2.0 - Type 3 mine rock stockpile; Volume 2 Section 11.2, Appendix 2U Section 3.2 - fuel tank farms; Volume 2 Section 14.2.6, Appendix 10B Section 6.2 - Landfarm: Volume 2 Section 14.2.3, Appendix 2U Section 7.1.2 - Hazardous Waste; Volume 2 Section 14.2.2, Appendix 2S Section 2.3.2 - Contaminated Landfill; Volume 2 Section 9.5.2, 9.6.2 - Type 2 mine rock pads; Volume 2 Section 9.5.2.1, Appendix 2I Section 4.2.3 - Drainage channels and sedimentation ponds; Volume 2 Section 9.4, Appendix 2I Section 3.2 - freshwater diversion channels) The site water treatment processes are described in Volume 2 Sections 9.5.3.2 and 9.6.3.2 Technical Appendix 2T discusses AREVA's Environmental protection and management framework and integrated management system, in Section 2.2 and 4, respectively. The IR response incorrectly stated that water from freshwater diversion channels reported to unlined sedimentation ponds. Freshwater diversion channels will contain clean water only and will be discharged directly to the environment.

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IR	EC	23	1	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Appendix 2H - Ore Storage; Appendix 2I - Water Management Plan; Technical Appendix 2S - Waste Management Plan; Appendix 2T - EMS; Appendix 2U - Hazardous Material; Technical Appendix 5F - Mine Rock Characterization and Management; Appendix 10B - Spill Contingency	See notes	Mine rock monitoring is addressed in Volume 2 Section 6.7 Volume 2, Section 9.1 provides a description of contact water. Management and monitoring of contact water is discussed in Volume 2 Sections 9.5.2 and 9.6.2 and Appendix 2I Section 2. Contact water quality is addressed in Volume 2 Section 9.2 and Appendix 5F Section 9.2 compares the water quality to CCME. The ability of site drainage to meet MMER is addressed in Volume 2 Section 9.5.2 and 9.6.2 and Appendix 2I Section 4.2.3. Final discharge points, as defined by MMER are shown in the water balance diagrams (Appendix 2I Sections 4.2 and 5.1) The Mine Rock Optimization and Validation Program is discussed in Volume 2 Sections 6.4, 6.7 and 13.5.2, Appendix 2T Section 4.3, and Appendix 5F Section 11. Sewage management is addressed in Volume 2 Section 14.2.5 and Appendix 2I Sections 4.3.5 and 5.3.4. Details of the leak detection system are provided in Appendix 2D Section 5.3 Which facilities will be lined vs. unlined is stated within the descriptions of the facilities (Volume 2 Section 9.5.3.4, 9.6.3.4 - Monitoring ponds; Volume 2 Section 5.4.2.7, 9.1, Appendix 2H Section 2.1 - ore stockpile; Volume 2 Section 6.6.1.2, Appendix 2D Section 2.0 - Type 3 mine rock stockpile; Volume 2 Section 11.2, Appendix 2U Section 3.2 - fuel tank farms; Volume 2 Section 14.2.6, Appendix 10B Section 6.2 - Landfarm: Volume 2 Section 14.2.3, Appendix 2U Section 7.1.2 - Hazardous Waste; Volume 2 Section 14.2.2, Appendix 2S Section 2.3.2 - Contaminated Landfill; Volume 2 Section 9.5.2, 9.6.2 - Type 2 mine rock pads; Volume 2 Section 9.5.2.1, Appendix 2I Section 4.2.3 - Drainage channels and sedimentation ponds; Volume 2 Section 9.4, Appendix 2I Section 3.2 - freshwater diversion channels) The site water treatment processes are described in Volume 2 Sections 9.5.3.2 and 9.6.3.2 Technical Appendix 2T discusses AREVA's Environmental protection and management framework and integrated management system, in Section 2.2 and 4, respectively. The IR response incorrectly stated that water from freshwater diversion channels reported to unlined sedimentation ponds. Freshwater diversion channels will contain clean water only and will be discharged directly to the environment.
IR	EC	23	2	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Appendix 2H - Ore Storage; Appendix 2I - Water Management Plan; Technical Appendix 2S - Waste Management Plan; Appendix 2T - EMS; Appendix 2U - Hazardous Material; Technical Appendix 5F - Mine Rock Characterization and Management; Appendix 10B - Spill Contingency	See notes	Mine rock monitoring is addressed in Volume 2 Section 6.7 Volume 2, Section 9.1 provides a description of contact water. Management and monitoring of contact water is discussed in Volume 2 Sections 9.5.2 and 9.6.2 and Appendix 2I Section 2. Contact water quality is addressed in Volume 2 Section 9.2 and Appendix 5F Section 9.2 compares the water quality to CCME. The ability of site drainage to meet MMER is addressed in Volume 2 Section 9.5.2 and 9.6.2 and Appendix 2I Section 4.2.3. Final discharge points, as defined by MMER are shown in the water balance diagrams (Appendix 2I Sections 4.2 and 5.1) The Mine Rock Optimization and Validation Program is discussed in Volume 2 Sections 6.4, 6.7 and 13.5.2, Appendix 2T Section 4.3, and Appendix 5F Section 11. Sewage management is addressed in Volume 2 Section 14.2.5 and Appendix 2I Sections 4.3.5 and 5.3.4. Details of the leak detection system are provided in Appendix 2D Section 5.3 Which facilities will be lined vs. unlined is stated within the descriptions of the facilities (Volume 2 Section 9.5.3.4, 9.6.3.4 - Monitoring ponds; Volume 2 Section 5.4.2.7, 9.1, Appendix 2H Section 2.1 - ore stockpile; Volume 2 Section 6.6.1.2, Appendix 2D Section 2.0 - Type 3 mine rock stockpile; Volume 2 Section 11.2, Appendix 2U Section 3.2 - fuel tank farms; Volume 2 Section 14.2.6, Appendix 10B Section 6.2 - Landfarm: Volume 2 Section 14.2.3, Appendix 2U Section 7.1.2 - Hazardous Waste; Volume 2 Section 14.2.2, Appendix 2S Section 2.3.2 - Contaminated Landfill; Volume 2 Section 9.5.2, 9.6.2 - Type 2 mine rock pads; Volume 2 Section 9.5.2.1, Appendix 2I Section 4.2.3 - Drainage channels and sedimentation ponds; Volume 2 Section 9.4, Appendix 2I Section 3.2 - freshwater diversion channels) The site water treatment processes are described in Volume 2 Sections 9.5.3.2 and 9.6.3.2 Technical Appendix 2T discusses AREVA's Environmental protection and management framework and integrated management system, in Section 2.2 and 4, respectively. The IR response incorrectly stated that water from freshwater diversion channels reported to unlined sedimentation ponds. Freshwater diversion channels will contain clean water only and will be discharged directly to the environment.
IR	EC	24	1	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2I - Water Management Plan	Volume 2 Sections 9.5.3.4, 9.5.3.5, 9.6.2.4, 9.6.2.5; Appendix 2I Sections 4.3, 5.3	Contingency measures tables for Kiggavik and Sissons water treatment, in volume 2 and Appendix 2I, have been updated to clarify the batch discharge of sewage.
IR	EC	25	1	Tier 3	Appendix 10B - Spill Contingency	Sections 6.1.3 and 6.6	Se IR AANDC 47 for conformity
IR	EC	26		Tier 3	Appendix 2B - Drilling; Appendix 2C - Explosives	Appendix 2B Section 7.5: Appendix 2C Sections 3.1.1; 3.3; 4.3	Information regarding total nitrogen loss can be found in more detail in Appendix 2B - Section 7.5 (no changes required to meet conformity) and Appendix 2C Section 3.1.1 Storage of explosives is addressed in Appendix 2C Section 3.3 Spill prevention is addressed in Appendix 2C Section 4.3
IR	EC	27	1	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 14.2.4	Treatment of leachate from landfills is addressed in Volume 2 Section 14.2.4
IR	EC	27	2	Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 1.3, 2.3.1, 2.3.2	Landfill management strategies are addressed in Appendix 2S Section 2.3.1, 2.3.2 Predicted waste generation is presented in Appendix 2S Section 1.3, Table 1.3-1 Landfill design capacity and decommissioning strategy is addressed in Appendix 2S Section 1.3
IR	EC	27	3	Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 1.3, 2.3.1, 2.3.2	Landfill management strategies are addressed in Appendix 2S Section 2.3.1, 2.3.2 Predicted waste generation is presented in Appendix 2S Section 1.3, Table 1.3-1 Landfill design capacity and decommissioning strategy is addressed in Appendix 2S Section 1.3

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IR	EC	28	1	Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 2.3, 2.3.1, 2.3.2, 4.1	Landfill inspections are addressed in Appendix 2S Section 4.1 (no changes required for conformity) Industrial landfill leachate generation and management is addressed in Appendix 2S Section 2.3.1 Contact water from the contaminated landfill is addressed in Appendix 2S Section 2.3.2 Contingency planning is addressed in Appendix 2S Section 2.3
IR	EC	29	1	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 14.2.5, 9.5.3.3, 9.6.3.3	Sewage management, discharge criteria, and maintenance of the sewage treatment plant is addressed in Volume 2 Section 14.2.5 Ammonia concentrations for the Kiggavik and Sissons WTP are shown in Section 9.5.3.3 and 9.6.3.3 respectively. Sewage from the Baker Lake dock site is addressed in Volume 2 Section 14.2.5
IR	EC	30	1	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2S - Waste Management Plan	Volume 2 Section 9.5.2; Appendix 2S, section 4.6	Contact water from the mine water sedimentation ponds is addressed in Volume 2 Section 9.2.5 and Appendix 2S Section 4.6 The IR response mentions a discharge point of Judge Sissons Lake for contact water which meets discharge criteria. This is incorrect and the text has been modified to say "...discharged to the environment"
IR	EC	31	1	Tier 3	Technical Appendix 2S - Waste Management Plan	Appendix 2S Section 2.1.6; 2.2.1; 4.3, 4.4	Incineration of sewage sludge and incinerator selections are addressed in Appendix 2S Section 2.2.1 Incinerator ash disposal is addressed in Appendix 2S Sections 2.1.6 and 4.4 Incinerator stack sampling and monitoring is addressed in Appendix 2S Section 4.3
IR	GN-CGS	8	a, b	Tier 2; Tier 3	Appendix 2M - Road Management; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 2M Section 5.1, Attachment A; Appendix 4C Section 4.1	Dust mitigation is addressed in Appendix 2M Section 5.1,and Attachment A, Proposed dust monitoring is detailed is Appendix 4C Section 4.1
IR	GN-CGS	9	a	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 7.8	Management and disposal of baghouse fines is addressed in Volume 2 Section 7.8 Testing of the baghouse fines is not necessary.
IR	GN-CGS	9	b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 7.8	Management and disposal of baghouse fines is addressed in Volume 2 Section 7.8
IR	GN-CGS	10		Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.14	The discussion on mine rock and tailings disposal alternatives has been updated for the FEIS. It is presented in Appendix 2A AREVA Addendum Section 2.14
IR	GN-CGS	11		Tier 3	Appendix 2P - OHS; Appendix 2U - Hazardous Material	Appendix 2P Section 3.8.4, 3.8.5; Appendix 2U Sections 1.2; 9.1; 2.1, 2.3.2; 2.3.5, 3.1.2	Environmental management standards for hazardous materials are addressed in Appendix 2U Section 1.2 WHMIS is addressed in Appendix 2P Section 3.8.4, 3.8.5 and Appendix 2U Section 9.1 The transportation of dangerous goods is addressed in Appendix 2U Section 2.1 and 2.3.2 Facility design considerations are addressed in Appendix 2U Section 2.3.5 Secondary containment requirements for the fuel storage facilities are addressed in Appendix 2U Section 3.1.2
IR	GN-CGS/NHC	12		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.1.7 and 11	IR referenced executive summary and response directed reader to more detailed discussion available in the EIS. Request is addressed in referenced sections of Volume 9. The rapid population growth rate that was expected during the preparation of the DEIS is less a concern at the preparation of the FEIS given the availability of more recent statistics and experience with migration, more importantly the lack of migration, associated with the Meadowbank Project.
IR	GN-CLEY	1		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 20.1	Project footprint is addressed in Volume 2 Section 20.1
IR	GN-CLEY	2	a	Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9B - Archaeology Baseline	Appendix 9B Archaeology Baseline, Section 2.2	Refer to Tier 3 Appendix 9 B section 2.2 for a description of the Local Study Area.
IR	GN-CLEY	2	b	Tier 3	Volume 9 Part 2 - Heritage Resources	Appendix 9B Archaeology Baseline, Section 2.2	Refer to Tier 3 Appendix 9 B section 2.2 for a description of the Local Study Area.
IR	GN-CLEY	3	a	Tier 2	Volume 9 Part 2 - Heritage Resources; Appendix 9D - Archaeological Mitigation	Volume 9 Part 2 Heritage Resources, Sections 7.1	Expanded text in Section 7.1 of Tier 2 Volume 9 Part 2
IR	GN-CLEY	3	b	Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9D - Archaeological Mitigation	Appendix 9D Archaeology Mitigation Plan, Sections 2.3, 2.4, 2.5	Updated the Archaeology Mitigation Plan. Refer to Tier 3 Appendix 9D sections 2.3, 2.4 and 2.5
IR	GN-CLEY	3	c	Tier 2	Volume 9 Part 2 - Heritage Resources; Appendix 9D - Archaeological Mitigation	Volume 9 Part 2 Heritage Resources, Sections 7.1	Expanded text. Refer to Tier 2 Volume 9 Part 2 Section 7.1
IR	GN-CLEY	4	a	Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9D - Archaeological Mitigation	Appendix 9D Archaeology Mitigation Plan, Sections 2.2	Avoidance is described in Tier 3 Appendix 9D, Archaeology Mitigation Plan Section 2.2
IR	GN-CLEY	4	b	Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9D - Archaeological Mitigation	Appendix 9 D Archaeology Mitigation Plan, Section 2.2	Avoidance is described in Tier 3 Appendix 9D, Archaeology Mitigation Plan Section 2.2
IR	GN-CLEY	5		Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9B - Archaeology Baseline; Appendix 9D - Archaeological Mitigation	Appendix 9B Archaeology Baseline Section 3.2	Added to Tier 3 Appendix 9B, Archaeology Baseline, section 3.2
IR	GN-CLEY	6		Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9D - Archaeological Mitigation	Appendix 9D Archaeology Mitigation Plan, Sections 2.2, 2.3, 2.4, 2.5	Updated Archaeology Mitigation Plan. Refer to Archaeology Mitigation Plan Sections 2.2, 2.3, 2.4 and 2.5
IR	GN-CLEY	7		Tier 3	Appendix 2M - Road Management	Appendix 2M Section 5.1	Snow storage is Addressed in Appendix 2M, Section 5.1.
IR	GN-DOE	20	a	Tier 3	Appendix 6C - Wildlife Baseline	Tier 3 Appendix 6C Section 4.3	Clarified the wildlife surveys conducted in support of the environmental assessment in Tier 3, Appendix 6C, Section 4.3.
IR	GN-DOE	20	b	Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 13.1.4 Appendix 6C, Section 4.3	Identified uncertainties and limitations of available data in Appendix 6C, Section 4.3 (Wildlife Baseline), and further in Tier 2, Volume 6, Section 13.1.4.

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IR	GN-DOE	20	c	Tier 3	Appendix 6C - Wildlife Baseline	Section 4.3	Clarified the wildlife surveys conducted in support of the environmental assessment in Tier 3, Appendix 6C, Section 4.3.
IR	GN-DOE	21		Tier 2	Volume 6 - Terrestrial Environment	11.7.1	Updated and provided justification for assessment spatial boundaries in Tier 2, Volume 6, Section 11.7.1 – Spatial Boundaries
IR	GN-DOE	22	a	Tier 2	Volume 6 - Terrestrial Environment	Sections 13.2, 13.3	Enhanced the overall effects assessment to better communicate methods used and data sources (Tier 2, Volume 6). The long-term stability of caribou given the potential for increased harvesting is addressed Section 13.2.1 – Assessment of Change in Mortality, in Section 13.3.3 – Assessment of the Cumulative Effects: Change in Mortality, and in the caribou energetics model (Tier 2, Volume 6). Effects are assessed for when caribou interact with the project, and this does not include the calving period.
IR	GN-DOE	22	b	Tier 3	Volume 6 - Terrestrial Environment	Section 13.3	Assessed the cumulative effects of other projects that are identified in the Project Inclusion List in Tier 1, Appendix 1E – Cumulative and Transboundary Effects.
IR	GN-DOE	22	c	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3	Updated the Project Inclusion List in Tier 1, Appendix 1E – Cumulative and Transboundary Effects. At this time, AREVA is not aware of a proposed road from Points North into Nunavut, and is therefore not included in the Project Inclusion List.
IR	GN-DOE	22	d	Tier 2	Volume 6 - Terrestrial Environment	Section 13	Revised assessment text to better reflect comparison of two road options, Tier 2, Volume 6, Section 13 through Section 17.
IR	GN-DOE	23		Tier 3	Volume 6 - Terrestrial Environment	Section 13.3	Updated the cumulative effects assessment on mortality in Tier 2, Volume 6, Section 13.3. However, the request did not clarify the mechanism of how the Project will allow other peoples from Canada to harvest caribou from the herds that seasonally occur within the RSA.
IR	GN-DOE	24		Tier 2	Volume 6 - Terrestrial Environment	Section 13.3.4	Updated the terrestrial wildlife cumulative effects assessment to include measures of habitat loss to cumulative “footprint” habitat loss (Tier 2, Volume 6, Section 13.3.4
IR	GN-DOE	25	a	Tier 2	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Volume 6, Section 15	Updated Tier 2, Volume 6, Section 15 (Effects Assessment for Raptors) and the WMMP (Tier 3, Appendix 6D) to include a list of the nests within 3 km (likely disturbed) of Project facilities.
IR	GN-DOE	25	b	Tier 3	Volume 6 - Terrestrial Environment	App 6C, Section 5.8	Provided den site data in Tier 3, Appendix 6C - Wildlife Baseline report, Section 5.8.
IR	GN-DOE	25	c	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Volume 6 Sections 15.2.1.4, 15.2.3.4	Provided mitigation measures for raptors in Tier 2, Volume 6, Section 15.2.1.4 – Mitigation Measures and Project Design for Change in Raptor Habitat Availability, Section 15.2.2.4 – Mitigation Measures and Project Design for Change in Raptor Nest Productivity, Section 15.2.3.4 – Mitigation Measures and Project Design for Change in Raptor Health, and in the WMMP (Appendix 6D). Provided mitigation measures for denning sites in the WMMP Section 4.1.1.5 – Den Site Mitigation (Appendix 6D).
IR	GN-DOE	26		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 16.1, 16.2.1	Completed shorebird habitat analysis completed and integrated into migratory birds, Tier 2, Volume 6, Section 16 – Migratory Birds.
IR	GN-DOE	27		Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan; Appendix 6D - WMMP	Appendix 4C, Section 4.0 Appendix 6D Section 5.3.1	Included a framework for assessing habitat loss in the WMMP, Appendix 6D, Table 5.3 1 – Wildlife Monitoring: Direct Habitat Loss. Monitoring of potential indirect habitat loss associated with air quality is outlined in Tier 3, Appendix 4C.
IR	GN-DOE	28		Tier 2	Volume 6 - Terrestrial Environment	Section 16	Updated the assessment of Project effects on migratory birds (Tier 2, Volume 6, Section 16 – Effects Assessment for Migratory Birds). The analyses of the limited Project effects did not warrant an expansion to an assessment of population-level effects of migratory birds that interact with the Project.
IR	GN-DOE	29		Tier 2	Volume 6 - Terrestrial Environment	Section 16.4.3	Updated Tier 2, Volume 6, Section 16.4.3– Effects of Climate Change on Project and Cumulative Effects on Migratory Birds and Habitat.
IR	GN-DOE	30		Tier 3	Appendix 5K - Water Balance	Section 5	Added discussion in Tier 3, Appendix 5K
IR	GN-DOE	31		Tier 2	Volume 6 - Terrestrial Environment	Section 11	Corrected table cross reference. The notes in DEIS Tier 2, Volume 6, Terrestrial Environment, Table 13.1-1 (Project-Environment Interactions and Effects on Caribou and Muskox), Table 14.1-1 (Project-Environment Interactions and Effects on Raptors and Habitat), Table 15.1-1 (Project-Environment Interactions and Effects on Migratory Birds), Table 16.1-1 (Project-Environment Interactions and Effects on Species at Risk) were incorrect. Those tables in the FEIS now refer to Tier 2, Volume 6, Section 11, Table 11.5-1 (Project-Environment Interactions: Terrestrial Wildlife).
IR	GN-DOE	32	a	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13 to 17	Updated the discussion and habitat effects tables in Tier 2, Volume 6, Sections 13–17. The habitat loss calculations do not include consideration of habitat restoration measures following closure.
IR	GN-DOE	32	b	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13 to 17	Updated the discussion and habitat effects tables in Tier 2, Volume 6, Sections 13–17. The habitat loss calculations do not include consideration of habitat restoration measures following closure. They represent predicted changes in habitat quality due to project activities that are anticipated to occur over the construction and operation phases until reclamation is undertaken.
IR	GN-DOE	33	a	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13	Included figures in Tier 2, Volume 6, Section 13 that show road options and water crossings where relevant.
IR	GN-DOE	33	b	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 13.2.2, 13.3.4	Updated the habitat effects assessment in Tier 2, Volume 6, Section 13.2.2 – Assessment of Change in Caribou and Muskox Habitat Availability and 13.3.4 – Assessment of the Cumulative Effects: Change in Habitat Availability. Only one road option will be used for the Project and there are no "areas in between roads."
IR	GN-DOE	34	a	Tier 3	Technical Appendix 1D-III; Appendix 10B - Spill Contingency	App 10B- Section 1, 1.2, 1.3	All proposed fuel storage facilities will be designed, constructed, and operated according to the regulations and protocols outlined in Sections 1 of the Spill Contingency and Landfarm Management Plan. Specifics regarding operational differences between fuel storage facilities will be developed upon completion of detailed engineering and presented at the licensing phase.

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IR	GN-DOE	34	b	Tier 3	Appendix 10B - Spill Contingency	Appendix 10B	A preliminary spill contingency plan is presented in Technical Appendix 10B. AREVA commits to providing the information requested at the time of licensing
IR	GN-DOE	35		Tier 3	Appendix 2L - All-Season Road; Appendix 2M - Road Management	Appendix 2L Section 3.10.2, Appendix 2M - Section 4.1.4	Information on the Thelon River crossing is presented in Appendix 2L Section 3.10.2. A comparison table has been included to compare the bridge and cable ferry options. Effects and mitigation measures for the Thelon crossing are outlined in Appendix 2M Section 4.1.4
IR	GN-DOE	36	a	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 20.1	Update to assessment basis shows that north winter road is no longer an option. Details for the north winter are not required to meet conformity
IR	GN-DOE	36	b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 20.1	Update to assessment basis shows that north winter road is no longer an option. Details for the north winter are not required to meet conformity
IR	GN-DOE	37	a	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Volume 2 Section 10.4.2, 20.1; Volume 9 Section 12.1.3; Technical Appendix 9A Attachment D	Road options are presented in Volume 2 Section 10.4.2 and 20.1. A more full discussion on the heritage status of the Thelon and potential effects is provided as Tier 3 Technical Appendix 9A Attachment D
IR	GN-DOE	37	b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 20.1	Assessment basis indicates that south road is the preferred option
IR	GN-DOE	38	a	Tier 3	Appendix 2N - Borrow and Quarry	Appendix 2N Section 4.2	Mitigations for the quarry locations are presented in Appendix 2N Section 4.2
IR	GN-DOE	38	b	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2N - Borrow and Quarry	Volume 2 Section 12.7, Appendix 2N Section 3.1	The use of quarry location Q12 is addressed in Volume 2 Section 12.7 and Appendix 2N Section 3.1
IR	GN-DOE	39		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2M - Road Management	Volume 2 Section 4.2.1; Appendix 2M Section 5.1 and Attachment A	Volume 2 Section 4.2.1 and Appendix 2M Section 5.1 and Attachment A reference dust mitigation measures and suppression techniques.
IR	GN-DOE	40	a	Tier 3	Appendix 2M - Road Management	Appendix 2M, Section 4.1.4	Water Required for flooding the Thelon River is addressed in Appendix 2M Section 4.1.4
IR	GN-DOE	40	b	Tier 3	Appendix 2M - Road Management	Appendix 2M Section 4.1.4	The development of a management plan for the ice bridge construction is addressed in Appendix 2M Section 4.1.4
IR	GN-DOE	41		Tier 3	Appendix 2M - Road Management	Appendix 2M Section 4.1.4	The selection of the cable ferry location is addressed in Appendix 2M Section 4.1.4
IR	GN-DOE	42	a	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 9A - Socio-Economic Baseline	Tier 2, Volume 5, Section 6.2.1.5.2; Tier 3, Appendix 5O; Tier 3, Appendix 9A, Attachment D	Added - Appendix 5O - Erosion and Sediment Control Plan Sentence was added to emphasize that activities associated with the Thelon River will not affect water quantity. Discussion of Project activities and Thelon Heritage River designation in Tier 3, Appendix 9A, Attachment D
IR	GN-DOE	42	b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 9A - Socio-Economic Baseline	Tier 2, Volume 5, Section 6.2.1.5.2; Tier 3, Appendix 9A, Attachment D	Sentence was added to emphasize that activities associated with the Thelon River will not affect water quantity. Discussion of Project activities and Thelon Heritage River designation in Tier 3, Appendix 9A, Attachment D
IR	GN-DOE	43	a	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Volume 5, Appendix 5L all sections	Tier 2 Volume 5 updated to remove reference to FHC and changed to suit the new fisheries offsetting requirements. Tier 3 Appendix 5L updated.
IR	GN-DOE	43	b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Volume 9 Part 2 - Heritage Resources; Technical Appendix 9A - Socio-Economic Baseline	Tier 3, Volume 5, Appendix 5L all sections; Tier 2, Volume 9 Part 1, Sections 9.1.6, 9.5 and 12.1.3 Appendix 9D Section 1.1; Tier 3, Appendix 9A, Attachment D	Thelon Canadian Heritage River discussion added to Tier 3, Appendix 9A, Attachment D. Minor edits also made in Volume 5.
IR	GN-DOE	44	a and b	Tier 2	Volume 9 Part 2 - Heritage Resources; Volume 9 Part 1 - Socio-Economic Environment; Appendix 2M - Road Management	Technical Appendix 9A Attachment D; Appendix 2M Section 4.1.4	Residual effects and mitigation for the cable ferry is addressed in Appendix 2M Section 4.1.4
IR	GN-DOE	45	a and b	Tier 1	Volume 9 Part 2 - Heritage Resources; Volume 9 Part 1 - Socio-Economic Environment; Appendix 1E Cumulative and Transboundary	Technical Appendix 1E, Section 1.2	A description of the Project Inclusion List for use in cumulative effects assessments and the creation of a far future scenario is presented in Technical Appendix 1E. The use of reasonably foreseeable projects and activities is an accepted practice in environmental assessments but the use of far future scenario is not a standard aspect of assessment. It is necessarily highly qualitative and uncertain.
IR	GN-DOE	45	c	Tier 1; Tier 3	Technical Appendix 9A - Socio-Economic Baseline; Appendix 1E Cumulative and Transboundary	Tier 1 Technical Appendix 1E Section 1.2; Tier 3 Volume 9 Technical Appendix 9A Attachment D.	Response to IR clarified that A bridge to cross the Thelon is not a recommendation but rather an assumption under the "Far Future Scenario". A discussion on the development and assumptions supporting the far future scenario is presented in Technical Appendix 1E. A summary on the Thelon River's Canadian Heritage River Status in the Context of the Kiggavik Project has been provided in Tier 3 Volume 9 Appendix 9A Attachment D.
IR	GN-DOF	46		Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 9 Part 1 - Socio-Economic Environment	Volume 2 Section 18.5	Taxes will be paid to both the Government of Canada and the Government of Nunavut and royalties paid to the Government of Canada and Nunavut Tunngavik Incorporated. The Government of Nunavut will not receive royalties under the current system. Taxes are addressed in Volume 2 Section 18.5
IR	GN-DOF	47		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 11.1; 11.2; 11.3	Part of IR request referred to executive summary and response directed reader to more detailed discussion contained in the EIS. Related information to address issue found in Sections 11.1 for Project effects on services, 11.2 for cumulative effects on services and 11.3 for a summary of effects on services.
IR	GN-DOF	48		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Attachment C	Appendix D to the IR submission presented as Tier 2 Volume 9 Attachment C in the FEIS submission.

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IR	GN-DOF	49		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Attachment C	Appendix D to the IR submission presented as Tier 2 Volume 9 Attachment C in the FEIS submission. The assessment clearly states technical boundaries in the model and acknowledges adjustments could be made but that ultimately the assessment conclusions will remain the same.
IR	GN-DOF	50		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 13.1.2; 13.1.3	IR response noted that the input output model is fixed and cannot be altered in the way DOF requests. Refer to noted Volume 9 Sections for related and supporting information.
IR	GN-DOF	51	a and b	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1.3	Additional clarification text has been provided as follows. Section 13.1.3 provides some discussion and breakdown of taxation, but not to the level requested. Although interesting, further tax breakdown is not reliable for the GN planning suggested. Fuel tax is difficult to accurately predict in the face of changing demand associated with fluctuations in production or need, and market cost. Further, payroll and personal income taxes are difficult to accurately predict given potential fluctuations in demand for labour associated with changes in production, or type of employment. Further breakdown beyond the aggregate average presented would not change the conclusion of the EIS.
IR	GN-DOF	51	c	Not Integrated into FEIS	Not Integrated into FEIS	NA	Currently Saskatchewan is AREVA's only permanent establishment as defined under the Income Tax Act (Canada). When Kiggavik is in development, AREVA would then have permanent establishments in both Saskatchewan and Nunavut.
IR	GN-DOF	51	d	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1	AREVA pays corporate taxes on its Canadian operations, not on individual projects. The consolidated corporate taxable income of AREVA is confidential and will not be disclosed.
IR	GN-DOF	51	e	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1	AREVA will allocate its corporate taxable income based on the relevant sections and regulations contained in the Income Tax Act (Canada).
IR	GN-DOF	51	f	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1	Response details described in other subsections of IR-GN-DoF-51 and in Section 13.1
IR	GN-DOF	51	g	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2U - Hazardous Material	Volume 2 Section 11.2.1; Appendix 2U Section 3.1, 3.1.2	Fuel consumption is stated in Volume 2 Section 11.2.1 and Appendix 2U Section 3.1, 3.1.2
IR	GN-DOF	51	h	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 8.1.6	IR response estimated for Kivalliq residents annual totals of $9 million and $19 million for construction and operations, respectively. It is noted that all wages will be negotiated some years from now, and Nunavut's labour market can be expected to evolve between now and start of construction, start of operations, and decommissioning so such averages are very approximate. AREVA will submit Nunavut payroll taxes as per legislation in Nunavut and AREVA is committed to being market competitive locally and nationally.
IR	GN-DOF	51	i	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1	For the purposes of modelling, AREVA has assumed a consistent payment of property taxes to the GN of $2.5 million per year once development commences.
IR	GN-DOF	51	j	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1	
IR	GN-DOF	51	k	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13	AREVA is committed to comply with the Nunavut payroll legislation and submitting source deductions accurately and on time. As noted in the IR responses, some of the requested detail is uncertain for a variety of reasons and does not change the conclusion of the assessment. Available and relevant information is provided in Volume 9 Section 13.
IR	GN-DOJ	76		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.3.4; 6.3.5; 6.5.3; 6.5.5; and 6.5.6	Text has been added into section 6.3.4 identifying the presence of a drug and alcohol policy. Section 6.3.5 notes that there will be an EFAP in place to deal help workers cope with substance abuse. a) At this time, it is not possible to create an accurate assessment of all potential direct modes of transportation of controlled substances into communities. b) AREVA cannot control what employees do outside of work hours, beyond prohibition of the use of drugs and alcohol while on shift, or being under the influence of drugs and alcohol while on shift. Beyond this prohibition, AREVA cannot control the importation of illicit substances into the Kivalliq region. It is expected that prohibitive policies regarding drug and alcohol use and substance abuse counselling via the EFAP would partially mitigate employee access to and use of controlled substances. AREVA has committed to work with authorities as appropriate and allowed to cooperate on these issues.
IR	GN-DOJ	77	a	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.5.6	Should AREVA discover that criminal behavior has occurred, or is alleged to have occurred, on site, this will be documented in the relevant confidential personnel file(s) and AREVA will fully cooperate with local authorities as warranted in response to the discovery. AREVA commits to working with GN departments and data sharing as appropriate.
IR	GN-DOJ	78		Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Appendix 3C - Community Involvement	Appendix 3C Table 5.3-1 (Kiggavik Project Stakeholders); Volume 9 Section 6.5.6	RCMP has been added to the Project Stakeholders list in Tier 3 Appendix 3C Table 5.3-1
IR	GN-Ed	14		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6	The IIBA is discussed in Section 6.6
IR	GN-Ed	15		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6 and 7.3.1.1	The IIBA is discussed in Section 6.6 and additional detail on training added to Section 7.3.1.1
IR	GN-Ed	17	a & b	Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 9 Part 1 - Socio-Economic Environment	Volume 2 Section 18.2; Volume 9 Section 6.6	AREVA is committed to education and having youth finish high school with a grade 12 education or a general equivalency diploma (GED). People who have not achieved a Grade 12 education, but are able to demonstrate literacy, job skills and technical competencies, through alternative education and/or job experience, may be considered to have 'equivalent experience'. The experience required would be job-specific.
IR	GN-Ed	17	c	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.3 and 6.6	Section 6.3 discusses socioeconomic mitigation and benefit enhancement measures that may be applied. Many of these will mitigate barriers to Inuit employment. Some barriers to employment may be covered in the IIBA.

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IR	GN-Ed	18	a & b	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6 and 7.3.1.1	The IIBA is discussed in Section 6.6 and additional detail on training added to Section 7.3.1.1
IR	GN-Ed	19		Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 9 Part 1 - Socio-Economic Environment	Volume 2 Section 18.2; Volume 9 Section 6.3.3	It is AREVA's intention to provide off-site education and training for over 100 Inuit at Nunavut educational institutions and at AREVA operations in Saskatchewan prior to start of production for trade and technical roles and for operational trainees. AREVA anticipates the operational trainees potentially starting training up to four years prior to production. Possible employment categories for training include: heavy equipment operations, mill operations, apprenticeship and technician training, technology, radiation, environmental monitoring and computer and office skills
IR	GN-ED&T	13		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.3.9; 8.1.8; 8.1.9; and 8.2	Added information in the FEIS submission. Section 6.3.9 addresses the possibility of temporary closure, and the nature of effects. Section 8.1.8 further discusses the effects, and Section 8.1.9 provides a residual effects analysis of temporary closure. Section 8.2 notes the cumulative effects of a temporary closure.
IR	GN-Ed/ED&T	16		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Attachment B	Labour Market Analysis for the AREVA Kiggavik Uranium Project dated September 2014 is attached to Volume 9 as Attachment B
IR	GN-H&SS	52	a	Tier 3	Appendix 2J - Marine Transport	Appendix 2J, Sections 5.3 and 5.5	Preliminary OPEP and Spill Contingency plans have been updated accordingly.
IR	GN-H&SS	52	b	Tier 3	Appendix 2J - Marine Transport	Appendix 2J, Sections 5.3 and 5.5	OPEP and Spill Contingency plans have been updated accordingly.
IR	GN-H&SS	52	c	Tier 3	Appendix 2J - Marine Transport; Appendix 10B - Spill Contingency	Appendix 10B, Section 2.5.1 Spill Response Notification. Appendix 2J, Section 5.3	A draft notification protocol has been included in the spill contingency plan.
IR	GN-H&SS	53	a	Tier 3	Appendix 10C - ERP	Section 3 Mutual Aid Agreement created, Section 9 Mass Casualty created, Section 10.1.1 Public Health Emergency added and Section 10.1.2 Communicable Disease Program added.	Plans for public health, communicable disease, and mass casualty emergencies developed and integrated.
IR	GN-H&SS	53	b	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 10C - ERP	Volume 2 Section 16.4, Appendix 10C	A new Section - 16.4 Summary of Emergency Response Plan, was added to Volume 2 to provide readers a summary of the emergency response plan. The emergency response plan is located in Appendix 10C.
IR	GN-H&SS	53	c	Tier 3	Appendix 10C - ERP	Section 10 of Appendix 10C	Role of GN HSS has been included within appendix 10C.
IR	GN-H&SS	54	a	Tier 3	Appendix 8A - EHHRA	1.2	The pathways of exposure for human receptors in the human health risk assessment is illustrated by Figure 1.2-1 in Appendix 8A with Appendix 2T providing a framework for corresponding monitoring programs.
IR	GN-H&SS	54	b	Tier 2	Volume 8 - Human Health	5.3.6, 7.2.8, 7.2.9	Relevant human and environmental health related thresholds are described within assessment scoping sections.
IR	GN-H&SS	54	c	Tier 1; Tier 2	Volume 8 - Human Health	Section 7.7	Aggregated worker health information is summarized in annual reports and shared with regulators.
IR	GN-H&SS	55	a	Tier 2; Tier 3	Volume 8 - Human Health; Technical Appendix 2Q - Radiation Protection Plan	3.3, 6.6.1.2	Clarification on the designation of NEW and non-NEW is provided in Appendix 2Q - Radiation Protection Plan.
IR	GN-H&SS	55	b	Tier 2; Tier 3	Volume 8 - Human Health; Technical Appendix 2Q - Radiation Protection Plan	3.3; 6.6.1.2	Clarification on the designation of NEW and non-NEW is provided in Appendix 2Q - Radiation Protection Plan.
IR	GN-H&SS	55	c	Tier 3	Technical Appendix 2Q - Radiation Protection Plan	3.3	Assignment of dosimetry and the validation for the need of dosimetry devices is described in Appendix 2R - Radiation Protection Plan.
IR	GN-H&SS	56		Tier 3	Appendix 10C - ERP	Section 10.1.2	Communicable diseases has been included in 10C
IR	GN-H&SS	57	a	Tier 2	Technical Appendix 1D-III; Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.5; 8.6.1; 11.1.2	Specific interactions with GN HSS have been identified related to emergency response planning, public health situations, and the AREVA's worker health and wellness programs. Commitments have been made to work with the local health authority as AREVA moves to the licensing stage.
IR	GN-H&SS	57	b	Tier 2; Tier 3	Technical Appendix 1D-III; Appendix 2P - OHS	Appendix 2P Section 6.1 and Appendix 1D	A description of the anticipated Health Centre for the Kiggavik Project has been added to section 6.1 in Appendix 2P, OH&S Plan and the available services it will provide.
IR	GN-H&SS	57	c	Tier 3	Appendix 2P - OHS	Section 6.3 updated	Health Programs managed by the Health Centre have been included in Appendix 2P OH&S Plan.
IR	GN-H&SS	57	d	Tier 3	Appendix 2P - OHS	Section 6.2 Medical Transportation added.	AREVA's intent to use a third party provider for medical evacuations off site has been included in Technical Appendix 10C - Emergency Response Plan, Section 11.2.2 and 6.2 of Technical Appendix, 2P OH&S Plan.
IR	GN-H&SS	57	e	Tier 3	Appendix 2P - OHS	Sec 6.6 Health Reporting added	Communication with the GH-HSS for health related issues on site has been included in Section 6.7 Health Reporting of the Technical Appendix 2P - OH&S Plan.
IR	GN-H&SS	57	f	Tier 3	Appendix 2P - OHS	Section 6.5 Food Handling and Contamination Control added	Section 6.5 Food Handling and Contamination Control has been integrated into Technical Appendix 2P - OH&S Plan.
IR	GN-H&SS	58		Tier 3	Appendix 9C - HR Plan	Appendix 9C Section 6.3	Given that the service provider of the EFAP has not yet been determined for the Kiggavik Project, program specifics are not possible to define at this time. Available information on the EFAP program provided in section noted.
IR	GN-H&SS	59		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.3 and 6.6	Additional support programs to those mentioned in Volume 9 of the FEIS will be detailed in the IIBA and made available after negotiations have concluded or when both negotiating parties agree to disclose a summary.

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IR	GN-H&SS	60		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.2	Company insurance details provided in this section.
IR	GN-H&SS	61	a	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.3.4 and 6.6	In section AREVA suggests to include in health and safety programs a module to promote awareness of societal health issues for example, sexual and mental health, smoking, and nutrition.
IR	GN-H&SS	62	a	Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 9 Part 1 - Socio-Economic Environment; Appendix 3C - Community Involvement	Volume 9 Section 6.3.6 and Volume 3 Appendix 3C section 6.3	AREVA has identified plans for community involvement and identified its support for community monitoring programs which would provide assurances to local communities that country foods are not impacted by mining activities. A risk perception plan is outlined in Appendix 3C
IR	GN-H&SS	62	b	Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Appendix 3C - Community Involvement	Volume 9 Section 6.3.6 and Volume 3 Appendix 3C section 6.3	AREVA has identified that it will seek the advice of the community on ways to make information about country food available and understood. The framework of a risk perception plan is provided in Appendix 3C
IR	GN-H&SS	63		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 18.1	Employee transport is addressed in Volume 2 Section 18.1
IR	GN-H&SS	64		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.2.4 and 6.6	A request for detail appropriate for negotiation under the IIBA. Related information provided in sections 6.3.4 and 6.6
IR	GN-H&SS	65		Tier 1; Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Tier 1 Technical Appendix 1F; Volume 9 Section 9	Section 9 discusses the complex interactions between harvested resource abundance, access to those resources, high costs of harvesting and cultural change on the one hand and the amounts of country food harvested on the other. There is also discussion of the potential for effect on the extent of sharing, again as a result of cultural change.
IR	GN-H&SS	66		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 10.1.6; 10.1.7	IR referenced summary text and IR response directed reader to more full discussion on issue of concern with additional narrative.
IR	GN-H&SS	67		Tier 3	Appendix 10C - ERP	Section 9 Mass Casualty added to 10C - ERP and Section 10.2.2 Medical Evacuation Plan Added to 10C ERP	Plans for mass casualties and communicable disease outbreaks have been integrated. AREVA plans to be self-sufficient, minimizing dependency on GN.
IR	GN-H&SS	70		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.3.1	The Employee Family Assistance Program (EFAP). The program to cover the Kiggavik site will be put in place prior to the Operational phase of the project. It will apply to employees and their families.
IR	GN-H&SS	71		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 4.6; 10	Rationale used to determine significance provided in following sections.
IR	GN-H&SS	72		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6	Future and additional community well-being initiatives are likely to be included in the IIBA negotiations.
IR	GN-H&SS	73		Tier 3	Technical Appendix 9A - Socio-Economic Baseline	Technical Appendix Section: 4.2.3.5	IR response directed reader to the requested information.
IR	GN-H&SS	74		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 10 and 11	IR response directed reader to sections of greater detail. The positive correlations of employment and income with individual, family and therefore community wellbeing are explained in Section 10 and are well established in GN government policy, as well as in the literature, even granting that in some individual cases this may not be true. The correlations of employment and income with increased demand for health, housing and municipal services are explained in Section 11, and are also well established in the literature.
IR	GN-H&SS	75		Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Appendix 9C - HR Plan	Volume 9 Section 7.3.1.2; The first section of Appendix 9C provides a list of AREVA policies	AREVA has a Code of Conduct, Respectful Workplace Policy and Discipline Policy in place to deal with any harassment and employee misbehaviour. In addition, AREVA will cooperate with local authorities. Volume 9 Section 7.3.1.2 provides some additional discussion on how this is applied at Saskatchewan operations.
IR	GN-H&SS	77	b	Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Appendix 3C - Community Involvement	Volume 9 Section 6.5.6; Appendix 3C Section 5.3	AREVA supports data sharing as described in Tier 3 Appendix 3C section 5.3 and collaborative monitoring as described in Tier 2 Volume 9 Part 1 section 6.5.6
IR	GN-H&SS/ NHC	68	a-e	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 5.3.2; 11.1.4; 6.3.4; 8.1.7	Also see PHC-86
IR	GN-H&SS/ NHC	69		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 11.1.4	Also see PHC-86
IR	GN-NHC	79	a	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 11.1.4	Also see PHC-86
IR	GN-NHC	79	b	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 11.1.4	Also see PHC-86
IR	GN-NHC	80		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 8.1.7 and 11.1.4	Also see PHC-86
IR	GN-NHC	81		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 11.1.4; 11.1.6	Also see PHC-86
IR	GN-NHC	82		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.1.7; 11.1.4	Also see PHC-86
IR	GN-NRI	83	a	Tier 3	Volume 3 Part 1 - Engagement; Appendix 3C - Community Involvement	Appendix 3C Section 6.4	
IR	GN-NRI	83	b and c	Tier 3	Volume 3 Part 1 - Engagement; Appendix 3C - Community Involvement	Appendix 3C Section 6.4	Evaluation of engagement activities is described in section 6.4 of Tier 3 Appendix 3C, Community Involvement Plan.

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IR	GN-NRI	84	a	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 1 Section 1.2 and Volume 3 Part 2 Section 1.2	Objectives are in Tier 2 Volume 3 Part 1 Section 1.2 and Part 2 Section 1.2
IR	GN-NRI	84	b	Tier 2	Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 3.4.3	A discussion of the process used can be found in Tier 2, Volume 3 Part 2 Section 3.4.3
IR	GN-NRI	84	c	Tier 3	Volume 3 Part 2 - IQ	Tier 3, Volume 3 Part 1, Appendix 3A Part 2.	The results of the IQ validation workshop can be located in Tier 3 Volume 3 Part 1 Appendix 3A Part 2.
IR	GN-NRI	85		Tier 3	Appendix 2T - EMS	Appendix 2T Section 3.1, 3.2, 3.3	GN has been added to the list of regulators in Appendix 2T Section 3.1, 3.2 and 3.3.
IR	GN-NRI	86		Tier 3	Appendix 5M - Aquatic Effects Monitoring	1.0	A reference to the requirements of Nunavut's Scientists Act was added to the permits and authorizations required for the AEMP.
IR	HC	1		Tier 2	Volume 8 - Human Health	4	Additional baseline radiation information has been integrated into Volume 8.
IR	HC	2		Tier 3	Appendix 8A - EHHRA	4.2.1.2	Section added to integrate consideration of exposure pathways into assessment. Comments provided in table reflect rationale for categorization.
IR	HC	3		Tier 3	Appendix 8A - EHHRA	4.2; 3.2	The rationale accepted by Health Canada at the "Information Request" stage has been integrated into Appendix 8A.
IR	HC	4		Tier 3	Appendix 8A - EHHRA	Volume 8 Section 6.3; Appendix 8A	Radiation exposures during construction considered in both worker (Vol 8) and public dose assessments (App 8A).
IR	HC	5		Tier 2; Tier 3	Volume 4 Part 2 - Noise Vibration; Appendix 4E - Noise Vibration; Appendix 4F - Noise Abatement	Tier 2 Volume 4 Part 2 Sections 8.2.1.2, 8.8.1.1, and References; Tier 3 Appendix 4E Sections 2.5.1.2, 5.0; Tier 3 Appendix 4F Section 3.2	All discussion of the noted Health and Welfare Canada reference (Health and Welfare Canada 1989) has been removed from the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports.
IR	HC	6		Tier 1	Volume 1	n/a	added
IR	HC	7		Tier 2	Volume 4 Part 2 - Noise Vibration	8.8.1.1, 8.8.1.1, References	All discussion of the noted International Organization of Standardization reference (ISO 1969) has been removed from the noise and vibration impact assessment (Tier 2) report.
IR	HC	8		Tier 3	Appendix 4E - Noise Vibration	No integration required	Integration not required
IR	HC	9		Tier 2; Tier 3	Volume 4 Part 2 - Noise Vibration; Appendix 4E - Noise Vibration	Tier 2 Volume 4 Part 2 Section 8.2.1.2; Tier 3 Appendix 4E Sections 2.5.1.2, 2.6.2, 4.5.1.1, 4.5.2.1, 4.5.3.1, 4.5.4.1	Inclusion of subject equations has been confirmed in the noise and vibration impact assessment technical appendix (Tier 3) report.
IR	HC	10		Tier 2; Tier 3	Volume 4 Part 2 - Noise Vibration; Appendix 4E - Noise Vibration	Tier 2 Volume 4 Part 2 Section 8.2.1.2; Tier 3 Appendix 4E Sections 2.5.1.2, 2.6.2, 4.5.1.1, 4.5.2.1, 4.5.3.1, 4.5.4.1	Additional clarification of night-time adjustments have been incorporated in the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports
IR	HC	11		Tier 3	Appendix 4E - Noise Vibration	No integration required	Integration not required
IR	HC	12		Tier 2; Tier 3	Volume 4 Part 2 - Noise Vibration; Appendix 4E - Noise Vibration	Tier 2 Volume 4 Part 2 Sections 10.1.4, 11.1.4; Tier 3 Appendix 4 E Section 4.4.1	The following clarifications were incorporated in the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports: The closest sensitive receptor to the Mine Development Area, R3, is approximately 15 km from the closest potential blast site in the Mine Development Area. Groundborne noise and vibration from blasting was not assessed at receptors R1 and R2 as blasting was not expected to occur in the vicinity of Baker Lake.
IR	KIA	1		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13 (Effects Assessment on Caribou and Muskox)	Updated Tier 2, Volume 6, Sections 13 – Effects assessment for caribou and muskox to better incorporate and highlight IQ.
IR	KIA	2		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.3, Section 11.7.2, Section 11.7.3, and Section 13.1.4	1. Updated the cumulative effects assessment in Tier 2, Volume 6, Section 13.3 – Cumulative Effects Assessment for Caribou and Muskox. The spatial boundary and project inclusion list was revised and is described in Tier 1, Appendix 1E – Cumulative and Transboundary Effects. Explanatory tables are provided in those sections. 2. Acknowledged the uncertainties of the assessment in Section 11.7.2 – Administrative Boundaries, Section 11.7.3 – Technical Boundaries, and Section 13.1.4 – Technical Limitations of the Assessment for Caribou and Muskox, and in the summary conclusions of residual effects.
IR	KIA	3	1	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3	Updated the assessment of the potential project effects on movement that included consideration of the mine site and associated roads acting as a filter or partial barrier to localized movement in Tier 2, Volume 6, Section 13.2.3 – Assessment of Change in Caribou Movement.
IR	KIA	3	2	Tier 3	Appendix 6D - WMMP	Sections 4.1.1.2, 4.2.2	Updated the WMMP (Appendix 6D) to include a monitoring program that evaluates track deflections when approaching Project infrastructure and roads (Appendix 6D, Mitigation: 4.1.1.2 – Barriers and/or filters to wildlife movement (general mitigation), 4.2.2 – Barriers and/or filters to wildlife movement (project design); Monitoring: Table 5.4 2 – Caribou and Muskox Monitoring: Movement).
IR	KIA	4		Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 13.3.3, 11.7.2, 11.7.3, 13.1.4	Updated Volume 6, Section 13.3.3 – Assessment of the Cumulative Effects: Change in Mortality. Acknowledged the uncertainties of the assessment in Section 11.7.2 – Administrative Boundaries, Section 11.7.3 – Technical Boundaries, and Section 13.1.4 – Technical Limitations of the Assessment for Caribou and Muskox, and in the summary conclusions of residual effects.

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IR	KIA	5	a	Tier 3	Appendix 2T - EMS; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan; Appendix 6D - WMMP	Appendix 2T, Section 2.2.2, Appendix 4C, Section 4.0, Appendix 6D, Section 5.1	Updated the WMMP (Appendix 6D) to summarize the Principles of the Monitoring Program (Section 5.1). Those principles include monitoring to verify potential Project effects and reducing uncertainty. Tier 3, Appendix 2T outlines mechanisms to evaluate predictions, monitoring and mitigation.
IR	KIA	5	b	Tier 3	Volume 6 - Terrestrial Environment; Appendix 6D - WMMP	Section 4.1	Incorporated alternative Wildlife Decision Matrix mitigation measures in WMMP
IR	KIA	5	c	Tier 3	Appendix 6D - WMMP	Section 5	Monitoring outlined in WMMP.
IR	KIA	6		Tier 3	Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 4C Section 4.1.2	Details of dust, snow and lichen monitoring are provided in Tier 3, Appendix 4C.
IR	KIA	9		Tier 3	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Section 8.1.1	Discussion of screening calculation for sewage discharge added to Tier 2 Volume 5 Section 8.1.1
IR	KIA	10		Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Volume 5, Appendix 5L all sections	Changes to the Fisheries Act (2012). A Conceptual Offset Plan is provided in Tier 3, Appendix 5L.
IR	KIA	11		Tier 3	Appendix 5K - Water Balance	Tier 3 Volume 5 Appendix 5K	No EIS text revision required to meet conformity
IR	KIA	12	1 - 4	Tier 1	Appendix 1E Cumulative and Transboundary	Technical Appendix 1E	Updated Project Inclusion List and Supporting Text
IR	KIA	12		Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E	Updated Project Inclusion List and supporting text
IR	KIA	13		Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Section 8.4-1; Table 8.4-1	Updated Table 8.4-1 to indicate that changes to WQ are reversible.
IR	KIA	14		Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Appendix 3A - Engage Docs; Appendix 3C - Community Involvement	Appendix 3C Section 5.4 Tier 2 Volume 3 Part 2 Attachment A	How AREVA strives for meaningful consultation is described in section 5.4 of Tier 3 Appendix 3C. An IQ and engagement roadmap has been added. Refer to Attachment A to Tier 2 Volume 3 Part 2.
IR	KIA	15		Tier 3	Appendix 2R - Decommissioning	6.2.2	The use of pre-development background dose rates in the development of decommissioning criteria is identified with comment that ALARA principle ensures that there is incremental benefit with incremental expenditure.
IR	KIA	16		Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Figures 3.2-3a to 3.2-3c, Section 3.2	Figures 3.2-3a to 3.2-3c were added to Appendix 5D to show the hydraulic conductivity profile for each hydrostratigraphic unit with depth, along with observations from tests where available.
IR	KIA	17		Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2H - Ore Storage; Appendix 2I - Water Management Plan	Volume 2 Sections 14.2.2, 9.5.3, 9.5.3.4, 9.6.3.4, 9.5.2.1 , 11.2.2, 14.2.3, 14.2.6, 9.5.2, 9.4; Appendix 2I Section 4.2.2, 4.3.4, 5.2.3, 5.3.3; Appendix 2H Section 2.1	An overview of the industrial and contaminated landfill areas is provided in Volume 2 Section 14.2.2 A description of lined WTP facilities is presented Volume 2 Sections 9.5.3, 9.5.3.4 and 9.6.3.4. An overview of lined pads used in site drainage is presented in Volume 2 Section 9.5.2 and 9.5.2.1. A description of liner design for the tank farm is presented in Volume 2 Section 11.2.2. Secondary containment used for hazardous materials storage area is discussed in Volume 2 Section 14.2.3. A description of liner design for the landfarm is provided in Volume 2 Section 14.2.6; Use of unlined channels to isolate freshwater runoff is discussed in Volume 2 Section 9.4. Design of the ore pad and sedimentation pond liner is presented in Appendix 2H Section 2.1. A summary of the use of lined ponds used in the process of water treatment is provided in Appendix 2I Sections 4.2.2, 4.3.4, 5.2.3, 5.3.3.
IR	KIA	18		Tier 2; Tier 3	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6.2.1.5.6 and 6.2.1.4; Tier 3, Appendix 5O	New Appendix 5O Sediment and Erosion Control Plan added
IR	KIA	19		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.1	Truck configurations are addressed in Volume 2 Section 10.4.1
IR	KIA	20		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 7.5.3	Resin attrition is addressed in Volume 2 section 7.5.3 Used TR 2.6.3 response as it is more detailed
IR	KIA	21		Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 9 Part 1 - Socio-Economic Environment	Volume 2 Section 18.1; Volume 9 Section 6.3.1 and Attachment B	Employment expectations for Inuit content are addressed in Volume 2 Section 18.1. Volume 9 Attachment B includes a labour force analysis that concludes a 50% Inuit employment rate during construction is achievable if project turnover rates are not excessive.
IR	KIA	22		Tier 3	Appendix 2J - Marine Transport	Appendix 2J, Section 3.5.4	Information added to Section 3.5 regarding vessel type and capacity when transiting the Narrows.
IR	KIA	23		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section Conversion Factors	New section added to Volume 2 outlining the conversion factors
IR	KIA	24		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2, Figure 4.5-1	Volume 2, Figure 4.5-1 was updated with information from Tier 2 Volume 2 Section 20

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IR	KIA	25		Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan; Technical Appendix 5F - Mine Rock Characterization and Management	Volume 2 Section 6 Table 6.5-1, Section 5.3, 6.3; Appendix 2D Section 5, Appendix 4C Section 2.2; Appendix 5F Section 6	The volumes of all waste rock resulting from both the Kiggavik Site and the Sissons Site are listed in Volume 2, Section 6, Table 6.5-1. How the waste rock is segregated is described in Volume 2, Section 6.3 as well as Appendix 5F Section 6. Ore stockpile size is addressed in Appendix 2H Section 2.1 and Volume 2 Section 5.3 Mitigation measures for stockpiles include ;the design of ore pads and ponds. Details on Pad and pond design are presented in Appendix 2D Section 5. Air Quality mitigation measures for stockpiles are presented in Appendix 4 Section 2.2
IR	KIA	26		Tier 3	Appendix 2H - Ore Storage; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 2H Section 4.3	Dust management and feasibility of covering ore stockpiles is discussed in Appendix 2H Section 4.3
IR	KIA	27	1	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management; Technical Appendix 5J - Tailings Characterization and Management	Appendix 5F, Attachment F	Experience in decommissioning at Cluff Lake is integrated into Preliminary Decommissioning Plan, Mine Rock, and Tailings management documents.
IR	KIA	27	2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 8.1	Water addition requirements for the TMF are addressed in Volume 2 Section 8.1
IR	KIA	28		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 9.5.3.4, 9.6.3.4	AREVA's experience with discharge pipelines is addressed in Volume 2 Section 9.5.3.4 and 9.6.3.4
IR	KIA	29	a, b, & c	Tier 3	Appendix 2J - Marine Transport	Appendix 2J, Section 3.3.3	Assessment Basis with estimated annual supply requirements has been updated. Tier 3, Technical Appendix 2J revised to reflect updated amounts.
IR	KIA	30		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 5.3	Table 5.3-1 has been updated from the IR response to correct incorrect mining tonnages presented for End Grid in the last two years of mining, to add missing information, and to adjust the final year milling tonnage to have processed all ore at the end of mining. These changes are within the assessment basis and do not change the significance determination of the Project. A revised Table 5.3-1 has been included in the FEIS.
IR	KIA	31	1	Tier 1	Technical Appendix 1D-III	n/a	A dewatering plan will be prepared as part of the detail design for the Andrew Lake Pit Dewatering Structure to prevent or minimize suspended solids discharge to the environment.
IR	KIA	31	2	Tier 3	Technical Appendix 1D-III; Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Volume 2F Section 6	Prior to licensing, a detailed design of the dewatering structure will be completed and will evaluate the availability and further evaluate the geotechnical properties of the till core materials to ensure their suitability.
IR	KIA	31	3	Tier 3	Technical Appendix 1D-III; Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Appendix 2F Section 6	The final design for the dewatering structure will be completed prior to licensing and construction and will be based on the results of the geotechnical studies proposed in Volume 2F Section 6.
IR	KIA	32		Tier 1	Volume 1	Volume 1 Section 1.8.3	The Water Compensation Agreement with the KIA has been added to Table 1.8-1 in FEIS Tier 1, Volume 1, Main Document, Section 1.8.3 to be consistent with its inclusion in Table 2.3-3, found in FEIS Tier 2, Volume 2, Project Description and Assessment Basis, Section 2.3.5
IR	LKDFN	1	1	Tier 2	Volume 6 - Terrestrial Environment	9.3.3	The evaluation of the vegetation - caribou foodchain is provided in Tier 3, Appendix 8A
IR	LKDFN	2	1	Tier 3	Appendix 8A - EHHRA	n/a	No changes required in the EIS to meet conformity.
IR	LKDFN	3	1	Tier 2	Appendix 6D - WMMP	Section 5	Updated the WMMP (Appendix 6D) to reflect AREVA's commitment to supporting regional-level monitoring efforts that extend beyond the Project footprint.
IR	LKDFN	4	1	Tier 2	Volume 6 - Terrestrial Environment	Section 13.3.4	Updated the Project Inclusion List in Tier 1, Appendix 1E – Cumulative and Transboundary Effects, and included an estimate of habitat loss from exploration projects. That habitat loss was considered in Tier 2, Volume 6, Section 13.3.4 – Assessment of the Cumulative Effects: Change in Habitat Availability.
IR	LKDFN	5	1	Tier 2	Volume 6 - Terrestrial Environment	Section 13.2.2	Updated Tier 2, Volume 6, Section 13.2.2 – Assessment of Change in Caribou and Muskox Habitat Availability, that considered direct loss of habitat from the Project footprint and indirect loss of habitat from sensory disturbance or other less understood mechanisms, such as dust.
IR	LKDFN	6	1	Tier 3	Appendix 6D - WMMP	Section 5	Updated the WMMP (Appendix 6D) to reflect AREVA's commitment to supporting regional-level monitoring efforts that extend beyond the Project footprint.
IR	LKDFN	7	1	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Sections 13.1.4, 13.2.3	Enhanced the discussion on the technical limitations of the assessment for caribou (Tier 2, Volume 6, Section 13.1.4 - Technical Limitations of the Assessment for Caribou and Muskox). The analytical methods sections outline data used in the assessment (but sometimes only the collar data provided data suitable for quantitative analyses).
IR	LKDFN	8	1	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.2.3.3	Acknowledged the risk of wildlife entanglement in fences in Tier 2, Volume 6, Section 13.2.2.3 - (Effect Mechanism and Linkages for Change in Movement). That section provides details on the type of snow fencing that will be used to prevent entanglement. The location of snow fences was in the DEIS Tier 2, Volume 2 (Project Description) Section 4.4.2, Figure 4.4-1 and Section 4.4.3, Figure 4.4-3. Minimal fencing will be used to avoid interaction with wildlife.
IR	LKDFN	9	1	Tier 2	Volume 6 - Terrestrial Environment; Volume 8 - Human Health	n/a	Volume 6 addresses impacts on the terrestrial environment, including terrestrial mammals. Volume 8 addresses ecological and human health risks.

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IR	LKDFN	10	1	Tier 2	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Tier 2 Volume 3 Part 1 section 4.5	IR response clarified that more recent harvest location statistics collected as part of the Nunavut Wildlife Harvest (NWMB 2005) and the ongoing AREVA/AEM Hunter Harvest Study (HHS) indicate that relatively few caribou have been harvested west of the Thelon River in the last decade by Baker Lake hunters. AREVA acknowledges that hunting does occur west of the Thelon by some Baker Lake residents and also by other communities and individuals. AREVA's engagement outside of Nunavut in provided in Volume 3.
IR	Makita	4		Tier 1	Volume 1	n/a	Source for GHG lifecycle emissions came from a publication of the World Nuclear Association and is now properly cited.
IR	Makita	5	1	Tier 2; Tier 3	Appendix 2M - Road Management; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Appendix 2M Section 5.1, Attachment A; Appendix 4C Section 4.1	Dust mitigation is addressed in Appendix 2M Section 5.1,and Attachment A, Proposed dust monitoring is detailed is Appendix 4C Section 4.1
IR	Makita	5	2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 8.1	Volume 2 Section 8.1 clarifies that the mill will not start until a tailings facility is available.
IR	Makita	6		Tier 3	Volume 3 Part 1 - Engagement; Appendix 3C - Community Involvement	Appendix 3C Section 6.1.3	Further details added in Tier 3 Appendix 3C section 6.1.3
IR	Makita	7		Tier 2	Volume 2 - Project Description and Assessment Basis; Appendix 2R - Decommissioning	Volume 2 Section 13.6	The Institutional Control Program is addressed in Volume 2 Section 13.6
IR	Makita	8	1 - 8	Tier 2; Tier 3	Volume 3 Part 1 - Engagement; Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Technical Appendix 9A Section 4.1 and Volume 9 Section 4. Volume 3 Part 2 section 3.6 and Figure 3.6-1, 3.6-2. Tier 3 Volume 3 Appendix 3A Part 1 and Part 2.	NIRB determined the request did not request a response if confidentiality would be compromised (NIRB correspondence to AREVA on July 13, 2012 Appendix B - Information Requests Identified by the NIRB as Not Requiring a Response) Methodology sections in Volume 9 Section 4 and Technical Appendix 9A Section 4.1 describe participation of Inuit in data collection and how that input was used.
IR	Makita	9	1 - 5	Tier 1; Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis	Volume 1 1.3.1; Volume 2 Section 18.5	IR response directed reviewer to non-confidential financial information provided in the EIS and response to IR-GNDoF-51 for related response related to taxes.
IR	Makita	9	6	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 11.1, 11.2, 11.3	At the time of the preparation of the DEIS, there was some evidence of more than expected rapid population growth in Baker Lake and Rankin Inlet in 2009 and 2010, coincident with the start of Meadowbank operations. There is less evidence of this now – revised data show Baker Lake population growth rates within expected ranges in the absence of Meadowbank. The FEIS has been revised accordingly.
IR	Makita	9	7 & 8	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 13.1.1	Section 13.1.1, notes that the model is not able to address employment levels by ethnicity, but only by place of employment. The expectation that many of these 'jobs in Nunavut' would be taken up by non-residents is identified as a potential source of overestimation of project effects on the economy of Nunavut; however, there are also a number of other sources of both overestimation and underestimation. This information is available in the noted section.
IR	Makita	9		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 18.5	NIRB correspondence to AREVA on July 13, 2012 Appendix B - Information Requests Identified by the NIRB as Not Requiring a Response or information that it reasonably considers to be confidential or that raises a privacy concern. Non-confidential financial information provided in section noted.
IR	Makita	9		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 18.5	The latest feasibility study completed for the Kiggavik Project was in November 2011. The study assessed the technical and economic viability of developing and operating a uranium mine and mill site in the Kiggavik area and estimated the capital cost of the Project at $2.1 billion and the operating cost at $240 million per year. This initial feasibility study will be updated and refined prior to a development decision.
IR	Makita	9		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 18.5	No revisions were required to Volume 2 to meet conformity. Available financial information if provided in section noted.
IR	Makita	10	1	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections: 5.2.2, 8.1.2, 8.1.5, 8.2, 11.1.4, and 12.1.4	IR response addresses the request for a comparative study with Meadowbank including request for data not available. Pertinent publicly available data has been incorporated throughout the EIS including employment, in-migration, possible closure dates and other updates in the sections noted. Confidential or unreleased data from Meadowbanks cannot be included. Additional data available at time of FEIS preparation is presented in Tier 2 Volume 9 Summary of baseline.
IR	Makita	10	2	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections: 5.2.2, 8.1.2, 8.1.5, 8.2, 11.1.4, and 12.1.4	See response to IR-Makita10.1; new information included as available and relevant.
IR	Makita	11	1	Not Integrated into FEIS	Not Integrated into FEIS	n/a	NIRB determined the request was outside the scope of the NIRB review. Detail requested in this IR is not publicly reported.
IR	Makita	11	2	Not Integrated into FEIS	Not Integrated into FEIS	n/a	NIRB determined request was outside the scope of the review (NIRB correspondence to AREVA on July 13, 2012 Appendix B - Information Requests Identified by the NIRB as Not Requiring a Response) and detail requested in this IR is not publicly reported.
IR	Makita	12		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.3.7 and 10.1.2	With regard to the specific issues of violence against women, STI infection rates and sex work, there are not only no baseline data at the community level and no gender disaggregated baseline data, but also no data that would permit an assessment of the effects of one mining project specifically. Section 6.3.7 notes AREVA's preparedness to work with communities to address community level needs.
IR	Makita	13	1 - 2	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 7.2; 6.5	

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IR	Makita	14		Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 10	IR response clarified that the adjective 'poor' with use in poor choice is an acknowledgement that the choices people make, as a result of whatever factor or combination of factors, can have negative consequences, for themselves and those around them. Thus it is not that a negative impact is a personal fault in some cases and not in others, but only that a negative impact can arise from a number of causes and that personal choice is an element to consider in understanding cause.
IR	Makita	15	1 - 5	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.3.4, 6.3.5, and 10 (10.1.2)	AREVA has cross referenced mitigation included in Volume 9 and that suggested for proponents in the Pauktuutit report (2014) and included in Section 10.1.2 the addition of training for women on workers' rights and other mitigation that may be identified through engagement with or future reports by Pauktuutit that can be included on future revisions of the Human Resources Development Plan. AREVA commits to liaise with community groups in Nunavut for their expertise in sexual health initiatives and will follow Canadian Human Rights legislation, Canada Labour Code and Canadian Labour Law.
IR	Makita	16	1 - 2	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.3.1 and 7.3.1.2	Positions of informal counseling on site may include peers, elders (or equivalent), Occupational Health Nurse, HR Advisors, and the possible involvement of other experienced or respected local community members. Confidentiality and the following of company policy will be upheld on the Project site. Given that the service provider of the EFAP has not yet been determined for the Kiggavik Project, program specifics are not currently known. Confidentiality will be a mandatory expectation of the EFAP provider hired by AREVA. Community and employee feedback will be solicited and used to continually improve programs. Additional related information is provided in the added section 7.3.1.2 that describes workforce support provided at AREVA's Saskatchewan operations and how it may be applied in Nunavut.
IR	Makita	17	1	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.3.8	Added text related to compensation has been included to Section 6.3.8. The Kiggavik Project has been designed to realize a profit for the owners and benefits for Nunavummiut in particular without a compromise to ecosystem integrity or human health.
IR	Makita	18	1	Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Technical Appendix 9A Sections: 4.2.3.4; 4.2.5; 4.2.7; and Volume 9 Sections: 5.2.2.; 8.1.2; 8.1.3	IR response directed reviewer to full discussions in three related sections in Technical Appendix 9A and an additional three related sections in Volume 9 as listed.
IR	Makita	18	2	Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Technical Appendix 9A Sections: 4.2.3.4; 4.2.5; 4.2.7; and Volume 9 Sections: 5.2.2.; 8.1.2; 8.1.3	IR response directed reviewer to full discussions in related sections in Technical Appendix 9A and related sections in Volume 9 as listed.
IR	Makita	18	3	Tier 2; Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Technical Appendix 9A - Socio-Economic Baseline	Technical Appendix 9A Attachment C; Volume 9 Section 10.1.2	IR response addressed the request regarding alcohol abuse. Related concerns raised in the 2012 open house tour of the Kivalliq Region have been added to Section 10.1.2.
IR	Makita	18	4	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 10.1.8	IR response directs reader to Section 10.1.8 for additional context to the quote selected for the IR request.
IR	Makita	20	1	Not Integrated into FEIS	Not Integrated into FEIS	n/a	Cesium is not generated by the project so is not within the scope of the assessment. Caribou studies involving cesium exposure are available in literature: P. Thomas, Doses from Radionuclides in Caribou Tissues, prepared for Environment Canada, February 1999.
IR	Makita	23	5	Tier 2	Volume 3 Part 1 - Engagement	Volume 3 part 1 Section 4.4.6	A section on Project Satisfaction has been added in Tier 2 Volume 3 Part 1 section 4.4.6
IR	Makita	1, 2, 3		Tier 2	Volume 3 Part 2 - IQ; Volume 4 Part 1 - Air Quality and Climate; Volume 4 Part 2 - Noise Vibration; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 8 - Human Health; Volume 9 Part 2 - Heritage Resources; Volume 9 Part 1 - Socio-Economic Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment	Provided as external notes and comments to this IR item.	Information on Technical Boundaries (Makita-1) can be found in the following Tier 2 documents: Volume 4, Part A Section 4.7; Volume 4 Part B Section 4.7; Volume 5 Section 10.1.3, 11.1.3; Volume 6 Section 5.6.3, 11.7.3, 13.1.4, 14.1.4,15.1.4, 16.1.4,17.1.4; Volume 7 Section 4.7, 6.2.2.1, 6.2.2.3, 7.2.1.3, Volume 8 Section 6.3.6, 7.2.6; Volume 9 Part 1 Appendix 9A Section 4.1.5.2; Volume 9 Part 2 Section 5.1. Information on the use and influence of IQ (Makita-2) can be found in the following Tier 2 documents: Volume 4 Part A Section 3.2.7, 4.1, 4.10; Volume 4 Part B Section 3.2.7, 4.1, 4.10; Volume 5 Section 4.1.1; Volume 6 Section 5.1, 5.2, 7.1.5, 11.1, 11.2, 11.3, Volume 7 Section 4.9, 4.10, 6.1.1, 7.1.1; Volume 8 Section 3.2.7, 5.1, 5.3.7, 6.1, 6.3.9, 7.1, 7.2.10; Volume 9 Part 1 Section 4.1, 4.7, 4.8; Volume 9 Part 2 Section 3.2.7, 4.10. Information on Significance standards and thresholds (Makita-3) can be found in the following Tier 2 documents: Volume 4 Part A Section 3.2.6, 4.8, 4.9; Volume 4 Part B Section 4.8, 4.9; Volume 5 Section 6.1, 7.1.3, 7.1.4, 8.1.3, 8.1.4, 9.1.3, 9.1.4, 10.1.4, 10.1.5, 11.1.4, 11.1.5; Volume 6 Section 7.1.3, 7.1.4, Table 8.1-3, Table 9.1-3; 11.9, 13.1.3, 14.1.3, 15.1.3, 16.1.3, 17.1.3; Volume 7 Section 3.2.6, 4.8, 6.1.2, 7.1.2; Volume 8 Section 5.3.6, 6.3.8, 7.2.8, 7.2.9; Volume 9 Part 1 Section 4.6; Volume 9 Part 2 Section 3.3.5, 3.4.6, 4.8, 6.1.5.
IR	NIRB	1	a	Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis; Volume 9 Part 2 - Heritage Resources; Technical Appendix 2K - Winter Road Report	Volume 1 Section 1.1; Volume 2 Section 4.2.3, 4.5, 10.4.2, 10.4.3, 10.4.4, 10.5.1, 10.5.2, 10.6.1.1, 20.1, 20.1.2, 20.1.9, 20.2.2, Appendix 2K Section 1.1; Appendix 2L Section 1.1	Project life is addressed in Volume 1 Section 1.1 and Volume 2 Sections 4.5 and 20.1.2. YC transport is addressed in Volume 2 Sections 4.2.3, 10.6.1.1, 20.1.9 and 20.2.2 and Appendix 2K Section 1.1, Appendix 2L Section 1.1 Road routing is addressed in Volume 2 Sections 10.4.2 and 20.1 Road descriptions are provided in Volume 2 Sections 10.4.3, 10.4.4, 10.5.1, and 10.5.2
IR	NIRB	2		Tier 1	Volume 1	Appendix 1D	A table that lists the valued ecosystemic and socio-economic components and key indicators as presented in the IR response integrated into Appendix 1D to Volume 1.
IR	NIRB	3		Tier 2	Volume 3 Part 1 - Engagement; Appendix 3A - Engage Docs	Tier 2 Volume 3 Part 1 Section 4.4.6	Refer to Tier 2 Volume 3 Part 1 Section 4.4.6 for a discussion on project satisfaction.

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IR	NIRB	4	a	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.2	Road options are presented in Volume 2 Section 10.4.2
IR	NIRB	4	b	Tier 2	Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 4.2.5 and Figure 4.2-5 Technical Appendix 1F	Identified travel routes is provided in Tier 2 Volume 3 Part 2 section 4.2.5 and Figure 4.2.5. Appendix 1F has been added and provides a description on the Inuit use of the land.
IR	NIRB	5		Tier 1; Tier 2; Tier 3	Volume 1; Volume 2 - Project Description and Assessment Basis	Volume 1 Section 2.6.1.2 (removed); Volume 2 Section 5.4.6.3 (removed); Volume 2 Section 4.3.2 (mentioned); Technical Appendix 2A Addendum Section 2.12 (mentioned)	Currently, AREVA is not currently considering jet-boring technology at the Kiggavik site and has removed text referring to it in Volume 1 and Volume 2. For completeness, it is mentioned in the Alternatives Assessment of Volume 2 Section 4.3.2 and Technical Appendix 2A.
IR	NIRB	6	a and b	Tier 3	Appendix 2T - EMS	Technical Appendix 2T Section 4	Information on AREVA's Integrated Management System is included in Technical Appendix 2T.
IR	NIRB	7		Tier 3	Appendix 2J - Marine Transport	Section 3.3.2	Clarification of the estimated maximum number of barge trips for the annual Kiggavik Project sealift is provided in Table 3.3-1 and accompanying text. Table 3.3-1 indicates the estimated maximum number of barge trips by year, month, week, and day.
IR	NIRB	8		Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 2K - Winter Road Report	Volume 2 Section 10.4.3, 20.1 Appendix 2K Section 4.2	North winter road is no longer an option in the FEIS. Volume 2 (Section 10.4.3, 20.1) notes the preferred road option as the winter road. Winter road report revised to show preferred option only.
IR	NIRB	9	a	Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment	Volume 4 Part 1 - Air Quality and Climate Section 6.1.4.2; Appendix 4B Section 4.2.1.1 and 4.2.1.3	The emissions burden analysis for the construction of the mine was revised to assess emissions from operations of the Baker Lake Dock and the Winter Road during the construction. This analysis showed that emissions from all activities during construction are less than maximum operations. As a result, no additional modelling was completed. An emissions burden analysis for the construction of the Baker Lake Dock Facility was also integrated (not previously considered in DEIS).
IR	NIRB	9	b	Tier 2	Volume 4 Part 1 - Air Quality and Climate	Volume 4 Part 1 Section 6.1.4.2	The emissions burden analysis for the construction of the mine was revised to assess emissions from operations of the Baker Lake Dock and the Winter Road during the construction. This analysis showed that emissions from all activities during construction are less than maximum operations. As a result, no additional modelling was completed. An emissions burden analysis for the construction of the Baker Lake Dock Facility was also integrated (not previously considered in DEIS).
IR	NIRB	10		Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment	Volume 4 Part 1 - Air Quality and Climate Section 6.1.4.3; Appendix 4B Section 6.3	Additional detail provided in text to explain model results.
IR	NIRB	11		Tier 2	Volume 4 Part 2 - Noise Vibration	n/a	Integration not required
IR	NIRB	12		Tier 2	Volume 4 Part 2 - Noise Vibration	n/a	Integration not required
IR	NIRB	13	a	Tier 3	Appendix 5M - Aquatic Effects Monitoring	Tier 3, Appendix 5M - 6.3, 6.5; Tier 3, Appendix 5P	Tier 3 Appendix 5M updated to explain that the reference areas will be determined during the EEM study design. Information about Siamese Lake can also be found in Tier 3 Appendix 5P.
IR	NIRB	13	b	Tier 3	Appendix 5M - Aquatic Effects Monitoring	Tier 3, Appendix 5M - 6.3, 6.5	Tier 3 Appendix 5M updated to explain that the second reference area will be determined during the EEM study design and that the exposure area in Judge Sissons Lake is expected to be isolated. .
IR	NIRB	14	a	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Tier 2, Volume 5 - Section 5.3; Tier 3, Appendix 5C - Attachment X.I	New figures X.I-1A to E, X.I-2A to C and X.1-2 A to C have been integrated to the Appendix 5C. New figures 5.3-1A to E and 5.3-2A to C have been integrated to the FEIS report.
IR	NIRB	14	b	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Information is already included here: Tier 3, Volume 5 - Section 5.3; Tier 3, Appendix 5C - Attachment X.I; Tier 2, Volume 2, Sections 4.3.2 and 10.6.2	New Figure X.I-3 has been integrated to the Appendix 5C. New Figure 5.3-3 has been integrated to the FEIS report.
IR	NIRB	15		Tier 2	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Tier 3, Volume 5, Appendix 5C, Figures X.IX-1a to X.IX.3a:	Although a number of airstrip locations were considered during earlier phases of the Project, such as baseline work and alternatives assessment, only the Pointer Lake Airstrip was carried forward and included in the assessments.
IR	NIRB	16		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.3.5	Dock site options are discussed in Volume 2 Section 10.3.5
IR	NIRB	17	a	Tier 3	Appendix 5C - Aquatics Baseline	Tier 3, Appendix 5C - Section 1.3	Appendix 5C states that the aquatic sampling program evolved over time as the Project progressed.
IR	NIRB	17	b	Tier 3	Appendix 5C - Aquatics Baseline	Tier 3, Appendix 5C - Section 7 (Tables 7.0-1 and 7.0-2)	Information on benthic invertebrate sampling is in Appendix 5C.
IR	NIRB	18		Tier 2	Volume 6 - Terrestrial Environment	5.6	Revisions made to Volume 6 to clarify interaction of air emissions from incineration of burnable refuse and waste with soil and vegetation was 1.
IR	NIRB	19		Tier 2	Volume 6 - Terrestrial Environment	6.3.1	Defined listed species in Tier 2, Volume 6, Section 6.3.1.
IR	NIRB	20	1 and 2	Tier 3	Technical Appendix 10A - Transportation Risk Assessment	6.2.5	Discussion and calculations provided to consider a release during the winter season.

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IR	NRCan	1		Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 6.3; 20.1.3	Type 1 waste rock is discussed in Volume 2, Section 6.3. Project footprint is addressed in Volume 2 Section 20.1.3
IR	NRCan	2	a	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.2	Use of the winter road for the first few years of operation is addressed in Volume 2, Section 10.4.2
IR	NRCan	2	b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.2	Use of the winter road for the first few years of operation is addressed in Volume 2, Section 10.4.2
IR	NRCan	3	a	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.3.4	Information about weather modelling and temperature monitoring incorporated into Volume 2, Section 10.4.3.4
IR	NRCan	3	b	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.4.3.4	Information about weather modelling and temperature monitoring incorporated into Volume 2, Section 10.4.3.4
IR	NRCan	4		Tier 3	Technical Appendix 6A - Surficial Geology and Terrain Baseline	Appendix 6A Attachment D	Temperature profiles of the ground thermal regime are presented in Appendix 6A, Attachment D
IR	NRCan	5		Tier 3	Technical Appendix 6A - Surficial Geology and Terrain Baseline	Appendix 6A Section 4.1.5; Attachment A	Geotechnical borehole logs are presented in Appendix 6A, Attachment A Suitability of ground ice content assumptions is addressed in Appendix 6A Section 4.1.5
IR	NRCan	6	1	Not Integrated into FEIS	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds	n/a	It was clarified during the Information requests that frozen conditions are not relied upon for containment in drainage ponds or channels.
IR	NRCan	6	2	Tier 3	Appendix 2E - Water Diversion	Appendix 2E Section 7.3	Design considerations for freshwater diversion channels are presented in Appendix 2E Section 7.3
IR	NRCan	7	1	Tier 3	Appendix 4A - Climate Baseline	Tier 3 Appendix 4A Section 4.3.2	Paragraph added in PMP section of App 4A to justify the use of Baker Lake data in the calculation of a PMP for the site.
IR	NRCan	7	2	Tier 2	Volume 5 - Aquatic Environment	Tier 2, Volume 5, Section 6.2.1.1.1	Paragraph added to describe how multiple methods and conservative assumptions were used to address uncertainty in flood and low flow estimates
IR	NRCan	8	1	Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline	Appendix 5B Section 4.2.3.3	On average there were 124 fractures per hole in the eight holes logged at End Grid that are displayed in Appendix 5B, Figure 4.2-23. The average length of these holes was 395m. No bias correction was applied to these measurements. Fracture dip angles were recorded. This information was added to Appendix 5B Section 4.2.3.3.
IR	NRCan	8	10	Tier 3	Appendix 4A - Climate Baseline; Technical Appendix 5E - Prediction of Water Inflows to Kiggavik Project Mines	Appendix 5E Section 3.1, Appendix 4A Section 5.2.6	The value of 182.5 mm/yr for evaporation is derived using Equation 8 in Appendix 4A, Section 5.2.6 by month and is consistent with the information provided in the Appendix 4A and similar to the other methods described in Appendix 5E.
IR	NRCan	8	11	Tier 3	Technical Appendix 1D-III	n/a	The interception of the water in the top 1.5m of the active layer around the open pits and is a design feature that will be defined through the detailed site design.
IR	NRCan	8	2	Tier 3	Technical Appendix 5B - Geology and Hydrogeology Baseline; Technical Appendix 5D - Groundwater Flow Model	Appendix 5B Table 8.1-1, Appendix 5D Figure 3.3-4	Groundwater levels have only been measured at four locations, as summarized in DEIS Tier 3, Volume 5, Aquatic Environment, Appendix 5B, Table 8.1-1. The measurements indicate that artesian conditions prevail at the Kiggavik and Sissons sites, i.e. the underlying aquifer is confined and the hydraulic head is above ground level. Appendix 5D, Figure 3.3-4 provides a simulation of the piezometric distribution in plan view. The hydraulic heads were not drawn on the figures because of the limited number of measurements at each site and limited number of repeat measurements.
IR	NRCan	8	3	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5B Table 7.2-1	Appendix 5B. Table 7.2-1 lists all the drillholes tested for K test and associated unit names, Table 8.1-1 summarizes the groundwater level observation. The respective logs for each drillhole will be added to the Appendix 5B.
IR	NRCan	8	4	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 3.3, Figure 3.3-4	Appendix 5D, Figure 3.3-4 shows locations where the hydraulic head is expected to be above ground level, i.e. artesian conditions prevail. In locations where the hydraulic head is predicted to be below ground level the predicted head is still above the base of the permafrost making the aquifer confined.
IR	NRCan	8	5	Tier 3	Technical Appendix 5D - Groundwater Flow Model; Not Integrated into FEIS	NA	Long-term pumping tests were not conducted because approval to discharge water from flowing boreholes has not been permitted by the Nunavut Water Board at the Kiggavik site. During drilling campaigns, artesian boreholes were required to be immediately sealed and capped. In 2012, AREVA was successful in getting permission to continue to drill when artesian conditions exist provided a number of conditions were met to protect the environment. AREVA looks forward to working with regulators to find solutions to drilling and conducting hydrogeologic testing (such as pumping tests) to provide valuable information about the groundwater system while being protective of the environment.
IR	NRCan	8	6	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5B Section 2.5.2	There are no additional groundwater level measurements other than what has been listed in DEIS Tier 3, Volume 5, Aquatic Environment, Appendix 5D, Table 3.2-2 that could validate the assumption that the groundwater flow can be defined on the basis of topography. The assumption that taliks formed by lakes are well connected to the groundwater below the permafrost is the main justification for the assumption. (Appendix 5B Section 2.5.2)
IR	NRCan	8	7	Tier 3	Technical Appendix 5D - Groundwater Flow Model; Technical Appendix 5E - Prediction of Water Inflows to Kiggavik Project Mines	Appendix 5E Section 2.5, Appendix 5D section 3.2.2	It is correct that the effective porosity and specific storage values could be refined to better represent the storage properties of overburden (Appendix 5D Section 3.2.2); however it is important to acknowledge that the current models are not sensitive to these parameters. The current conditions and predictive models to assess flow directions were run steady state therefore storage has no effect to the predictions. The pit inflow models were run under transient conditions and the active layer contribution will be negligible and only occur during summer. The model results show the maximum infows in Appendix 5E Section 2.5 and associated mainly with the subvertical faults that pass through the mine.

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IR	NRCan	8	8	Tier 3	Appendix 5E - Prediction Inflow	Appendix 5E Section 3.1	Mining of open pits will occur in both summer and winter. The frost penetration into rocks under the permafrost at later stages of mining in the Andrew Lake pit and Main Zone pit have not been simulated and are not relied upon to prevent groundwater inflow to the pits or to provide geotechnical stability. During the summer, the volume of water originating from the thawing bedrock will be small given the low porosity of the bedrock, and consequently have a negligible impact on the overall water transport and water balance within the bedrock. A description each factor included the water balance is provided in Appendix 5E Section3.1 and the following subsections
IR	NRCan	8	9	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 5.3	A specific storage value of 1x10-4 (1/m) is somewhat high for a confined aquifer. This value is used only for the two dimensional fault elements included at the base of the pits.. Additional testing of the hydraulic properties of the faulted basement rock will be conducted as part of the monitoring and followup programs to better quantify the properties and improve the groundwater model. (Appendix 5D Section 5.3)
IR	NRCan	9	1	Tier 2	Technical Appendix 5D - Groundwater Flow Model	Volume 5 Section 7.4.1.2	The active layer will deepen marginally in response to the assumed 5 degree warming trend; however, the majority of the permafrost degradation occurs at the base of the permafrost.
IR	NRCan	9	2	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 3.1.4.	The model domain was made as large as practical to allow the model to calculate groundwater flow divides that may or may not mimic topography divides. Appendix 5D Section 3.1.4 provides the description of these boundaries.
IR	NRCan	9	3	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 3.2.2	The vertical anisotropy information does not come from borehole geophysics. It is based on observed hydraulic conductivity distributions with depth, showing a negative trend as depth is increased. It is also consistent with the assumption that fractures tend to close with depth: a concept which is well accepted in the scientific community. Appendix 5D Section 3.2.2 describes this with reference to other sites in the Canadian Shield.
IR	NRCan	9	4	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Figure 3.3-1 and Appendix 5D Attachment A	A piezometric map is provided in Appendix 5D, Figure 3.3-1 that represents the calibrated groundwater model and adequately matches the observations of hydraulic head. Thermal analysis of Pointer lake was also undertaken to demonstrate the presence of a Talik under Pointer Lake (Appendix 5D Attachment A). The elevation of Pointer Lake and Judge Scissions Lake relative to other lakes with taliks and the presence of taliks under these lakes justify the results of the numerical model that identify them as groundwater discharge locations.
IR	NRCan	9	5	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 3.1.1	Saturated unsaturated conditions are relevant only for the no-permafrost scenario. In the case of the numerical model developed using the FEFLOW software, the parameters for unsaturated conditions were considered to be uncertain and difficult to validate. At the scale of the study, saturated conditions were considered to correctly reproduce the natural groundwater flow directions and predict pit inflows for the pre-mining and mining scenarios under the current permafrost conditions. In the case of the numerical model developed using the MODFLOW software, the default setting for calculating layer transmissivity allows for confined/unconfined conditions. Transmissivity of the layer varies. It is calculated from the saturated thickness and hydraulic conductivity. The storage coefficient may alternate between confined and unconfined values. The MODFLOW model was also run in confined mode for comparison purposes, where the transmissivity and storage coefficients are constant throughout the simulation. In confined mode the MODFLOW piezometric surfaces replicated those calculated by the FEFLOW model. In confined/unconfined mode, differences in piezometric surfaces were seen for the no-permafrost scenario. The MODFLOW model results were considered to be a more realistic representation of the flow regime for the no-permafrost scenario and the associated contaminant transport analysis. The numerical implementation is described in Appendix 5D Section 3.1.1. A discussion of saturated-unsaturated flow in a permafrost environment creates unnecessary confusion regarding model implementation. The text currently in Appendix 5D Section 3.1.1 accurately and adequately describes the numerical implementation.
IR	NRCan	9	6	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Volume 5D Figures	The figures labelled with the appropriate model source are listed below. Figure 3.1-4 (FEFLOW) Figure 3.2-1 (FEFLOW) Figure 3.2-2 (FEFLOW, the MODFLOW results are very close) Figure 3.3-2 (FEFLOW model) Figure 3.3-4 (FEFLOW model) Figure 4.2-1 (FEFLOW) Figure 4.2-2 (FEFLOW) Figure 4.3-6 (MODFLOW model)
IR	NRCan	9	7	Tier 3	Appendix 5E - Prediction Inflow	Appendix 5E Section 2.3	No active pumping was simulated in the model. The modelling simulated groundwater seeping into the pits along unfrozen sections of the pit slope, with water "removed" or "pumped out" from the model as seepage nodes (transfer boundary). Appendix 5E, Section 2.3 describes the type of boundary conditions used to simulate the open pit
IR	NRCan	10	1	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 5.2 and 5.3	Additional hydrogeologic testing will be done in as part of the monitoring and follow up programs as described in Appendix 5D Section 5.2 and 5.3
IR	NRCan	10	2	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Figures 3.2-3a through 3.2-3c	Appendix 5D Figures 3.2-3 a-c have been added to show the ranges of hydraulic conductivities measured and compared to other datasets.
IR	NRCan	10	3	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D, Section 5.3	A discussion of the particle tracking analysis was provided in the IR responses and the hydrogeology follow-up program (Appendix 5D Section 5.2) address uncertainties regarding numerical modelling and the collection of additional data to update models periodically.

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IR	NRCan	11	1	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Sections 5.2 and 5.3	Groundwater monitoring locations are described in Volume 5D Section 5.2 and 5.3. Detailed monitoring plans are develop during licencing.
IR	NRCan	11	2	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Sections 5.2 and 5.3	As discussed in Appendix 5D Section 5.2, the groundwater model is considered to be a "living tool, subject to improvements in both conceptual and numerical parts." During each analysis, conservative assumptions and sensitivity cases were undertaken to provide confidence in the conservativeness of the Project's designs. Appendix 5D also describes future updates to the groundwater model based on monitoring described in Appendix 5D Sections 5.2 and 5.3
IR	TC	1		Tier 3	Appendix 2J - Marine Transport	Sections 3, 3.2, 3.3, 3.5	Vessel types considered are outlined in Technical Appendix 2J, Section 3.
IR	TC	2		Tier 2; Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Appendix 2J - Marine Transport	Appendix 1D. Volume 2 Section 10.3.1; Appendix 2J, Section 3.4	Marine shipping route options are discussed in Appendix 2J, Section 3.4. As the final shipping route has not yet been determined, the potential environmental effects of each route are considered independently in Volume 7 Marine Environment so that these shipping options remain available at the time of licensing.
IR	TC	3		Tier 3	Appendix 2J - Marine Transport; Appendix 10B - Spill Contingency	Appendix 10B, Sections 1 and 5.2.10 Appendix 2J, Section 3.5.2	Additional information on cargo handling equipment and safety measures is provided in Appendix 2J. A discussion on the potential for loss of cargo during marine transport and associated response measures is provided in Appendix 10B.
IR	TC	4		Tier 3	Appendix 2J - Marine Transport	Appendix 2J, Sections 1.2 and 3.6	Vessels used for the Kiggavik Project will be required to comply with all Canadian and International marine regulations and conventions. AREVA will require all vessel operators to have redundant radio communication equipment capable of communicating and coordinating with NORDREG and the Canadian Coast Guard.
IR	TC	5		Tier 3	Appendix 2J - Marine Transport	Sections 3.3 and 4	Reference to Section 5 now refers to Section 3.3. Reference to Section 6.1 now refers to Section 4.
IR	TC	6		Tier 3	Appendix 2J - Marine Transport; Appendix 10B - Spill Contingency	App 10B- Sections 4.3.1.2, 5.2.1 and Attachment A. Appendix 2J- Section 5.3 and 5.5	Information regarding the Oil Pollution Emergency Plan for the proposed Oil Handling Facility is provided that outlines the infrastructure, plans, equipment, training, and procedures that will be required for operations. The OPEP will be finalized at the licensing stage when all necessary details such as vessel type, site layout, and detailed design of the OHF will be available.
IR	TC	7		Tier 3	Appendix 2J - Marine Transport	Section 3.6.1	Pilotage information has been revised for the Port of Churchill.
IR	TC	8		Tier 3	Appendix 2J - Marine Transport	Section 1.2	AREVA notes the provisions of the Arctic Waters Pollution Prevention Act (AWPPA).
IR	TC	9		Tier 2; Tier 3	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 Section 3.4.3, Table 3.4-1. Tier 3 Volume 3 Technical Appendix 3A Part 1	Meeting held with the CLC on June 23, 2014

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Tier 1 Technical Appendix 1A: Conformity Table

Additional FEIS Revisions – Part 1: DEIS Addendum, Technical Comment Responses and AREVA Revisions

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DEIS Addendum, Technical Comment Responses and AREVA Revisions		Final Environmental Impact Statement (FEIS) September 2014			
Type of Revision	**Submission Section or Revision No.**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**
Addendum	2.1	Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis	Volume 2 Section 20	Precautionary approach integrated throughout assessment and presented additionally in Volume 2 Section 20.
Addendum	3.1	Tier 1	Volume 1	Appendix 1G	Conclusions presented in the DEIS addendum integrated into summary conclusion presented as Appendix 1G to Volume 1.
Addendum	3.2	Tier 2; Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Appendix 2R - Decommissioning	Volume 2 Section 13.7; Appendix 2R Section 1.5	Financial assurance is addressed in Volume 2 Section 13.7 and Appendix 2R Section 1.5. AREVA and the JV partners will provide financial assurance as required by the regulatory agencies and the landholder.
Addendum	4.1	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 2.2, 2.3.5.1, 2.3.5.2	The noted sections of Volume 2 present landholder and Project lease information.
Addendum	5.1	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 18.5	Taxes are addressed in Volume 2 Section 18.5
Addendum	5.2	Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis	Volume 2 Section 18.5	The fuel tax rebate is discussed in Volume 2 Section 18.5
Addendum	6.2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 5.3, Table 5.3-1	The production schedule is provided in Volume 2, Section 5.3, Table 5.3-1
Addendum	6.3	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 10B - Spill Contingency	Volume 2: 14.2.2, 14.2.6 Appendix 10B: New sections 6.1.2 and 6.1.3	Landfills are addressed in Volume 2 Section 14.2.2. Landfarms are addressed in Volume 2 Section 14.2.6. New sections 6.1.2 and 6.1.3 in Appendix 10B discuss landfarming and bioremediation.
Addendum	6.7	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Figure 12.7-1	Updated figure 12.7-1 in volume 2 shows known esker locations
Addendum	8.2	Tier 1; Tier 2	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Volume 5 - Aquatic Environment	Volume 2 Section 2.3.5.6,; Volume 5 Table 5.5-16	The Navigable Waters Protection Act has been replaced with the Navigation Protection Act (NPA). Information on the NPA and anticipated approvals required is provided in Volume 2 Section 2.3.5.6. Under the NPA, an exemption by the Governor in Council may be required for the dewatering of Andrew Lake for the development of the Andrew Lake open pit. This is reflected in Volume 2, Table 2.3.5.6 which contains a preliminary summary of works potentially subject to an application under the NPA at the time of Project licensing. Preliminary stream crossing information for culverts and bridges is presented in Volume 5, Table 5.5-16.
Addendum	8.3	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Volume 5 Section 5.2.6, Tier 3 Technical Appendix 5C Table X.II-4	No changes to the FEIS were required to meet conformity. Information on surface water compared to various standards is found in Tier 2 Volume 5 Section 5.2.6 and Technical Appendix 5C Table X.II-4.
Addendum	8.4	Tier 2	Volume 5 - Aquatic Environment	Tier 2 Volume 5 Sections 5.6 and 5.7	Discussion of fourhorn sculpin in in Volume 5, Sections 5.6 and 5.7.
Addendum	8.5	Tier 3	Appendix 7A - Marine Baseline	Appendix 7A, Section 7	This information is contained in Technical Appendix 7A.
Addendum	8.6	Tier 2	Volume 2 - Project Description and Assessment Basis; Appendix 2U - Hazardous Material	Volume 2 Section 11.2.1; Appendix 2U Section 3.1; Appendix 2U Section 3.1.2	Fuel quantities are addressed in Volume 2 Section 11.2.1 and Appendix 2U Section 3.1, 3.1.2
Addendum	8.7	Tier 3	Appendix 10B - Spill Contingency	Section 2 Spills and Section 2.1 Spill Prevention	Spill contingency plan has been updated to transparently address the requirement of the NIRB guidelines related to spills resulting from an accident or malfunction.
Addendum	9.1	Tier 1	Volume 1	Appendix 1D	Addendum material relevant to discussions of when licensing detail information will become available.
Addendum	9.3	Tier 3	Appendix 2J - Marine Transport	Section 3.6.1	Pilotage requirements has been addressed in Appendix 2J Marine Transportation, Section 3.6.1.

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Addendum	9.4	Tier 3	Appendix 2O - Airstrip	Appendix 2O- AREVA Addendum Section 2.1	Airstrip refueling and deicing is addressed in Appendix 2O, AREVA Addendum, Section 2.1
Addendum	9.5	Tier 3	Appendix 9D - Archaeological Mitigation	Appendix 9D-Archaeology Mitigation Plan, Section 1.1Tier 3 Volume 9, Technical Appendix 9 A Attachment D.	Added text in section 1.1 of Tier 3 Appendix 9D and also added a summary on the Thelon in Appendix 9A Attachment D.
Addendum	9.6	Tier 3	Appendix 2R - Decommissioning	4.6	Temporary Closure section has been added to the PDP with additional discussion in Volume 9 regarding socioeconomic aspects.
Addendum	6.1.1	Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.4	Updated power supply alternatives are outlined in Appendix 2A AREVA Addendum Section 2.4
Addendum	6.1.1.1	Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.4.1	Information on wind power with diesel generation is provided in Appendix 2A AREVA Addendum Section 2.4.1. The statement "AREVA will continue to monitor the feasibility and effectiveness of this power supply" has been replaced with "AREVA may consider wind power as an alternative in the future depending on technological advancements in the industry"
Addendum	6.1.1.2	Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.4.2	Information on solar energy is provided in Appendix 2A AREVA Addendum Section 2.4.2
Addendum	6.1.1.3	Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.4.3	Information on hydro power is provided in Appendix 2A AREVA Addendum Section 2.4.3
Addendum	6.1.1.4	Tier 3	Appendix 2A - Alternatives	Appendix 2A AREVA Addendum Section 2.3.4	Information on geothermal power is provided in Appendix 2A AREVA Addendum Section 2.4.4
Addendum	6.1.2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 6.3, 6.4, 8.1, 14.2; Appendix 2A AREVA Addendum Section 2.14	Mine rock management is addressed in Volume 2 Sections 6.3 and 6.4 Tailings management is addressed in Volume 2 Section 8.1. Additional information regarding the rationale for selection of mine waste and tailings management strategies has been added to the Addendum to Technical Appendix 2A Section 2.14 Waste management is discussed in Volume 2 Section 14.2.
Addendum	6.4.1	Tier 3	Volume 3 Part 2 - IQ; Volume 6 - Terrestrial Environment	Tier 3 Volume 9, Technical Appendix 9 A Attachment D.	A summary on the Thelon River's Canadian Heritage River Status in the Context of the Kiggavik Project has been added in Tier 3, Technical Appendix 9A Attachment D.
Addendum	6.4.2	Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 3 Part 2 - IQ; Volume 7 - Marine Environment	Volume 2, Section 10.3. Volume 3 Part 2, Section 4.2. Volume 7, Section 5.	References to applicable text in Tier 2 documents have been clarified.
Addendum	6.5.1	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 14.2.2, 14.2.6	Landfills are addressed in Volume 2 Section 14.2.2. Landfarms are addressed in Volume 2 Section 14.2.6
Addendum	6.5.2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 10.6.1	Aircraft selection, maintenance and audits are addressed in Volume 2 Section 10.6.1
Addendum	6.5.3	Tier 2	Volume 2 - Project Description and Assessment Basis; Appendix 2N - Borrow and Quarry	Volume 2 Section 10.4.2, 12.7, 20.1; Appendix 2N Section 3	Quarry locations, selection, and prioritization, are discussed in Volume 2 Section 12.7 Road options are presented in Volume 2 Section 10.4.2 and 20.1 Further prioritization of quarry sites is discussed in Appendix 2N Section 3
Addendum	6.6.1	Tier 2; Tier 3	Technical Appendix 1D-III; Volume 7 - Marine Environment; Appendix 2J - Marine Transport	Volume 7, Section 6.3.1 Appendix 2J, Section 3.4	Addendum information regarding shipping routes has been integrated into Volume 7 Marine Environment and Technical Appendix 2J Marine Transportation.
Addendum	6.6.2	Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Appendix 2J - Marine Transport	Volume 2 Section 10.3.1 Appendix 2J, Section 1.2	All vessels transiting through Hudson Strait will abide by the Arctic Water Pollution Prevention Act as outlined in Volume 2 Section 10.3.1 and Appendix 2J Section 1.2

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Addendum	7.1.1	Tier 2	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 section 4.4.6	A section on project satisfaction has been added to Tier 2 Volume 3 part 1 section 4.4.6
Addendum	7.1.2	Tier 2	Volume 3 Part 1 - Engagement	Tier 2 Volume 3 Part 1 section 4.4.6	A section on project satisfaction has been added to Tier 2 Volume 3 part 1 section 4.4.6
Addendum	7.2.3	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 13.4	Updated transboundary effects text, Volume 6, Section 13.4 - . 13.4 – Transboundary Effects Assessment for Caribou.
Addendum	7.2.4	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 12.2; 13.3	Also summarized in Tier 1 Technical Appendix 1E
Addendum	7.2.5	Tier 3	Technical Appendix 1D-III; Appendix 2J - Marine Transport	Appendix 2J, Section 6.5	A revised Marine Transportation Plan and Emergency Response Plan will be provided for review during the licensing stage.
Addendum	7.2.6	Tier 2	Volume 7 - Marine Environment	Volume 7, Section 9	Volume 7, Section 9 contains the requested information.
Addendum	8.1.2.1	Tier 2	Volume 4 Part 2 - Noise & Vibration	Section 4.3	Further screening justification provided
Addendum	8.1.2.2	Tier 3	Volume 7 - Marine Environment; Appendix 2J - Marine Transport	Volume 7 (marine), Tier 2, Section 4.3.1.2; Appendix 2J, Sections 3.2, 3.4, 3.5	References to Appendix 2J, Section 5.2 now refer to Section 3.2.
Addendum	8.1.2.3	Tier 2	Volume 6 - Terrestrial Environment	Section 16.2.1.1	Updated the description of the ZOI, based on guidance provided by EC, and used it to update habitat effects in Tier 2, Volume 6, Section 16.2.1.1 – Analytical Methods for Change in Habitat Availability.
Addendum	8.5.1	Tier 2	Volume 7 - Marine Environment	Volume 7, Section 5	Areas identified as sensitive marine habitat have been noted in Volume 7, Section 5.
AREVA Revision	1	Tier 2; Tier 3	Volume 9 Part 2 - Heritage Resources; Appendix 9B - Archaeology Baseline	Volume 9 Part 2 Heritage Resources, Sections 5.1; Appendix 9B Archaeology Baseline Section 1.1, 1.3, 3.2, 4.2, 4.3.2, 4.3.7, 4.3.9, 5.1.1	Integrated new archaeological field data from 2013
AREVA Revision	2	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2, Section 2.2	Updated land and mineral tenure information is presented in Volume 2 Section 2.2
AREVA Revision	3	Tier 3	Appendix 6B - Veg and Soil Baseline; Appendix 6C - Wildlife Baseline	Appendix 6B, Section 4.2.4 Table 4.2-8E; Appendix 6C, Section 4.4.1 Appendix 6B, Sections 4.1.3 and 5.1.3.1; Appendix 6B, Attachment B.	Additional lichen and muskox Cs-137 and Sr-90 baseline data has been included in the FEIS. Cs-137 and Sr-90 soil and vegetation analysis have been integrated to Appendix 6B. Cs-137 and Sr-90 SOPs have been added to Appendix 6B Attachment B.
AREVA Revision	4	Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment	Volume 4 Part 1- Air Quality Section 5.1.2 and 5.1.4; Appendix 4B Section 3.1.1 and 3.1.3	Integrated 2011-2013 air quality samples (including total particulate, metals and radionuclides) into the baseline discussion. Background concentrations were calculated using this data and added to model predicted concentrations. All air quality model results tables and figures were updated to incorporate background.
AREVA Revision	5	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2A - Alternatives	Volume 2 Sections 10.4.3, 20.1; Appendix 2A AREVA Addendum Section 2.15	The southern winter road is the preferred option and AREVA will not be constructing two winter roads. For clarity, only one winter road is presented in the FEIS. This is reflected in Volume 2 Section 10.4.3 and 20.1 and Appendix 2A AREVA Addendum Section 2.15
AREVA Revision	6	Tier 2; Tier 3	Volume 6 - Terrestrial Environment; Appendix 6C - Wildlife Baseline	Volume 6, Section 13.3.2.3; App 6C, Sections 4.3.10, 5.7.1.2.3	Integrated 2013 harvest distribution and trends estimates into Tier 3, Appendix 6C (Wildlife Baseline) and considered in effects assessment (Tier 2, Volume 6, Section 13.3.2.3 -- Baseline Conditions for Change in Mortality)
AREVA Revision	7	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2A - Alternatives	Volume 2 Sections 4.3.2, 20.1 and 10.3.5; Appendix 2A AREVA Addendum Section 2.9	Narrowing of remaining dock options. Given the potential that the Agnico-Eagle dock may no longer be required at the time the Kiggavik project starts, this has been retained as a possible option (previously disturbed area, potential re-use of some infrastructure). Volume 2 Sections 4.3.2, 10.3.5 and 20.1 and Appendix 2A AREVA addendum Section 2.9 note the revised dock site alternatives

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AREVA Revision	8	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 7.7, 9.2, 9.5.3.4, 9.6.2.4, 20.1	Clarified water withdrawal requirements for Sissons site. Mill water requirements have been updated based on most recent water balance estimates. Overall project water requirements have been updated based on most recent water balance estimates. Harmonized effluent discharge text.
AREVA Revision	9	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2, Section 4.3.2, 4.4.3	Table 4.3-1 was previously inconsistent with rest of project description. Updated for consistency - no change to project. Minor changes for consistency
AREVA Revision	10	Tier 3	Technical Appendix 2K - Winter Road Report	All	Appendix 2K was rewritten to provide history of winter road route selection and selection of the winter road as the preferred option.
AREVA Revision	11	Tier 3	Appendix 2L - All-Season Road	All	Appendix 2L has been rewritten to provide a history of all-season road selection and selection of cable ferry option.
AREVA Revision	12	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Sections 4.4.1, 4.4.1.1 to 4.4.1.6	This section has been expanded upon to provide additional information to the reader about project components which incorporate mitigation by design
Technical Response	1.3.3	Tier 2	Volume 2 - Project Description and Assessment Basis	Volume 2 Section 2.3.1, 2.3.1.2, 2.3.5.6	Text modified slightly to Change Navigable Waters Protection Act to Navigation Protection Act
Technical Response	1.4.3	Tier 1	Appendix 1E Cumulative and Transboundary	Appendix 1E	Updated Project Inclusion List, including column for distance to Kiggavik, and supporting text
Technical Response	1.5.3	Tier 2; Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Appendix 10B - Spill Contingency; Appendix 10C - ERP	Volume 2 Section 2.3.5; Appendix 10B Section 1.1, 1.2, 1.3; Appendix 10C Section 1.2, 1.4	Information regarding the licensing process is presented in Volume 2 Section 2.3.5. The timing of submission of a revised Spill Contingency Plan and Emergency Response Plan has been clarified in Appendix 10B Sections 1.1, 1.2, 1.3 and Appendix 10C Section 1.2, 1.4 respectively.
Technical Response	1.6.2	Tier 2	Appendix 2T - EMS	Technical Appendix 2T Section 4	Information on AREVA's Integrated Management System is found in Technical Appendix 2T Section 4.
Technical Response	10.2.3	Tier 3	Technical Appendix 10A - Transportation Risk Assessment	6.2.2.3; 6.2.2.4	Potential impact of transportation accidents on workers has been updated and detailed dose calculations included. Dose calculations for potential dose to public resulting from transportation accident updated to include consideration of lake water and fish with detailed calculations provided.
Technical Response	2.2.3	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Appendix 2H - Ore Storage	Volume 2 Sections 4.5.1, 5.3, 5.5.3.2, 20.1.2, Conversion Factors; Appendix 2H Section 2.1	Project life is addressed in Volume 2 Section 4.5.1 and 20.1.2 An updated production schedule is provided in Volume 2 Section 5.3, Table 5.3-1. This table has been modified from the original table in the IR response to correct minor spreadsheet errors and add missing information. Ore stockpile size is addressed in Volume 2 Section 5.3 and Appendix 2H Section 2.1 A section has been added to Volume 2 to provide conversion factors Sections views of the End Grid mine have been added to Volume 2, Section 5.5.3.2 (Figure 5.5-5 and 5.5-6)
Technical Response	2.3.3	Tier 3	Appendix 2A - Alternatives; Technical Appendix 10A - Transportation Risk Assessment	Appendix 2A Section 2.2, 2.3; Appendix 2A AREVA Addendum Section 2.8; Appendix 10A - All	Criteria for the alternatives assessment are outlined in appendix 2A Section 2.3 and 2.3 (no changes required for conformity). The north winter road option is no longer being considered, and the (south) winter road remains as the preferred option. This is outlined in Appendix 2A AREVA Addendum Section 2.15 which includes an updated comparison table of the different road options. The Transportation Risk Assessment (Technical Appendix 10A) has been updated for the FEIS.

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Technical Response	2.4.3	Tier 2; Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Technical Appendix 5B - Geology and Hydrogeology Baseline; Technical Appendix 6A - Surficial Geology and Terrain Baseline	Volume 2 Section 4.1; Appendix 5B Section 4.1.1, 4.3.3.7; Appendix 6A Section 4, 4.1.5,	The suitability of ground ice content assumptions is addressed in Appendix 6A Section 4.1.5 Geotechnical design considerations are addressed in Appendix 6A Section 4 A new Technical Appendix 2V discusses the design criteria for the open pit mines. The incorrect statement about in-situ stress at End Grid has been removed from Appendix 5B Section 4.3.3.7 Fault characterization is addressed in Appendix 5B, Section 4.1.1 Design basis for pads and ponds as well as monitoring during operations are addressed in Volume 2 Section 4.1
Technical Response	2.5.3	Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Appendix 2F, Section 6	AREVA, in agreement with the conclusions in technical comments CNSC (ERAD) 05 (RC) and NRCan 3.5, considers that the preliminary design based on available information is adequate for this stage of the project. Additional geotechnical information and detailed design will be completed prior to licencing and construction of the facility including geotechnical stability analysis, seepage analysis, and thermal analysis. As discussed in the KIA Information request 31, it is not anticipated that there will be difficulties sourcing the till material due to the relative small volume of material required for the Andrew Lake Dewatering Structure. In comparison to the Meadowbank dykes construction which required approximately 267,000 m3 of till material (Golder, 2007. Final Report Detailed Design of Central Dike Meadowbank Gold Project Volume 3), the Andrew Lake Pit Dewatering structure will require approximately 39,600m3 of till material. Prior to licensing, a detailed design of the dewatering structure will be completed and will evaluate the availability and further evaluate the geotechnical properties of the till core materials to ensure their suitability.
Technical Response	2.6.3	Tier 3	Technical Appendix 5J - Tailings Characterization and Management	Tier 2, Volume 2, Section 7.5.3	Resin in Pulp (RIP) section incorporated into Tier 2, Volume 2 Section 7.5.3.
Technical Response	2.7.3	Tier 2	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis	Volume 2 Section 14.2.5	Sewage treatment and discharge criteria has been updated in Volume 2 Section 14.2.5
Technical Response	2.8.3	Tier 3	Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds	Appendix 2D Section 5.2.3	The two layers of liner are separated by a drainage net geogrid that reports to a lower, leakage detection sump. Any leaks in the top layer of the liner will report to this sump. Water collected in the sump will be pumped to a runoff pond for eventual treatment and analyzed to determine if sump water can be attributed to a leak. Should the sump water quality indicate that there is a leak, further investigation into the source of the leak will be conducted. Repairs would be made to the liner as required. This discussion is provided in Appendix 2D Section 5.2.3
Technical Response	2.9.3	Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning; Appendix 2T - EMS; Appendix 10B - Spill Contingency	AANDC-TC13: Appendix 2R-Section 2.7, Appendix 2T-Section 4.2.3 EC-TC25: Appendix 2R-Section 3.2, Appendix 10B-Section 6.1.3	The preliminary decommissioning plan, Appendix 2R, has been enhanced to include further detail regarding AREVA's proposed decommissioning approach.
Technical Response	3.1.3	Tier 3	Volume 3 Part 1 - Engagement; Appendix 3C - Community Involvement	Appendix 3C Section 5.4.1, section 6,section 6.3, Tier 2 Volume 3 part 1 section 4.2 and 4.3	Translation is described in Tier 3 Appendix 3C section 5.4.1. A section on risk perception has been added in section 6.3 and section 6 describes future engagement activities.
Technical Response	3.2.3	Tier 1; Tier 2	Volume 1; Volume 2 - Project Description and Assessment Basis; Volume 3 Part 1 - Engagement; Volume 3 Part 2 - IQ; Volume 4 Part 1 - Air Quality and Climate; Volume 4 Part 2 - Noise & Vibration; Volume 5 - Aquatic Environment; Volume 6 - Terrestrial Environment; Volume 7 - Marine Environment; Volume 8 - Human Health; Volume 9 Part 2 - Heritage Resources; Volume 9 Part 1 - Socio-Economic Environment; Volume 10 - Accidents, Malfunctions and Effects of the Environment; Appendix 1F Social and Ecological Context	Tier 2 Volume 3 Part 2 Section 3.6. Figures 3.6-1 ,3.6-2 and Tier 2 Volume 3 Part 2 Attachment A; Appendix 1F	A description of how IQ was integrated can be found in Tier 2 Volume 3 Part 2 Section 3.6 and Figure 3.6-1. A roadmap can be found in Tier 2 Volume 3 Part 2 Attachment A.

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Technical Response	4.1.3	Tier 2; Tier 3	Volume 4 Part 1 - Air Quality and Climate; Technical Appendix 4B - Air Dispersion Assessment; Technical Appendix 4C - Atmospheric Monitoring and Mitigation Plan	Volume 4 Part 1 - Air Quality and Climate Section 6.1.3, 6.5, 6.1.4.2; Appendix 4B Section 5.3.5, 6.2.2.2, Attachment 4E, Appendix 4C	Editorial changes have been incorporated into the FEIS. The estimation of radon emissions have been revised (see IR-CNSC 14) and derivation of reference limits for radionuclides have been revised (see PHC 4E). Dust mitigation measures are discussed in detail in Appendix 4B, however, a summary has been added to Volume 4, Section 6.1.3. Dust deposition dispersion modelling was revised to reflect emissions from the maximum operation scenario rather than operation phase 2 as in the DEIS. So that worst-case dust deposition rates are now presented. Additional discussion about the dust deposition modelling results is provided Volume 4 - Air Quality and Appendix 4B. A detailed comparison between the dust deposition modelling results for Kiggavik and other mining assessments (EKATI and Meadowbank) has also been provided in Appendix 4B, Attachment E. The Air Quality Monitoring Plan (Appendix 4C) has been revised to address some of the technical comments received including clarification for source testing at the mill and acid plant.
Technical Response	4.2.3	Tier 2	Volume 4 Part 2 - Noise & Vibration	Section 1	All discussion of the noted Health and Welfare Canada reference (Health and Welfare Canada 1989) has been removed from the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports. All discussion of the noted International Organization of Standardization reference (ISO 1969) has been removed from the noise and vibration impact assessment (Tier 2) report. The following clarifications were incorporated in the noise and vibration impact assessment (Tier 2) and technical appendix (Tier 3) reports: The closest sensitive receptor to the Mine Development Area, R3, is approximately 15 km from the closest potential blast site in the Mine Development Area. Groundborne noise and vibration from blasting was not assessed at receptors R1 and R2 as blasting was not expected to occur in the vicinity of Baker Lake.
Technical Response	5.1.3	Tier 2	Volume 2 - Project Description and Assessment Basis; Volume 5 - Aquatic Environment; Appendix 2I - Water Management Plan; Appendix 8A - EHHRA	Volume 2 Sections 9.5.2, 9.6.2, 9.1, 9.4, 9.5.3.2, 9.5.3.3, 9.6.3.3, 9.5.2.1, 8.4.1, 9.5.3.4, 9.6.3.4; Appendix 2I - All; Volume 5 Section 6.2,8.2.2, 7.2.2: Appendix 8A Section 3.4.2.4, Attachment C	Appendix 2I, Water Management Plan has been updated to address all stages of operation. The assessment of effects of the Project on surface hydrology and water quality is presented in Volume 5, Section 6.2 and 8.2 respectively. Effects of Effluent on the receiving environment are addressed in Appendix 8A. Contact water is addressed in Volume 2 Sections 9.5.2; 9.6.2 Non-contact water is addressed in Volume 2 Section 9.1 Freshwater diversion channels are addressed in Volume 2 Section 9.4 Effects of water quality due to dust deposition are addressed in Volume 5 Section 8.2.2 Effects of surface water quality due to groundwater discharge are addressed in Volume 5 Section 7.2.2. RO recovery is addressed in Volume 2 Section 9.5.3.2 Effluent quality is addressed in Volume 2 Section 9.5.3.3 and 9.6.3.3. Probability distributions are presented in Appendix 8A Section 3.4.2.4 and Attachment C. Monitoring is addressed in Volume 2 Sections 9.5.3.4 and 9.6.3.4 Pond sludge and tailings pore water management are addressed in volume 2 Section 9.5.2.1 and 8.4.1 respectively Effluent pipeline operating experience is addressed in Volume 2 Sections 9.5.3.4 and 9.6.3.4.
Technical Response	5.2.1.3	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5M - Aquatic Effects Monitoring	Tier 2, Volume 5, Sections 3.2, 4.4, 5.3, 5.3.3, 5.5.2, 6.1.1, 7.1.1, 7.1.4 (Table 7.1-3), 8.1.1, 9.1.1, 9.1.4, 9.2.1.1, 10.1.1, 11.1.1, 11.1.3, 13.314.2.4, 14.1.5, 15.1; Tier 3 Appendix 5M, Appendix 5O, Appendix 5L	Clarified the scope, project-environment interactions, thresholds and benchmarks, best management practices and mitigation, and monitoring in the aquatic assessment.
Technical Response	5.2.2.3	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Technical Appendix 5L - Conceptual Fisheries Offsetting Plan; Appendix 5M - Aquatic Effects Monitoring	Tier 2, Volume 5, Sections 10.2.2; 5.5.5; 10.1.1;11.1.1; Tier 3, Appendix 5L; Appendix 5M Sections 5.2, 6.5; Appendix 5P	Appendix 5L is now a Fisheries Offsetting Plan

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Technical Response	5.4.3	Tier 2; Tier 3	Volume 2 - Project Description and Assessment Basis; Technical Appendix 5F - Mine Rock Characterization and Management	Volume 2 Section 5.4.2.7, 6.3, 6.4, 6.5: Appendix 5F Section 4.3, 5, 6.1, 7.1, 9.2, 11.2.2, 11.3.2	The volumes of all mine rock are listed in Volume 2, Section 6.5, Table 6.5-1. Mine rock segregation criteria and how mine rock will be segregated is presented in Volume 2 Section 6.3 and 6.4. Mine rock evaluation is discussed in Appendix 5F Section 4. Classification of the mine rock is discussed in Appendix 5F Section 5. Figure 6.1-3 in Appendix 5F shows the correlation for NP/AP ratio and total sulphur content for Kiggavik mine rock. . The proposed Mine Rock Optimization and Validation Program is discussed in Appendix 5F Section 11.2.2. Monitoring wells are addressed in Volume 2 Section 6.4. Information on kinetic testing of type 3 mine rock is provided in Appendix 5F Section 4.3 A screening level assessment of the Type 2 mine rock material that will be permanently stored during operation and at closure is presented in Appendix 5F, Section 9.2. Follow up programs for purpose built pit mine rock are outlined in Appendix 5F Section 11.3.2. A source term assessment for type 1 mine rock is presented in Appendix 5F Section 7.1. Testing of Type 3 mine rock is discussed in Appendix 5F Section 4.3. Ore stockpile size is addressed in Volume 2, Section 5.4.2.7 The design of the ore pad is outlined in Volume 2 section 5.4.2.7. Design details are provided in Appendix 2D.
Technical Response	6.1.1.3	Tier 2	Volume 6 - Terrestrial Environment	13.1.4	Acknowledged uncertainty as a technical limitation in Tier 2, Volume 6, Section 13.1.4. That section describes the herds that were considered in the effects assessment.
Technical Response	6.1.2.3	Tier 2	Volume 6 - Terrestrial Environment	11.7.1	Updated and provided justification for assessment spatial boundaries in Tier 2, Volume 6, Section 11.7.1 – Spatial Boundaries.
Technical Response	6.1.3.3	Tier 2	Volume 6 - Terrestrial Environment	13.1.1	Clarified how significance of effects were determined in the absence of defined thresholds in Tier 2, Volume 6, Section 13.1.1 (Standards or Thresholds for Determining Significance).
Technical Response	6.1.4.3	Tier 2	Volume 6 - Terrestrial Environment	13	Included figures in Tier 2, Volume 6, Section 13 that show zone of influence, road options and water crossings where relevant.
Technical Response	6.1.5.3	Tier 2	Volume 6 - Terrestrial Environment	13-17	Included a measure of "Prediction confidence" in significance determination in the Summary of Residual Environmental Effects tables in Tier 2, Volume 6, Sections 13–17. To address weak predictions and determine mitigation effectiveness, updated the WMMP (Appendix 6D), the principles of which are described in Section 5.1.
Technical Response	6.3.3	Tier 2	Volume 6 - Terrestrial Environment	Volume 6, Section 11.6.2	Removed the reference to harvest quotas as a suggestion of a project-specific mitigation in Tier 2, Volume 6, Section 11.6.2. It remains as a reference in other sections as a discussion of mitigation for potential cumulative effects on wildlife populations.
Technical Response	6.4.3	Tier 2	Volume 6 - Terrestrial Environment	4	Updated the mitigation measures to incorporate EC's guidelines for migratory birds in Appendix 6D (WMMP).
Technical Response	7.1.3	Tier 2	Volume 7 - Marine Environment	Section 5; Section 6.1	AREVA contacted the GN in an effort to gain access to the noted polar bear data for consideration in the FEIS, however, due to data ownership restrictions, requests to access this data have been denied. Alternatively, polar bear distribution data obtained from the KIA has been incorporated in the assessment. A discussion of potential Project-polar bear interactions with respect to available new information is presented in Volume 7.
Technical Response	7.2.3	Tier 3	Technical Appendix 1D-III; Appendix 2J - Marine Transport	Section 3	AREVA acknowledges the regulatory requirements identified in the technical comments, and will ensure requirements are met and integrated into the detailed design phase of the marine facilities, as well as during the selection of the shipping contractor and vessel.
Technical Response	8.1.3	Tier 2	Volume 8 - Human Health	6.4.3.1(o/p), 6.4.4.1(u/g), 6.4.3.2(o/p), 6.4.4.6 (shielding material),6.4.4.7 (shotcrete) 6.4.5.1(mill)	Several sections of the radiation dose assessment have been updated to provide explanation and clarity on the estimation of radiation doses.
Technical Response	8.10.3	Tier 3	Appendix 8A - EHHRA	8.1.1	A discussion on selenium regulation in fish has been incorporated.
Technical Response	8.11.3	Tier 3	Appendix 8A - EHHRA	2.4	Additional explanation on selection of COPC has been provided

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Type of Revision	**Submission Section or Revision No.**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**
Technical Response	8.13.3	Tier 3	Appendix 8A - EHHRA	Appendix 8A, Section 3.4.2.4, and Table 3.4-9 footnotes.	Incorporated response regarding scenario selection and use of Midwest RO values for ammonia and nickel.
Technical Response	8.14.3	Tier 3	Appendix 8A - EHHRA	3.2.3 (updated Cd baseline)	Incorporated new cadmium baseline data in assessment
Technical Response	8.15.3	Tier 3	Appendix 8A - EHHRA	4.1.2.3; Attachment D Eco Chars; Eco Figures; Eco Results, Section 2.8.4, Section 6.5.2 Table 6.5-1 and 8.1.2 Table 8.1-3, Attachment G.5.2	Revised ERA per comments. Included discussion of potential of caribou to ingest tailings. Included zooplankton and phytoplankton as radiological receptors.
Technical Response	8.16.3	Tier 3	Appendix 8A - EHHRA	2.8.1-2.8.4	Incorporated discussion and sample calculation in text.
Technical Response	8.17.3	Tier 3	Appendix 8A - EHHRA	2.10.3, 4.2.1.3	Additional information on dietary assumptions provided. Additional information on groundshine calculation provided.
Technical Response	8.18.3	Tier 3	Appendix 8A - EHHRA	Section 8.1.1; Attachment B.4 Table B.4-1	Corrected text and tables and added clarification as described in response at "information request" stage.
Technical Response	8.19.3	Tier 3	Appendix 2T - EMS; Appendix 6D - WMMP	Technical Appendix 2T Section 5	Information on ERA and HHRA standards utilized by AREVA are found in Technical Appendix 2T.
Technical Response	8.2.3	Tier 3	Appendix 2P - OHS	10.2.1 updated	Added 'health' and illness' to applicable sections of Appendix 2P - OHS
Technical Response	8.3.3	Tier 2; Tier 3	Volume 8 - Human Health; Technical Appendix 2Q - Radiation Protection Plan; Appendix 8B - RP Support Document	4.4 (UinU), 3.2 (gamma rate), 3.1(support doc-ubiquity of U), 5.1(nuclear to ... in T2V8), 4 (baseline gamma in T2V8), 6.3.7.1 (skin doses in T2V8), 3.3 (Rn monitoring... App 2Q & T2V8 6.4.2)	Clarifications have been provided on specific issues identified by CNSC and Health Canada as discussed in the response to technical comments.
Technical Response	8.4.3	Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning	2.1.2	Commitment to incorporate dose constraint of 0.3 mSv/a in development of criteria included in Section 2.1.2.
Technical Response	8.5.3	Tier 2	Volume 8 - Human Health	Abbreviations and Acronyms section updated and Glossary of Terms updated	The hazard definition provided by the Canadian Centre for Occupational Health and Safety more precisely defines workplace health and has been included in the FEIS.
Technical Response	8.6.3	Tier 2	Volume 8 - Human Health	Updated Sec 5.2.3, Tbl 5.4-1 and Sec 5.4.1.2 Updated, Tbl 5.4-2 updated, Tbl 5.4-3 & 5.4-4 need>info, Sec 5.4-8 updated to include sulphur & be consistent, H2S added to Tbl 5.4-8 and paragraph added to Sec 5.4.6 Acid Plant, updated exec summ for NO2	Industrial hygiene components of FEIS have been updated as agreed upon during technical comments phase.
Technical Response	8.7.3	Tier 3	Technical Appendix 1D-III; Appendix 2P - OHS	Section 1.2	Commitment made to develop programs to manage human performance at time of licensing. Aspects to be considered are listed in Appendix 2P.
Technical Response	8.8.3	Tier 3	Appendix 8A - EHHRA	new section 4.2.1.2	Rationale for pathways of exposure has been integrated into Appendix 8A.
Technical Response	8.9.3	Tier 3	Appendix 8A - EHHRA	Table 3.2-1 units corrected (8A), Table B.4-1 corrected (8A attachment)	Editorial errors have been corrected.
Technical Response	9.1.1.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.2, 9.2, 10.2, 11.2 12.1.5, 13.2, 14.2 and 14.3	AREVA has included a restatement of our commitment to collaborative monitoring as a means to address cumulative socio-economic effects and various sections of the EIS have been revised to better reflect the full range of potential cumulative socio-economic effects.
Technical Response	9.1.10.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 6.3.1, 7, 8.1.2, 9.3.1, 13.2	For the purpose of the EA we have communicated and assessed a conservative 10% Inuit content during construction noting that we believe 20-25% can be achieved given experience at Meadowbank and the growing capacity of the Inuit workforce.
Technical Response	9.1.2.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 8.1.7, 8.1.8, 8.1.9, 8.2, 6.3.9	Additional text has been added to Section 6.3.9 to elaborate on the nature of temporary and permanent closure. Please refer to the sections noted in the conformity table for further discussion of closure.

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Type of Revision	**Submission Section or Revision No.**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**
Technical Response	9.1.3.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 6.6	The EIS includes sufficient detail to assure reviewers that impacts will be monitored and mitigated. Further benefits will be negotiated in the IIBA.
Technical Response	9.1.4.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	NA	Conclusion of biophysical assessments were used in the socio-economic assessment. Land use is assessed in Volume 9 and additionally presented as Appendix 1F to Volume 1.
Technical Response	9.1.6.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	NA	Increased demand for infrastructure and services is intimately linked to expectations of population growth as a result of migration that was expected to occur at the time of writing the DEIS with new information used to assess these effects in the FEIS.
Technical Response	9.1.7.3	Tier 3	Volume 9 Part 1 - Socio-Economic Environment; Appendix 3C - Community Involvement	Tier 3 Volume 3 Appendix 3 C Section 5.3	AREVA is willing to cooperation and communication with all GN departments.
Technical Response	9.1.8.3	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Sections 5.3.2, 11.1.4, 6.3.4, 8.1.7	Housing and home ownership information and assessments have been updated in the FEIS

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Tier 1 Technical Appendix 1A: Conformity Table

Additional FEIS Revisions – Part 2: Post Environmental Assessment Commitments

September 2014

Post EA Information Identified in AREVA's Technical Comment Response Submission		Final Environmental Impact Statement (FEIS) September 2014				
No.	**AREVA Commitment**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**	**Timing of Additional Post EA Information**
1i	Fulfil requirements under the Navigable Waters Protection Act o Provide a list/table identifying which waterways meet the criteria established by the Minor Works and Waters (NWPA) Order and those that do not o Provide an application for approval under the NWPA for any waterways that do not meet the Minor Works and Waters (NWPA) Order o Provide an application for approval under the NWPA for works that do not meet the established criteria in the Minor Works, Water Intakes pamphlet and the Minor Works, Temporary Works pamphlet o AREVA will continue to abide by the conditions outlined in the Transport Canada Minor Works and Waters (NWPA) Order for winter crossings. o AREVA will consult with TC NWPP in order to determine the steps involved and information required to apply for a Proclamation of exemption by the Governor in Council under section 23	Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis	Volume 2 Section 2.3.5.6 and Table 2.3-4	In accordance with Transport Canada requirements, AREVA will submit applications for approval under the *Navigation Protection Act* (NPA) when final design details for project components, such as dykes, water intakes, temporary works and outfalls that are listed in the Schedule of the NPA and/or considered as navigable waters. Table 2.3-4 provides a summary of works potentially subject to an application under the NPA at the time of Project licensing.	Prior to Completion of Licensing
1ii	AREVA will submit an Integrated Management System for consideration as part of the licensing and permitting applications provided to the regulatory agencies.	Tier 1	Technical Appendix 1D-III; Appendix 2T - EMS	Section 4	AREVA will submit an Integrated Management System for consideration as part of the licensing and permitting applications provided to the regulatory agencies at Project licensing.	Prior to Completion of Licensing
2i	Assess the condition for water depressurization for the End Grid deposit.	Tier 2; Tier 3	Technical Appendix 1D-III; Volume 2 - Project Description and Assessment Basis; Technical Appendix 5E - Prediction of Water Inflows to Kiggavik Project Mines	Volume 2 Section 5.5.3, Appendix 5E Attachment A	The depressurization at End grid is described in Volume 2 Section 5.5.3 as well as in Attachment A of Appendix 5E.	
2ii	Conduct detailed geotechnical work to support the route selection and design prior to commencement of the project.	Tier 1	Technical Appendix 1D-III	Appendix 1D	Detailed geotechnical work to be done prior to start of construction	Prior to Start of Construction
2iii	AREVA will undertake characterization of faults during pit and underground excavation to better characterized the relationship between the faults and the mines.	Tier 1; Tier 3	Technical Appendix 1D-III; Technical Appendix 5D - Groundwater Flow Model	Volume 5D, Section 5.2	The characterization of faults and their interaction with mine workings is described in the Hydrogeology follow-up program.	On-Going Throughout Operations
2iv	AREVA will collect site-specific geotechnical information for the detailed design and construction of site facilities prior to licencing of the facilities. This will include geotechnical properties, terrain sensitivity, and permafrost conditions of the site soils. This information will support the final design and construction of the site and access roads, the water management ponds and channels, final open pit designs, ore and mineralized waste rock pads, and mine infrastructure in general.	Tier 1; Tier 3	Technical Appendix 1D-III	NA	AREVA will collect site-specific geotechnical information for the detailed design and construction of site facilities prior to licencing of the facilities. This will include geotechnical properties, terrain sensitivity, and permafrost conditions of the site soils. This information will support the final design and construction of the site and access roads, the water management ponds and channels, final open pit designs, ore and mineralized waste rock pads, and mine infrastructure in general. This information is necessary for detailed design purposes and is not required for the environmental assessment of the Project.	Prior to Completion of Licensing
2ix (NIRB 5)	Provide detailed design and operational information on leak detection system	Tier 3	Technical Appendix 1D-III; Technical Appendix 2D - Design of Ore and Mine Rock Pads and Ponds; Technical Appendix 5D - Groundwater Flow Model	Appendix 2D Section 5.2.3. Appendix 5D Section 5.3.	The monitoring of pads and ponds for leak detection is provided in Volume 2D Section 5.2.3 and the use of monitoring wells around mine infrastructure is described in Volume 5D Section 5.3	
2v	AREVA will conduct climate monitoring and monitoring of ground thermal conditions during operations.	Tier 1; Tier 3	Technical Appendix 1D-III; Technical Appendix 5D - Groundwater Flow Model	Volume 5D Section 5.2	Climate monitoring and monitoring of ground thermal conditions is included in the hydrogeology follow-up program as described in Volume 5D Section 5.2.	On-Going Throughout Operations

Post EA Information Identified in AREVA's Technical Comment Response Submission		Final Environmental Impact Statement (FEIS) September 2014				
No.	**AREVA Commitment**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**	**Timing of Additional Post EA Information**
2vi	Geotechnical investigations and detailed design of the Andrew Lake Pit Dewatering Structure will be completed prior to licencing and construction of the structure. Included in the investigation and design will be the geotechnical stability, seepage analysis, thermal analysis, characterization local materials to be used in the construction, and constructions plans which include practical aspects of the construction such as control measures for total suspended solids as part of the dewatering plan.	Tier 3	Technical Appendix 2F - Design of Andrew Lake Dewatering Structure	Appendix 2F, Section 6	As discussed in the KIA Information Request 31, it is not anticipated that there will be difficulties sourcing the till material due to the relative small volume of material required for the Andrew Lake Dewatering Structure. In comparison to the Meadowbank dykes construction which required approximately 267,000 m3 of till material (Golder, 2007. Final Report Detailed Design of Central Dike Meadowbank Gold Project Volume 3), the Andrew Lake Pit Dewatering structure will require approximately 39,600m3 of till material.	Prior to Completion of Licensing
2vii	Fulfil requirements under the Wastewater Systems Effluent Regulations SOR/2012-139 Fisheries Act Registration 2012-06-29	Tier 3	Appendix 5M - Aquatic Effects Monitoring	Section 6.3	The Wastewater Systems Effluent Regulations will be used as guidance to establish the criteria, monitoring methods, volumes, parameters tested, and the quality assurance/quality control (QA/QC) requirements at sewage discharge locations.	On-Going Throughout Operations
2viii (NIRB 4)	Present plan for monitoring for leaks / spills of sewage and clean-up in the event of a spill.	Tier 3	Appendix 10B - Spill Contingency	Appendix 10B Section 5.2.14	A draft plan for cleanup of a sewage spill is presented in Appendix 10B Section 5.2.14	
2x	Provides details on mitigation measures in the event of a leak	Tier 3	Appendix 10B - Spill Contingency	Appendix 10B Section 5.2	Section 5.2 has been revised to include plausible spill scenarios and anticipated response strategies.	
2xi (NIRB 6)	Provide a detailed groundwater monitoring plan including locations of monitoring wells, monitoring frequency, and analysis to be done.	Tier 3	Technical Appendix 5D - Groundwater Flow Model	Appendix 5D Section 5.3.	The ground water monitoring plan is provided in Volume 5D section 5.3.	
2xii	Update the Preliminary Decommissioning Plan and associated Financial Assurance (PDP/FA) to reflect the Project Detailed Design for construction licensing, and subsequently for operations licensing. The PDP/FA will comply with requirements of the following documents: o CNSC Regulatory Guide G-206: Financial Guarantees for the Decommissioning of Licensed Activities o CNSC Regulatory Guide G-219: Decommissioning Planning for Licensed Activities o All requirements of the Project Certificate issued by NIRB which are related to decommissioning o All requirements of land use permits which are related to decommissioning.	Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning	1.5	Commitment to update PDP and FA based on requirements contained within the Project Certificate and subsequent permits and licenses.	Prior to Completion of Licensing
2xiii	In addition, the following information sources will be utilized o Experience gained at AREVA's Saskatchewan based operations (Cluff Lake Project and McClean Lake Operation) o The Nunavut Tunngavik Incorporated Reclamation Policy (2008) o Environmental Guideline for Site Remediation (2002) o CSA N294-09 Decommissioning of facilities containing nuclear substances o Existing guidelines (eg. CCME)	Tier 3	Appendix 2R - Decommissioning	1.3	Consideration of external documents has been identified in Section 1.3; experiences at Cluff Lake and McClean Lake integrated at various locations in document.	
2xiv	The PDP/FA will be updated when necessary to reflect the changes in project activities	Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning	1.1	Commitment made to revise PDP and FA as project changes occur.	On-Going Throughout Operations; Prior to Decommissioning
2xv (NIRB 7)	The Detailed Decommissioning Plan (DDP) will be developed for regulatory approval towards the end of the operational period, to facilitate a seamless transition from operations to decommissioning	Tier 3	Technical Appendix 1D-III; Appendix 2R - Decommissioning	2.9	Preliminary decommissioning plan has been described with commitment to develop detailed plan as decommissioning period approaches.	

Post EA Information Identified in AREVA's Technical Comment Response Submission		Final Environmental Impact Statement (FEIS) September 2014				
No.	**AREVA Commitment**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**	**Timing of Additional Post EA Information**
3i	AREVA will continue to consult with the stakeholders throughout project life	Tier 3	Technical Appendix 1D-III; Volume 3 Part 1 - Engagement; Appendix 3C - Community Involvement	Tier 3 Volume 3 Appendix 3C Section 6.	As stated in Tier 3 Volume 3 Appendix 3C section 6.	On-Going Throughout Operations
3ii	Upon completion of the FEIS, IQ data gathered by AREVA will be provided to the KIA and NTI for storage.	Tier 2	Technical Appendix 1D-III; Volume 3 Part 2 - IQ	Tier 2 Volume 3 Part 2 Section 1.2	As stated in Tier 2 Volume 3 Part 2 section 1.2	Prior to Completion of Licensing
5i	AREVA will submit detailed design information on the mitigation designs, facilities, and equipment to minimize impacts to surface water, as well as the proposed operational programs for these facilities as part of the licensing package to CNSC.	Tier 1; Tier 2	Technical Appendix 1D-III; Volume 5 - Aquatic Environment	Appendix 1D, Commitments table	AREVA will submit detailed design information on the mitigation designs, facilities, and equipment to minimize impacts to surface water, as well as the proposed operational programs for these facilities as part of the licensing package to CNSC.	Prior to Completion of Licensing
5ii	The Kiggavik Project will comply with the Metal Mining Effluent Regulations which stipulate discharge limits for deleterious substances, and require routine monitoring of effluent.	Tier 2	Volume 5 - Aquatic Environment; Appendix 5M - Aquatic Effects Monitoring	Tier 2 Volume 5 Sections 4.2.1, 8.2.1.4, 8.2.1.7, 8.6, 9.2.1.4, 10.2.1.4, 11.2.2.4, 11.5, 13.3, 13.4, 13.5, 13.7, 14.1.3, Tier 3 Technical Appendix 5M Section 6.3.	Updated reference to MMER regarding water quality where applicable.	On-Going Throughout Operations
5iii	Pre-development baseline benthic invertebrate tissue chemistry will be collected. This will be provided as part of the licensing/permitting process.	Tier 2; Tier 3	Volume 5 - Aquatic Environment; Appendix 5C - Aquatics Baseline	Tier 2, Volume 5, Section 5.5.2.2; Tier 3, Volume 5, Appendix 5C, Attachment 5C-1 (all sections)	FEIS refers to benthic invertebrate tissue chemistry collected in August 2013; Also added Attachment 5C-1 to Appendix 5C (additional 2013 baseline)	
5iv	AREVA will include a summary of available findings and feedback from Aboriginal engagement on fish habitat compensation options in the detailed fish habitat compensation plan, presented at the time of Authorization.	Tier 3	Technical Appendix 5L - Conceptual Fisheries Offsetting Plan	Tier 3, Volume 5, Appendix 5L all sections, 1.3	Appendix 5L is now a Conceptual Fisheries Offsetting Plan	Prior to Completion of Licensing
5v (PHC-32, NIRB 8)	Provide additional cross sections that display the site hydrogeology and relationship between the faults and the proposed mines.	Tier 3	Technical Appendix 5E - Prediction of Water Inflows to Kiggavik Project Mines	Appendix 5E Figure 2.4-1	Appendix 5E Figure 2.4-1 to provide a plan view of regional faults incorporated at 2D vertical discrete elements	
5vi (PHC-5, NIRB 8)	Details of the hydrogeology follow-up program will be provided prior to licencing and will include plans for acquiring additional baseline groundwater chemistry, hydraulic heads, and thermal conditions. The program will also include further study of the hydrogeologic relationship between faults and the mines that penetrate through the permafrost.	Tier 3	Technical Appendix 1D-III; Technical Appendix 5D - Groundwater Flow Model	Volume 5D Section 5.2	Volume 5D section 5.2 provides details of the hydrogeology follow-up program including the relationship between the faults and the mines.	Prior to Completion of Licensing
5vii (PHC-31)	Initiate additional static and kinetic testing of Type 2 drill core samples	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Volume 5F Section 11.	Continued mine rock characterization for all stages of mine development is provide in Volume 5 F Section 11.	
5viii	Initiate drill core sampling and static testing of samples from the purpose built pit	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Volume 5 F Section 11.1.1	The plans to conduct drill core sampling to confirm the suitability of the purpose built pit location is provided in Volume 5F section 11.1.1	

Post EA Information Identified in AREVA's Technical Comment Response Submission		Final Environmental Impact Statement (FEIS) September 2014				
No.	**AREVA Commitment**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**	**Timing of Additional Post EA Information**
5vix	Implementation of the proposed Mine Rock Characterization Monitoring and Follow-up Program, including during the construction and early mine development stage of the operation: o investigations into the chemical properties of mine rock at Kiggavik and Sissons during operation as part of a Mine Rock Optimization and Validation Program; o installation of monitoring wells down gradient of the permanent clean mine rock stockpiles and down gradient of the Type 3 temporary stockpiles during operations, o installation of monitoring wells within the backfilled Type 3 rock after relocation to the pit after mine closure. The Follow Up program will focus on the water quality effects from all mine rock types	Tier 3	Technical Appendix 5F - Mine Rock Characterization and Management	Volume 5F Section 11	The mine rock monitoring and follow-up program is described in Volume 5F Section 11 and includes plans for mine rock testing and verification at all stages of mine development.	
5x	AREVA will provide thermal modeling results of the Andrew Lake pit to the CNSC during licencing.	Tier 1	Technical Appendix 1D-III	NA	AREVA will provide thermal modeling results of the Andrew Lake pit to the CNSC during licensing.	Prior to Completion of Licensing
6i	AREVA will endeavour to examine additional sources of information to improve the wildlife tissue information which supports the ecological risk assessment.	Tier 3	Appendix 8A - EHHRA	Appendix 8A, Section 3.2.11, Table 3.2-17	Incorporated additional baseline data, as available.	
6ii	AREVA will work collaboratively with local hunters to gather additional information on species subjected to harvest. Emphasis will be placed on high profile species (caribou and musk ox) and wildlife with aquatic feeding habitats (waterfowl). It is anticipated that this additional information may be available at the time of licensing and permitting.	Tier 1	Technical Appendix 1D-III	NA	AREVA will continue to gather information on concentrations in tissue through the hunter harvest study	On-Going Throughout Operations
6iii	AREVA will conduct additional nest and den surveys along the winter road and all weather road corridors prior to construction.	Tier 1	Technical Appendix 1D-III	NA	Updated the WMMP (Appendix 6C) to include Active Migratory Bird Nest Surveys should land clearing be required during the nesting season.	Prior to Start of Construction
7i	AREVA will provide an updated marine shipping plan that will include details regarding compliance to the following regulations, standards, and guidelines, where appropriate: o Response Organization and Oil Handling Facility Regulations o Vessel Pollution and Dangerous Chemicals Regulations o Environmental Response Arrangement Regulations o Oil Handling Facilities Standards (TP 12402) o Release and Environmental Emergency Notification Regulations o Response Organization Standards (TP 12401) o Guidelines for Reporting Incidents Involving Dangerous Goods and Harmful Substances and/or Marine Pollutants o Marine Transportation Security Regulations	Tier 3	Technical Appendix 1D-III; Appendix 2J - Marine Transport	Section 3	At Project licensing, a revised MSP will be provided for review.	Prior to Completion of Licensing
7ii	The updated marine shipping plan will also include operators having double redundant radio equipment capable of communicating and coordinating with NORDREG and the Canadian Coast Guard	Tier 3	Technical Appendix 1D-III; Appendix 2J - Marine Transport	Section 3.6	AREVA will require all vessel operators to have double redundant radio equipment capable of communicating and coordinating with NORDREG and the Canadian Coast Guard.	

Post EA Information Identified in AREVA's Technical Comment Response Submission		Final Environmental Impact Statement (FEIS) September 2014				
No.	**AREVA Commitment**	**FEIS Tier**	**FEIS Volume or Appendix**	**FEIS Section**	**Comment**	**Timing of Additional Post EA Information**
9i PHC-86)	Discuss with NHC means to facilitate access to preferred housing on the part of AREVA's permanent workers.	Tier 2	Volume 9 Part 1 - Socio-Economic Environment	Volume 9 Section 11.1.4	AREVA and NHC representatives met in April 2014 to discuss this concern. Section 11.1.4 notes that while there is potential for people with incomes to move into private housing, this scenario has not been realized in comparable situations (e.g., the NWT diamond mining context). Given the effects assessment, both parties generally agree that the Project will not result in a negative effect on housing given: • evidence that Meadowbank did not result in significant migration to Baker Lake; • increased incomes enable people to move into the private market in principle; • intra-community migration, if it occurs, is most likely to result in moves out of social housing units improving the conditions for those previously in overcrowded units or potentially freeing up units; and • evidence of out-migration to southern communities by Meadowbank employees reducing some demand on housing. Mitigation on behalf of AREVA would not be proposed to lessen negative project effects on housing as the assessment will conclude a positive effect on housing. Both parties acknowledge that despite increased incomes able to support a move to the private market this has not been realized in a significant way. It is agreeable for AREVA and the NHC to work collaboratively to implement possible AREVA and other-led mitigation items that may help to encourage improved housing situations. Possible AREVA Mitigation: • Ongoing communication with the NHC throughout operations to identify opportunities for information sharing and collaboration. Possible initiatives could be the inclusion of financial literacy and information on the rent policy as part of future possible pre-employment training program(s) or as part of other available AREVA programming. NHC Mitigation: • Encourage the construction of more affordable private sector housing with prices reasonable to be paid off during continuous employment during the anticipated mine life • NHC rent and housing allocation policies that encourage the move from social to private sector housing	
9ii	Licenses and permits required for heritage resource protection will be applied for during the appropriate stage. Details will be included in the Archaeology Mitigation Plan and Road Management Plan.	Tier 3	Volume 9 Part 2 - Heritage Resources	Appendix 9D Archaeology Mitigation Plan, Sections 2.3	Details included in Tier 3 Volume 9 Appendix 9D section 2.3	Prior to Completion of Licensing
10i	An updated contact list regarding Government Mandatory Reporting Requirements will be provided at Project licensing. GN Department of Health and Social Services contact information will be added to this list.	Tier 3	Technical Appendix 1D-III; Appendix 10C - ERP	Attachment A in Appendix 10C ERP updated	A contact list is included as an attachment to Appendix 10C - Emergency Response Plan. The contact list regarding Government Mandatory Reporting Requirements will be updated and provided at Project licensing.	Prior to Completion of Licensing
10ii (PHC-45)	An updated spill contingency plan compliant with applicable Nunavut Environmental Protection Act and Nunavut Spill Contingency Planning and Reporting Regulations requirements will be provided for review and approval at Project licensing.	Tier 3	Appendix 10B - Spill Contingency	Section 2.5 and 2.5.2 reviewed and minor updates, Section 1 Introduction, 1.3 Revisions to Plan Updated	Plan reviewed against Nunavut Environmental Protection Act and Nunavut Spill Contingency Planning and Reporting Regulations requirements and plan updated accordingly, including commitments for reviews and updates.	Prior to Completion of Licensing

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Tier 1 Technical Appendix 1A:
Conformity Table

Additional FEIS Revisions – Part 3:
BQCMB Requests

September 2014

Part 3 – BQCMB Requests		Final Environmental Impact Statement (FEIS) September 2014	
BQCMB Issue	**BQCMB Recommendation or Position**	**AREVA Suggested Approach**	**Inclusion in FEIS**
1	*Inuit Qaujimajatuqangit:* • Clearly demonstrate how Inuit Qaujimajatuqangit (IQ) has been integrated into adaptive mitigation and monitoring plans designed to prevent or reduce project-related effects on the environment. • Provide specific examples of use of IQ.	AREVA will improve the incorporation and integration into the EIS and provide an associated 'roadmap' that will provide examples of IQ integration.	A road map is provided in the FEIS to facilitate the examination of how IQ and engagement were integrated into the FEIS.
2	*Aboriginal Traditional Knowledge:* • Meet with caribou harvesters from Athabasca and Manitoba Denesuline caribou range communities specifically to describe the Kiggavik Project and its DEIS. • Clearly describe how experience with Saskatchewan's uranium mines and ATK information from NWT, SK and MB caribou range communities have been incorporated and used: a) in the effects assessment and cumulative effects assessment for caribou; and b) to develop mitigation measures and monitoring programs for caribou.	• AREVA agrees to include lessons learned in Nunavut and other jurisdictions in the FEIS • AREVA agrees to offer meetings to discuss the proposed Kiggavik Project to the communities of Lutsel K'e, NWT; Black Lake, Hatchet Lake and Fond du Lac, SK; and Lac Brochet and Tadoule Lake, MB. • AREVA agrees to include discussions on road management in suggested agendas during meetings in NWT, SK and MB communities. • AREVA is open to the inclusion of community-informed mitigation recommendations and best practice including that provided by BQCMB.	• The FEIS examined detailed atmospheric dispersion predictions and monitoring results from the Meadowbank Mine and the Ekati Mine, and adjusted the Kiggavik Project atmospheric modeling accordingly (Tier 2, Volume 4, Attachment 4E). This review also informed the development of the Air Quality Monitoring and Mitigation Plan (Tier 3, Appendix 4B). The Environmental Management Plan (Tier 3, Appendix 2T) outlines the environmental protection continual improvement and adaptive management framework. • AREVA offered meetings to discuss the Kiggavik Project with the communities of LutselK'e, NWT; Black Lake, Hatchet Lake and Fond du Lac, SK; and Lac Brochet and Tadoule Lake, MB. AREVA met with the Chief and Council in LutselK'e in July 2012. A follow-up meeting was discussed in 2014 and continued correspondence and a possible meeting prior the final hearing is expected.. AREVA met with the Chief and Council of the Northland Denesuline in Lac Brochet and the Chief and Council of Sayisi Dene in Tadoule Lake and held a public meeting in Tadoule Lake in June 2014. Correspondence has been exchanged with the Athabasca Denesuline representing the communities of Black Lake, Hatchet Lake and Fond du Lac, SK. AREVA and Athabasca Denesuline representatives have expressed interest to meet prior to the final hearings. AREVA has been available to discuss the Kiggavik Project at public meetings in Black Lake, Fond du Lac and Hatchet Lake and has discussed the Kiggavik Project with the Athabasca Working Group, with representatives of the Athabasca Dene communities (Tier 2, Volume 3 Part 1, Section 3.4.11; Tier 3 Volume 3A Part 9). • Road Management was a topic discussed at the above meetings • Considering the objectives of intervener funding provided for the Kiggavik Project and the goals and objectives of the BQCMB that include the use and knowledge of traditional harvesters and community members in caribou management recommendations, AREVA requested the BQCMB provide suggested best practices and mitigation measures for consideration. The community meeting summaries and advice provided to AREVA during the April 2014 meeting with the BQCMB have been incorporated into the assessment and management plans. .
3, 8	*Effects and cumulative effects assessments:* • Use cautious approach given all the uncertainty; the basis for assessment should be that herds will probably interact with the project, rather than they probably will not interact. • b) To address the caribou cycle, include predictions of effects on caribou for several possible future situations with caribou herds at different stages in their natural cycle of abundance (for example - low numbers and declining, medium numbers staying steady, medium numbers and increasing).	• AREVA will present the assessment clearly identifying areas of uncertainty and the subsequent influence on assessment confidence and proposed monitoring. • AREVA will present the assessment clearly identifying areas of uncertainty and the subsequent influence on assessment confidence and proposed monitoring.	• Acknowledged uncertainty about caribou distribution as a technical limitation, details discussed in in Tier 2, Volume 6, Section 13.1.4. • Acknowledged uncertainty as a technical limitation and discussed in detail in Tier 2, Volume 6, Section 13.1.4. That section describes the herds that were considered in the effects assessment. The caribou energetics model modelled caribou population trends through to 2040.
4	*Effects assessment, mitigation and adaptive management:* Use other distribution monitoring data to fill gaps in collar data to fine-tune project design for mitigation (e.g., for roads) and adaptive management, determine ZOI, predict effects and identify needed changes to mitigation; other data could include survey data, local knowledge/mapping of caribou movements and caribou trails, local monitoring of caribou movements.	AREVA will incorporate the lessons learned from the other mines into the understanding of the effectiveness of mitigation measures to maximize the porosity of project infrastructure (e.g. roads and pipelines) to caribou.	The adaptive management framework (Tier 3, Appendix 2T) will combine the results of air quality monitoring and mitigation plan (Tier 3, Appendix 4B), project-specific caribou monitoring (Tier 3, Appendix 6D), and through our support of regional monitoring efforts, collaring information, to evaluate the accuracy of predictions and identify continual improvement initiatives and any adaptive management requirements.
5, 8	*Effects and cumulative effects assessments:* • To better assess the different ways caribou can be affected and how effects add up, conduct analysis that combines the effects on caribou health and movements with effects on habitat and mortality, rather than including only effects on habitat and mortality (as was done in Draft EIS). • Use an improved approach for assessing habitat availability that is based on more than classification of land cover (vegetation types, water, rocks etc.) and that includes consideration of climate change effects in cumulative effects.	• AREVA will present the combined effects on caribou in the FEIS and will re-screen the potential for cumulative effects given the new information made available since the submission of the DEIS. • AREVA will undertake a sensitivity analysis of the ELC.	• Achieved through the addition of energetics modelling. • Revised Tier 2, Volume 6, Section 13.2.2.1 – Analytical Methods for Change in Habitat Availability. • Integrated analysis of ELC accuracy into Tier 3, Appendix 6C (Wildlife Baseline) Section 4.5.1 - Habitat Suitability Rankings. • Revised the discussion about climate change effects on caribou in Tier 2, Volume 6, Section 13.5.3 – Effects of Climate Change on Project and Cumulative Effects on Caribou and Muskox. • Climate change effects on caribou is discussed in Volume 6, Section 13.5.3 – Effects of Climate Change on Project and Cumulative Effects on Caribou..

Part 3 – BQCMB Requests		Final Environmental Impact Statement (FEIS) September 2014	
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6	*Zone of Influence (ZOI) - Mitigation, monitoring and adaptive management:* a) AREVA to: • place emphasis on designing the project to minimize the ZOI on caribou; ii) conduct monitoring to see if measures used are successful or if they need to be changed to decrease effects on caribou.; • set up thresholds in advance to identify when measures for minimizing effects on caribou need to be changed; and • monitor the interaction of caribou with the ZOI using aerial and land- based surveys and community monitors as well as tracking collared caribou cows. b) AREVA to: • describe mitigation options that will be considered if a threshold size of Zone of Influence is exceeded; • describe how the threshold and types of mitigation will be changed as caribou numbers change; and • provide examples to demonstrate methods for adaptive management.	*Applies to 6a and 6b:* AREVA will include the Zone of Influence as part of AREVA's Environmental Protection Framework that includes continual improvement and adaptive management.	• Updated mitigation actions in the Wildlife Mitigation and Monitoring Plan (WMMP – Appendix 6D) that reflect an emphasis on minimizing the ZOI on caribou. • Updated the WMMP (Appendix 6D) to clearly state the principles of monitoring program are to verify predictions and change operations accordingly if effects predictions are exceeded to the point that a significant effect could occur. • Updated the WMMP (Appendix 6D) to identify management thresholds in the monitoring programme table summaries. • Updated the WMMP to better reflect the caribou monitoring options available to AREVA and other parties. • Identified the current known extent of mitigation options available to AREVA in the WMMP (Appendix 6D). Estimates of the ZOI used for assessment purposes err on the side of caution and it is unlikely that effects will be observed at those distances. • Mitigation applies to all caribou regardless of changes in caribou numbers. • The adaptive management framework (Tier 3, Appendix 2T) will combine the results of air quality monitoring and mitigation plan (Tier 3, Appendix 4B), project-specific caribou monitoring (Tier 3, Appendix 6D), and through our support of regional monitoring efforts, collaring information, to evaluate the accuracy of predictions and identify continual improvement initiatives and any adaptive management requirements.
7	*Monitoring and cumulative effects assessment:* Use statistically designed monitoring that includes ash levels in caribou fecal pellets and lichens (to measure dust uptake) at a gradient of distances from the site.	AREVA will include lichen and caribou fecal pellets as components in the air quality monitoring plan. The plan will be based on a gradient study design	Lichen and caribou fecal pellet collections are components of the draft air quality monitoring and mitigation plan (Tier 3, Appendix 4B). The plan is based on a hybrid before-after control-impact gradient study design.
8	*Cumulative effects assessment:* • Do not exclude exploration projects from CE assessment; existing measures to address disturbance effects of exploration (i.e., Caribou Protection Measures (CPM) and minimum flight heights) do not eliminate effects on caribou or caribou harvesters. Observations of disturbance to caribou from exploration activities have been made both by harvesters and biologists • Include energetic costs and costs of displacement in the CE re-assessment, linking habitat to forage intake and cost to caribou of displacement (including all four effect categories: habitat, movement, health, mortality). • The base case used for comparison should be the pre-development landscape, rather than current conditions including all previous projects and their effects (with caribou already exposed to effects of exploration and development) • Ask NIRB for a regional CE assessment	• AREVA will cross reference the Kiggavik Project Inclusion List (PIL) with the list made available by the BQCMB for a completeness check, include footprints when available and present which projects the CPM apply to and those that the CPM do not apply. • AREVA will examine alternatives to include exploration activities in the cumulative effects assessment. • AREVA will present the combined effects on caribou in the FEIS and will re-screen the potential for cumulative effects given the new information made available since the submission of the DEIS. • AREVA will clarify the scope of activities listed as past, present and future and the use of assessment cases – base case, project case, reasonably foreseeable and far future. • AREVA is completing a CE assessment as part of the Kiggavik EIS. AREVA will evaluate any future opportunities to contribute to any future regional multi-party CE assessment initiatives as appropriate.	• Project Inclusion List (Tier 1, Appendix 1E) updated to include exploration projects. Exploration Projects considered in habitat loss evaluations and effects on movement and caribou energetics in Tier 2, Volume 6, Section 13. • Included an assessment of the project and cumulative effects on caribou energetics in the FEIS, Tier 2, Volume 6, Section 13. • Clarified the scope of activities considered in the cumulative effects assessment in Tier 1, Appendix 1E – Cumulative and Transboundary Effects. • A caribou cumulative effects assessment for the Kiggavik Project is presented in Tier 2, Volume 6, Section 13.3. • The spatial scale, the consideration of activities on the landscape and caribou energetics modeling framework provides one approach to the consideration of potential cumulative effects at the regional scale. • AREVA advocates that an initiative similar to the aquatics cumulative effects monitoring framework being contemplated for the Baker Lake Basin, be considered for the terrestrial environment.
9	*Mitigation for sustainability of caribou:* • Design monitoring and mitigation to accommodate possible dramatic changes in caribou distribution close to the mines. • Cooperate with Agnico-Eagle to expand their ongoing monitoring program for the Meadowbank Road; use the results to determine if action is needed to limit caribou harvest along roads in the region. *Monitoring:* Ask NIRB to establish a multi-party technical advisory committee for monitoring terrestrial wildlife, including caribou, which includes the BQCMB as a member.	• AREVA will evaluate the Meadowbank road monitoring program and lessons learned and determine its applicability to the Kiggavik Project. • AREVA will present in the FEIS the monitoring oversight of the proposed Kiggavik project including existing and anticipated monitoring initiatives and frameworks to facilitate the optimization and alignment of project monitoring to realize efficiencies and avoid potential redundancies.	• Updated the WMMP (Appendix 6D) to reflect the possibility that there could be dramatic shifts in caribou use of the area. The Wildlife Decision Matrix applies to any number of caribou using the area. • Included a "Lessons Learned" component in the WMMP (Appendix 6D) to reflect information used from similar projects. AREVA reiterates that harvest is a shared Nunavut Wildlife Management Board, Government of Nunavut, Regional Wildlife Organization, Hunter and Trapper Organizations responsibility. AREVA will collaborate with respect for these responsibilities and as appropriate. • AREVA advocates that an initiative similar to the aquatics cumulative effects monitoring framework being contemplated for the Baker Lake Basin, be considered for the terrestrial environment.