Appendix V1-1
Tables of Concordance

Table V1-1A. Table of Conformity

Table V1-1B. Table of Commitments

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Table V1-1A. Table of Conformity

Table V1-1A. Table of Conformity

Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
2.0 GUIDING PRINCIPLES	2.1 NIRB'S IMPACT REVIEW PRINCIPLES		An ecosystem-based approach must be adopted for the review - In order to gain an adequate understanding of the effects of the Project, an ecosystem-based approach must be adopted to ensure that the review addresses both the direct impacts that the Project will have on the various ecosystem components, as well as the interactions that will occur between components.	4, 5, 6, 7, 8	All	-	All
2.0 GUIDING PRINCIPLES	2.1 NIRB'S IMPACT REVIEW PRINCIPLES		Socio-economic issues, such as giving consideration to the potential for the Project to affect economic development within the region, must be included in the review Members of the community constitute a critical part of the environment, and their concerns relating to the Project need to be assessed by the NIRB. As such, adverse and beneficial effects of the Project on members of the community with respect to health, recreation, and other aspects of social well-being need to be addressed in the EIS, in order to ensure a culturally holistic understanding of the Project's effects.	8	All	-	All
2.0 GUIDING PRINCIPLES	2.1 NIRB'S IMPACT REVIEW PRINCIPLES		An understanding of past and potential future environmental, economic, and social trends in the region potentially affected by the proposed Project, and how the Project will influence these trends is required - The inclusion of a time perspective on all phases of the Project, from the early planning stages through operations and closure including post-closure and maintenance phases where appropriate. It is important to include all phases of the Project in order to provide the NIRB with a full understanding of the cumulative environmental effects in combination with other past, present and reasonably foreseeable projects.	4, 5, 6, 7, 8, 9	All	-	All
2.0 GUIDING PRINCIPLES	2.1 NIRB'S IMPACT REVIEW PRINCIPLES		The well-being of residents of Canada outside the Nunavut Settlement Area must be taken into account – Significant transboundary biophysical and socio-economic effects directly related to this Project must be included in the EIS in order to ensure the NIRB's assessment of the well-being of Canadians outside of the NSA.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4 ,5, 6, 7 1, 3, 4, 5 1	X.7 X.7 X.7 X.7 X.7 1.4	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70, 7-57 2-41, 3-32, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 1-51 to 1-53
2.0 GUIDING PRINCIPLES	2.2 PUBLIC PARTICIPATION AND ENGAGEMENT		In preparing its EIS, the Proponent is required to engage potentially affected communities, its residents, Inuit Organizations, Aboriginal groups, and other governments or other organizations, including where relevant, adjacent jurisdictions outside of the Nunavut Settlement Area. Refer to the NIRB's Guide 6B: A Proponent's Guide to Conducting Business Consultation for the NIRB Environmental Assessment Process when preparing to consult with the general public. Public participation is required when: - Identifying current and historical patterns of land and resource use, - Acquiring traditional knowledge (TK), - Identifying VECs and VSECs, - Evaluating the significance of potential impacts, - Deciding upon mitigating measures, and - Identifying and implementing monitoring measures, including post-project audits.	3	1, 2, 3	1.3, 1.4, 1.5, 1.6, Table 1.6-1, 1.7, Appendices V3-1A, V3-1B, V3-1C, V3-1E, V3-1G, 2.1, 2.2, 2.3, 2.4, Appendix V3-2A, 3.2, 3.3, Appendices V3-3A, V3-3B, V3-3D	1-5 to 1-48, All 2-1 to 2-7, All 3-44 to 3-53, All
2.0 GUIDING PRINCIPLES	2.2 PUBLIC PARTICIPATION AND ENGAGEMENT		Another objective of the NIRB review process is to involve potentially affected Nunavummiut to address concerns regarding any changes that the Project may cause in the environment and the resulting effects of any such changes on the traditional and contemporary use of land/ice and resources. The Proponent must ensure that Nunavummiut have the information that they require in respect to the Project and on how the Project may impact them.	3	1, 3	1.3, 1.4, 1.5, 1.6, Table 1.6-1, 1.7, Appendices V3-1A, V3-1B, V3-1C, V3-1E, V3-1G 3.2, 3.3, Appendices V3-3A, V3-3B, V3-3D	1-5 to 1-48, All 3-44 to 3-53, All
2.0 GUIDING PRINCIPLES	2.2 PUBLIC PARTICIPATION AND ENGAGEMENT		The NIRB Review process requires the development of a public participation and awareness program to initiate engagement of the public during the initial stages of the Review, and to facilitate meaningful consultation with those communities potentially affected by a proposed project.	3	1	1.3, 1.4, 1.5, 1.6, Table 1.6-1, 1.7, Appendices V3-1A, V3-1B, V3-1C, V3-1E, V3-1G	1-5 to 1-48, All
2.0 GUIDING PRINCIPLES	2.2 PUBLIC PARTICIPATION AND ENGAGEMENT		The Proponent must provide the highlights of any public engagement within the EIS, including the methods used, the results, and the ways in which the Proponent intends to address the concerns identified.	3	1	1.3, 1.4, 1.5, 1.6, Table 1.6-1, 1.7, Appendices V3-1A, V3-1B, V3-1G	1-5 to 1-48, All
2.0 GUIDING PRINCIPLES	2.3 TRADITIONAL KNOWLEDGE		The Proponent shall not only incorporate TK into the baseline collection and methodologies, but further outline where management strategies, mitigation and monitoring plans, and/or operational considerations employ values of the Inuit Qaujimajatuqangit.	3	3	3.1.3, Table 3.1-1, Table 3.1-2, 3.3	3-2 to 3-43, 3-50 to 3-53
2.0 GUIDING PRINCIPLES	2.3 TRADITIONAL KNOWLEDGE		The Proponent must incorporate into the EIS the TK to which it has access or the TK that it may reasonably be expected to acquire through appropriate due diligence, in keeping with appropriate ethical standards and without breaching obligations of confidentiality.	3	3	Table 3.1-1, 3.2, Appendices V3-3A, V3-3B, V3-3C, V3-3D	3-3 to 3-42, 3-44 to 3-50, All
2.0 GUIDING PRINCIPLES	2.4 PRECAUTIONARY PRINCIPLE		The Proponent must demonstrate that the proposed Project is examined in a manner consistent with the precautionary principle in order to ensure that they do not cause serious or irreversible damage to the environment.	2 9	2 1	2.1.4 1.2.3, 1.3.4	2-2 to 2-3 1-4 to 1-17, 1-39 to 1-49
2.0 GUIDING PRINCIPLES	2.4 PRECAUTIONARY PRINCIPLE		The Proponent must outline the assumptions made about the effects of the proposed Project and the approaches to minimize these effects, including assumptions that are developed where scientific uncertainty exists	1 9 10	1, 10 1, 2 1	1.4.1, 10.1, 10.2 1.2.4.3, 1.3.5.1, 1.3.5.2, All 4.1, 4.3	1-5, 10-1 to 10-3, 10-3 1-20 to 1-27, 1-49 to 1-50, 1-50, All 5 to 6, 6 to 7

Table V1-1A. Table of Conformity

Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
2.0 GUIDING PRINCIPLES	2.4 PRECAUTIONARY PRINCIPLE		The Proponent must identify any follow-up and monitoring activities planned, particularly in areas where scientific uncertainty exists in the prediction of effects	1 9 10	10 1 All	All 1.2.3.1, 1.2.4.4, 1.3.5.3 All	All 1-5 to 1-16, 1-27, 1-50 to 1-51 All
2.0 GUIDING PRINCIPLES	2.4 PRECAUTIONARY PRINCIPLE		The Proponent must present public views on the acceptability of these effects.	3	1 3	1.6.2.3, 1.6.3, Appendix V3-1C 3.3.3	1-38, 1-39 to 1-47, All 3-52
2.0 GUIDING PRINCIPLES	2.5 SUSTAINABLE DEVELOPMENT		The EIS should clearly demonstrate how the Project preserves ecosystem integrity, including the capability of natural systems (local and regional) to maintain their structure and functions and to support biological diversity.	2	2	2.1.3	2-2
2.0 GUIDING PRINCIPLES	2.5 SUSTAINABLE DEVELOPMENT		The EIS should clearly demonstrate how the Project respects intergenerational equity. That is, the right of future generations to the sustainable use of renewable and non-renewable resources depends on our commitment to those resources today.	9 10	1 1	1.2.4 3	1-18 to 1-35 3 to 5
2.0 GUIDING PRINCIPLES	2.5 SUSTAINABLE DEVELOPMENT		The EIS should clearly demonstrate how the Project attains durable social and economic benefits, particularly in Nunavut.	2	1	1.8, 2.1.7	1-10 to 1-17, 2-4 to 2-5
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.5		The EIS will contain a Project description, including the purpose and need for the Project.	2	All	All	All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.6		The EIS will contain anticipated ecosystemic and socio-economic impacts of the Project.	4, 5, 6, 7, 8, 9, 10	All	All	All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.7		The EIS will contain anticipated effects of the environment on the Project	9	2	All	All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.8		The EIS will contain steps which the Proponent proposes to take, including any contingency plans, to avoid and mitigate adverse impacts.	1 4 5 6 7 8 10	7, 10, 11 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1. 3, 4, 5 All	All	All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.9		The EIS will contain steps which the Proponent proposes to take to optimize benefits of the Project, with specific consideration being given to expressed community and regional preferences as to benefits.	2 3	2 1	2.1.7, 4.1.5, 4.1.6 1.6.3	2-4 to 2-5, 4-2 to 4-3 1-39 to 1-48
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.10		The EIS will contain steps which the Proponent proposes to take to compensate interests adversely affected by the Project.	2 9	5 1	5.8 1.2.4.3	5-3 1-20 to 1-27
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.11		The EIS will contain the monitoring program that the Proponent proposes to establish with respect to ecosystemic and socio-economic impacts.	1 10	10 All	All All	All All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.12		The EIS will contain the interests in land and waters which the Proponent has secured, or seeks to secure.	1	Appendix V1-3	All	All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.13		The EIS will contain options for implementing the proposal.	2	4	4.1, 4.2, 4.3	4-1 to 4-29
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.14		The EIS will contain any other matters that NIRB considers relevant.	3	1 3	1.5.1 3.2.6	1-19 to 1-20 3-49 to 3-50
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.15		The EIS will demonstrate whether the project would enhance and protect the existing and future well-being of the residents and communities of the Nunavut Settlement Area, taking into account the interests of other Canadians	2 10	1 23, 26	1.8 3, All	1-10 to 1-17 2 to 3, All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.16		The EIS will demonstrate whether the project would unduly prejudice the ecosystemic integrity of the Nunavut.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7	1-15 to 1-31, 2-11 to 2-25 4-26 to 4-62, 5-131 to 5-242, 6-37 to 6-82, 7-18 to 7-63, 8-32 to 8-94, 9-30 to 9-58, 10-22 to 10-54 1-41 to 1-56, 4-26 to 4-59, 5-14 to 5-38, 6-44 to 6-70, 7-34 to 7-57 2-16 to 2-41, 3-12 to 3-33, 4-40 to 4-52, 5-22 to 5-34, 6-20 to 6-50, 7-15 to 7-37 1-15 to 1-29, 3-42 to 3-124, 4-33 to 4-82, 5-23 to 5-61
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.17		The EIS will demonstrate whether the proposal reflects the priorities and values of the residents of the Nunavut Settlement Area.	1 10	1 26,28	1.4 All	1-3 to 1-5 All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.18		The EIS will demonstrate steps which the proponent proposed to take to avoid and mitigate adverse impacts.	1 4 5 6 7 8 10	7, 10, 11 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1. 3, 4, 5 All	All	All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.19		The EIS will demonstrate steps which the Proponent proposes to take, or that should be taken, to compensate interests adversely affected by the project.	3	1	1.3.1.1, 1.5.3.3	1-5 to 1-6, 1-28 to 1-36
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.20		The Proponent will post performance bonds.	10	29	1.6.1, 1.7	2 to 5, 7 to 9
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.21		The EIS will contain the monitoring program that the Proponent proposes to establish, or that should be established for ecosystemic and socio-economic impacts.	1 10	10 All	All All	All All
3.0 SCOPE OF THE NIRB ASSESSMENT	3.1 NLCA - SECTIONS 12.5.2 AND 12.5.22		The EIS will contain steps which the Proponent proposes to take, or that should be taken, to restore ecosystemic integrity following project abandonment.	1 2 10	9 8 29	All All 3, 4, 5, 6	All All 14 to 29

Table V1-1A. Table of Conformity

Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.1 PRESENTATION		The Proponent shall provide an EIS that is complete and which provides sufficient information to identify, describe and determine the significance of potential impacts to the ecosystemic and socio-economic environments that could arise from the Project. The EIS should include scientific works, subject-specific studies and all other sources of information covering all aspects of the Project in regards to ecosystemic and socio-economic perspectives.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.1 PRESENTATION		For clarity and ease of reference, the EIS should be presented in the same order as the EIS Guidelines. However, the NIRB recognizes that flexibility in the arrangement of the document may be required and the Proponent is encouraged to use its judgment and best practices in designing a document that is arranged and formatted to facilitate ease of reviewing while ensuring that all the information requested in these Guidelines are provided. In the interest of brevity, the EIS should make reference to, rather than repeat, information that may be presented in other sections of the document.	All	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.1 PRESENTATION		An index of the EIS document is also required and must provide a reference to the locations of required information by volume, section, sub-section, and page number.	1	Appendices V1-7, V1-8	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.1 PRESENTATION		The EIS shall be made available to the NIRB electronically on searchable CD-ROM and/or memory stick, as well as in hard copy. If the Proponent chooses to submit the EIS via memory stick only, it shall be responsible to provide CD-ROM versions of the EIS if requested by the NIRB or parties.	-	-	-	N/A
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.1 PRESENTATION		For purposes of uploading distribution, individual file sizes should be no larger than 5 MB in size (using only low resolution images). If the Proponent determines that certain files are better presented with larger resolution, then these files should be submitted to the NIRB, however it should be noted that these files may only be distributed by the NIRB upon request, and that in this case, the Proponent may be required to provide hard copy mailings of such items.	-	-	-	N/A
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.1 PRESENTATION		Where certain volumes or sections of the EIS may exceed the 5 MB limit, the Proponent is required to break these files into manageable sizes for submission to the NIRB, in a manner that facilitates parties' ease of navigation of such files.	-	-	-	N/A
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.2 CONFORMITY		The EIS shall contain a concordance table directing reviewers to the location (volume/document, section, sub-section, and page number) where specific information addressing the Guidelines and the NIRB's Minimum EIS Requirements may be found.	1	Appendix V1-1	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.2 CONFORMITY		For each item in the concordance table, the Proponent is also requested to provide a reference to the appropriate EIS Guideline section for the ease of parties' review.	1	Appendix V1-1	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.2 CONFORMITY		This concordance table shall further include, where applicable, an indication of what information, details, or data the Proponent has deferred from its current submission and which it plans to include in the Final EIS. Where the Proponent is unable to provide information until submission of a Final EIS, it shall further provide within the concordance table, its rationale for deferring the inclusion of such information.	1	Appendix V1-1	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.2 CONFORMITY		It is possible that the EIS Guidelines include matters that, in the judgement of the Proponent, are not relevant or significant to the Project. If that definition of such matters results in omissions from the EIS, those instances must be clearly indicated and the Proponent should explain and justify its reasoning for each omission identified, so that the public and other interested parties have an opportunity to comment on this judgement. Where any differences in direction are encountered between the NIRB's most recent guidance on the preparation of EIS documentation (Guide 7 (NIRB, 2006b) or any subsequent replacement Guide in force at the time the EIS is being prepared) and the EIS Guidelines issued pursuant to the NLCA Section 12.5.2, the Proponent may be required to provide the additional information. The Proponent is advised to consult with the NIRB on any direction presented within these Guidelines on which it plans significant deviation.	Noted	-	-	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.3 LENGTH		The Proponent's EIS Main Document (i.e., Volume I) shall be concise and not exceed 150 pages without permission from the NIRB. The 150 page limit shall not include: the Title Page, Executive Summary, Popular Summary, Glossary, Table of Contents, Concordance Table, Consultants and Organizations, Appendix, and References.	1	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.3 LENGTH		Any data of a detailed nature shall be contained in separate volumes as appendices and technical reports submitted in support of the main document.	2, 3, 4, 5, 6, 7, 8, 9, 10	All	All	All

Table V1-1A. Table of Conformity

Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.3 LENGTH		The Proponent must submit a list of all documents, supporting maps, figures, documents, and tables used as reference materials throughout the EIS.	1	Appendices V1-7, V1-8	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall have sections numbered and be presented in a fully functional PDF format which supports electronic linkages between and among the Table of Contents and associated sections within the EIS document(s).	All	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The digital EIS document must be fully indexed and searchable using keywords.	All	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a cover sheet with a Project description.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	Cover	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain an executive summary (in English, Inuinnaqtun and Inuktitut).	1	Executive Summary	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a plain language summary/popular summary (in English, Inuinnaqtun and Inuktitut).	1	Plain Language Summary	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a glossary (in English, Inuinnaqtun and Inuktitut).	1	Glossary	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a Table of Contents.	All	Table of Contents	-	N/A
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a concordance table which lists each of the Guideline requirements and the associated location of each within the EIS.	1	Appendix V1-1	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a purpose of, and need for, the Project.	2	1	1.8	1-10 to 1-17
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a detailed Project description including potential future development.	2	2 3 6 7 8	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain alternatives considered in the development of the Project proposal.	2	4	4.1, 4.2, 4.3	4-1 to 4-29
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a discussion of the public consultation initiatives with the communities potentially affected by the Project. Provide the results of the public consultation, as well as evidence that community concerns were addressed in the planning of the Project activities.	3	1	1.3, 1.4, 1.5, 1.6, Table 1.6-1, 1.7, Appendices V3-1A, V3-1B, V3-1C, V3-1E, V3-1G	1-5 to 1-48, All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain baseline information and studies of the existing ecosystem and socio-economic environment.	4 5 6 7 8	All	X.1	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain anticipated ecosystemic and socio-economic impacts of the Project proposal, including potential impacts on the VECs and VSECs (and as identified through the public consultation process).	3 4 5 6 7 8	1 1, 2 4, 5, 6, 7, 8, 9, 10 1, 3, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1. 3, 4, 5	1.6.2 All All All All All	1-37 to 1-38 All All All All All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain anticipated effects of the environment on the Project.	9	2	All	All

Table V1-1A. Table of Conformity

Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain anticipated cumulative effects of the Project on the region/regions.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 3, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	 X.6 	1-29 to 1-31, 2-23 to 2-25 4-55 to 4-62, 5-197 to 5-1242, 6-69 to 6-82, 7-50 to 7-63, 8-70 to 8-94, 9-55 to 9-58, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37 to 5-38, 6-70, 7-56 to 7-57 2-39 to 2-41, 3-30 to 3-32, 4-50 to 4-52, 5-232 to 5-34, 6-35 to 6-39 to 6-48, 7-36 1-29, 3-104 to 3-120, 4-60 to 4-78, 5-61
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain anticipated transboundary effects.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	 X.7 	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain anticipated accidents and malfunctions, and potential effects on the environment, include contingency plans and mitigation measures.	9 10 	3, Appendix V9-3A 3 6 14 15	All, All 4.1, 4.3 8, 9 8.4 9	All, All 13 to 17, 27 to 35 23 to 31 19 to 21 16 to 18
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain steps which the Proponent proposes to take to avoid and/or mitigate adverse impacts, including contingency plans (spills, fires, floods, etc.) and adaptive management strategies.	1 4 5 6 7 8 10	7, 10, 11 1, 2 4, 5, 6, 7, 8, 9,10 1, 3, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1. 3, 4, 5 All	 All 	 All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a statement of residual impacts and significance.	1 4 5 6 7 8	6, 8 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All 1.5.5, 1.10, 2.5.5, 2.10 4.5, 6.5, 7.5, 8.5, 9.5, 10.5 1.5.5, 1.9, 4.5.5, 4.10, 5.5.5, 5.10, 6.5.5, 6.10, 7.5.5, 7.10 2.5.5, 2.10, 3.5.5, 3.10, 4.5.4, 4.10, 5.5.5,, 5.10, 6.5.5, 6.10, 7.5.4, 7.10 1.5.5, 1.10, 3.5.6, 3.10, 4.5.5, 4.10, 5.5.5, 5.10	All 1-28 to 1-29, 1-33, 2-23, 2-27 4-26 to 4-55, 5-131 to 5-197, 6-37 to 6-69, 7-18 to 7-50, 8-22 to 8-70, 9-30 to 9-55, 10-51 1-52 to 1-55, 1-57, 4-56 to 4-57, 4-63, 5-35 to 5-37, 5-42, 6-70, 6-74, 7-56, 7-61 2-39, 2-45, 3-30, 3-36, 4-49, 4-54, 5-22 to 5-32, 5-37, 6-20 to 6-36, 6-55, 7-36, 7-42 1-26 to 1-29, 1-31, 3-101 to 3-104, 3-130, 4-57 to 4-60, 4-85, 5-61, 5-62
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain steps which the Proponent intends to undertake in order to restore the area affected by the Project activities during operation and upon project closure, reclamation and relinquishment of leased land to original landowners.	1 2 10	9 8 29	All All 3, 4, 5, 6	All All 14 to 29
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain steps which the Proponent proposes to take to optimize benefits of the Project, with specific consideration being given to expressed community and regional interests.	2 3	5 1	All 1.6.3	All 1-39 to 1-48
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain the monitoring program that the Proponent proposes to establish.	10	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain the interests in lands and waters which the Proponent has secured, or seeks to secure.	1	Appendix V1-3	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain lists of permits, licences and authorizations required to undertake the Project proposal.	1	Appendix V1-2	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a list of consultants or individuals who assisted in preparation of the EIS.	1	Appendix V1-4	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain a list of agencies, organizations, and persons to whom copies of the EIS will be sent.	1	Appendix V1-5	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain an index.	1	Appendix V1-7	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.4 FORMAT		The EIS shall contain supporting documentation and appendices, including a commitments table that summarizes the proposed mitigation and other company commitments with cross reference to environmental issues or potential impacts.	1	Appendix V1-6	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.5 DATA PRESENTATION		The Proponent shall provide charts, diagrams, photographs, and maps (each of which clearly defines land ownership, provides a scale and indicates a north arrow) within the EIS document.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	All	All	All

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.5 DATA PRESENTATION		The Proponent shall include maps or diagrams showing all project related infrastructure and/or activities (e.g., RSA, LSA, camp sites, drilling activities, dock sites, fuel storage and laydown areas, mine site and infrastructure, transportation routes including ground transport, marine shipping and air transport, borrow pits and quarry sites, etc.). It is recommended that maps be scaled appropriately to best present materials and where feasible, to be of a common scale and projection to facilitate comparison.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.5 DATA PRESENTATION		All charts, diagrams, photographs, and maps must be clearly referenced in the text of the EIS, especially where these may be included in a separate volume to the main EIS document.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10	All	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.6 SUMMARIES	4.6.1 Executive Summary (in English, Inuinnaqtun, and Inuktitut)	The Proponent shall prepare an Executive Summary that describes the key Project elements and key findings of the EIS, with particular reference to the overall conclusions of the assessment, and a clear rationale relating those conclusions to the predicted impacts and the measures proposed to address them. The Executive Summary shall focus on items of known or expected public concern and the significant potential impacts of the Project and the methods proposed to address them. It shall also address outstanding issues and the strategies proposed to address them. The Executive Summary shall form part of the EIS, but it shall also be made available as a stand-alone document and must be provided in English, Inuinnaqtun and Inuktitut.	1	Executive Summary	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.6 SUMMARIES	4.6.2 Popular Summary (in English, Inuinnaqtun, and Inuktitut)	The Popular Summary shall have the same general structure and objectives as the Executive Summary, but is to be written in non-technical language and include such things as a glossary and additional explanatory text to assist non-specialists in appreciating the content of the EIS as a whole. Maps indicating major project components including shipping and ground transportation route(s), as well as the potentially affected communities shall be included, and the summary is to be provided in English, Inuinnaqtun and Inuktitut. The Popular Summary shall form part of the EIS, but it shall also be made available as a stand-alone document.	1	Plain Language Summary	All	All
4.0 GUIDANCE ON THE PRESENTATION OF THE ENVIRONMENTAL IMPACT STATEMENT	4.7 TRANSLATION		In addition to the Executive Summary, Popular Summary and Glossary being presented in English, Inuinnaqtun and Inuktitut within the EIS, the summary for each thematic volume shall also be translated into Inuinnaqtun and Inuktitut. If these summaries are included in a separate binder, this binder must be referenced within the EIS and be compiled for ease of reference. Maps shall indicate common and accepted place-names usually referred to by the local populations in their own language(s), in addition to official toponyms, especially where traditional Inuit place-names have been made official through the process outlined in Section 33.9 of the NLCA.	2, 3, 4, 5, 6, 7, 8, 9	Executive Summary	-	N/A
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify itself and explain current and proposed ownership of rights and interests in the Project, operational arrangements, and corporate and management structures.	2	1	1.1, 1.3	1-1, 1-2
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall specify the mechanisms used to ensure that corporate policies are respected.	2	1	1.1	1-1
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall present its environmental policy and shall specify how it applies to all businesses for which the Proponent has an operational responsibility (i.e., employees, contractors, subcontractors and suppliers), as well as describe its environmental reporting systems.	2	9	All	All
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall provide complete contact information, including telephone and fax numbers, postal and email addresses, and shall include, where necessary, separate addresses for its corporate, operations, or other relevant offices.	2	1	1.1 1.5.3.3	1-1 1-28
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall describe its past and/or present experience in the activities being proposed for the Project (e.g. exploration, open pit and underground mining, transportation networks involving air shipping, marine shipping, and winter and all-weather road components, etc.).	2	1	1.1, 1.7	1-1, 1-6 to 1-10
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify its record of compliance with governmental policies and regulations pertaining to environmental and socio-economic issues in past operations.	2	1	1.1	1-1
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify its operation safety, major accidents, spills and emergencies, and corresponding responses.	2	1	1.1	1-1
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify its record in honouring commitments on environmental and socio-economic matters in the event of planned or premature Project closure, whether temporary or permanent, or due to change of ownership.	2	1	1.1, 1.5	1-1, 1-2
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify its relations with Aboriginal peoples, including prior experience with any Impact and Benefits Agreements if appropriate.	2	1	1.1, 1.8	1-1, 1-10 to 1-17
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify its operations in Arctic and Sub-arctic regions.	2	1	1.2	1-2

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify its record in incorporating environmental and socio-economic considerations into construction, operations, maintenance, temporary closure (care & maintenance), final closure (decommission & reclamation), and post-closure.	2	1	1.1	1-1
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify corrective actions undertaken in the past, distinguishing between those taken voluntarily and those taken at the insistence of a third party.	2	1	1.1	1-1
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall identify and describe any obligations or requirements that it must meet to post a bond or other forms of financial security to ensure payment of compensation in the event of accidents that directly or indirectly result in major damage by the Project to the environment, as well as to cover the cost of planned or premature closure, whether temporary or permanent.	2	1	1.1	1-1
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		The Proponent shall provide information on the current status of Project financing, and financial preparedness to meet the requirements for reclamation and security should the Project proceed.	2	1, 8	1.1, 8.2, 8.3	1-1, 8-2, 8-2 to 8-4
5.0 INTRODUCTION	5.1 PROPONENT INFORMATION		If the Proponent does not have prior experience in exploration, mining, or transportation networks, particularly within this region, discussion should include how the experience will be obtained (e.g., other northern projects) and it shall explain the safeguards that it intends to put in place to compensate for a lack of experience.	1	Exec. Summary, 1	Exec. Summary, 1.1	lxi, 1-2
5.0 INTRODUCTION	5.2 REGULATORY REGIME		The Proponent shall present its understanding of the applicable regulatory regime by identifying the requirements of all relevant federal, territorial, and local environmental and socio-economic standards, laws, regulations, policies, guidelines and fiscal regimes relating to Project approval, construction, operations, maintenance and monitoring, temporary closure (care & maintenance), final closure (decommission & reclamation), and post-closure activities. This section should also explain how the requirements would be met and what specific governmental permits and approvals would be required. A list of currently held and required permits and licences, including dates of issue and expiry (as applicable), shall be appended. Requirements imposed by Article 12 of the NLCA may be excluded from this discussion.	2	1, 2	1.5, 2.3	1-2, 2-6 to 2-7
5.0 INTRODUCTION	5.3 REGIONAL CONTEXT		The Proponent shall describe in general terms the regional biophysical and socio-economic environments of the Kitikmeot Region and Nunavut as a whole, including: ecological land classifications, ecological processes and relationships, the location of other base and precious metal finds and other existing and potential developments, and current and future land use plans.	2 8	1 3	1.2 3.1, 3.6.2	1-2 3-1 to 3-25, 3-112
5.0 INTRODUCTION	5.4 LAND TENURE		The Proponent shall delineate on a map of suitable scale the legal boundaries of any areas to which it will acquire rights through lease or other tenure arrangements, including Crown land, Inuit Owned Land, and Commissioner's land. It shall further describe those areas by providing such information including, but not limited to, file numbers, start and end dates, fees, name of right holder and any post-authorization amendments and/or renewals. Ongoing exploration activities should be discussed wherever applicable to the discussion of Project land tenure.	2	1	1.3	1-2
5.0 INTRODUCTION	5.5 ANALYSIS OF NEED AND PURPOSE OF THE PROJECT		The Proponent will address general feasibility from an economic perspective, including how this Project will benefit communities in Nunavut, either directly or indirectly.	2 8	1, 5 3	1.8, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9 All	1-10 to 1-17, 5-1 to 5-4 All
5.0 INTRODUCTION	5.5 ANALYSIS OF NEED AND PURPOSE OF THE PROJECT		The Proponent will assess the longer term strategic implications of the Project, and how it may affect or lend to transportation networks (existing and proposed) in Nunavut.	2	1	1.8	1-10 to 1-17
5.0 INTRODUCTION	5.5 ANALYSIS OF NEED AND PURPOSE OF THE PROJECT		The Proponent will identify past, current and potential future users of the local study area (LSA), regional study area (RSA), and project infrastructure, including commercial, government, public, and private.	2 8	1, 2 3	1.8, 2.1.9 3.6	1-10 to 1-17, 2-5 to 2-6 3-104 to 3-120
5.0 INTRODUCTION	5.5 ANALYSIS OF NEED AND PURPOSE OF THE PROJECT		The Proponent will analyze the overall net benefit of the Project in terms of Nunavut and of Canada as a whole, which includes considerations that are not related to economics.	2 8	1, 5 3	1.8, 5.1, 5.2, 5.3, 5.4, 5.5 3.10	1-10 to 1-17, 5-1 to 5-3 3-130
5.0 INTRODUCTION	5.5 ANALYSIS OF NEED AND PURPOSE OF THE PROJECT		Discussions addressing the preceding four points shall be supported by an analysis of the positive and negative social and economic effects on existing industries, markets, and communities over the life of the Project.	8	1, 3, 4, 5	1.6, 3.6, 4.6, 5.6	1-29, 3-104 to 3-120, 4-60 to 4-78, 5-61
5.0 INTRODUCTION	5.5 ANALYSIS OF NEED AND PURPOSE OF THE PROJECT		The analysis should also indicate the distribution and magnitude of benefits and/or losses to specific socio-economic groups in the relevant study area.	2 8	5 1, 3, 4, 5	5.1, 5.2, 5.3, 5.4, 5.5, 5.7 1.6,3.6,4.6,5.6	5-1 to 5-3 1-29, 3-104 to 3-120, 4-60 to 4-78, 5-61
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall include an explanation of how the biophysical environment has influenced the design of the Project. This should include consideration of relevant geographical, geological, meteorological, hydrological, hydrogeological and oceanographic conditions.	9	2	All	All

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall include a discussion on how the potential of climate change based on current knowledge and its effects on the physical environment (e.g. hydrological regime, permafrost, coastal processes) has influenced the design, planning and management of the Project components and activities. Identification of Project sensitivity to changes in specific climate-related parameters should also be included.	2 9	2 2	2.1.2 2.15, 2.16	2-1 2-18 to 2-19, 2-19
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall include a discussion of how design, engineering, and management plans will maintain/enhance the existing eco-systemic integrity, focusing on various wildlife habitats, including freshwater habitat, marine habitat, and terrestrial habitat.	10	1 20	1 6	1-1 to 1-3 7 to 47
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall include a discussion of how the Proponent has applied the precautionary principle in its Project planning, design and management.	2 10	2 1	2.1.4 4.1	2-2 to 2-3 5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall include a discussion of how potential impacts to workers and the public under both normal operations and potential accident and malfunction situations have influenced the design of the Project.	9 10	3 25	All All	All All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall describe how potential impacts to wildlife (e.g., caribou, polar bear and peregrine falcons) have influenced the design of the Project, indicating methods designed to minimize impacts to wildlife, including the geographical location of project components. Special attention should be paid to the influence of raptor habitat on the selection of borrow pits and quarry sites (where applicable).	5 7	5, 6, 7, 8, 9, 10 6, 7	X.5.3, 5.5.8 6.5.3, 7.5.3	5-77 to 5-79, 5-147 to 5-152, 6-30 to 6-31, 6-76 to 6-81, 7-15 to 7-15, 7-61 to 7-64, 8-28 to 8-29, 8-88 to 8-92, 9-28 to 9-29, 9-56 to 9-60, 10-17 to 10-18, 10-50 to 10-54 6-36 to 6-39, 7-34 to 7-36
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall describe how regional socio-economic conditions have influenced the Project design. For example, how local preferences and labour capacity, have influenced the design of work rotations, pace of construction, employment policy, etc.	2 8 10	2, 4 3, 4 28	2.1.7, 4.1.6 All 7.1.3, 7.1.4, 7.1.5, 7.2, 7.3	2-4 to 2-5, 4-3 All 10 to 18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall describe how the distribution of archaeological resources, sacred sites, and soapstone quarries have influenced project design.	2 5 8	2 1 1	2.1.8 1.2 1.5, Appendix V8-1A	2-5 1-14 to 1-15 1-15 to 1-29, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall describe how current land use activities such as harvesting, camping, and tourism, as well as protected areas (i.e. Bird and Wildlife Sanctuaries) have influenced project design.	5 7 8	5, 6, 7, 8, 9, 10 5, 6, 7 4	X.5.3, 5.5.8 5.5.3, 6.5.3, 7.5.3 4.1, 4.2, 4.3	5-145, 5-147, 6-56, 7-40, 8-58, 9-50, 10-45 5-29 to 5-31, 6-36 to 6-39, 7-34 to 7-36 4-1 to 4-33
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall describe how public consultation and TK have influenced the planning and design of the Project.	3	1, 3	1.6.2, 1.6.3, 3.1, 3.3	1-37 to 1-38, 1-39 to 1-47, 3-1 to 3-43, 3-50 to 3-53
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		The EIS shall include considerations for future development.	2	3	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.1 PROJECT DESIGN		All assumptions underlying design features which are relevant to environmental assessment should be explicitly identified.	2 4 5, 6, 7, 8 9	2 1, 2, 3 X 2	2.1 1.1, 1.2, 1.5.2.2, 2.1.1, 3.4.1.2 X.8 X.8 X.8 X.8 All	1-31 to 1-33, 2-1, 3-41 1-1 to 1-11, 1-22 to 1-27, 2-1, 3-34 to 3-36, 4-62 to 4-63, 5-242 to 5-246, 6-82 to 6-88, 7-63 to 7-66, 8-94 to 8-98, 9-58 to 9-62, 10-54 to 10-57, 1-56 to 1-57, 4-59 to 4-62, 5-38 to 5-41, 6-71 to 6-74, 7-57 to 7-60 2-41 to 2-45, 3-33 to 3-36, 4-52 to 4-54, 5-34 to 5-37, 6-50 to 6-53, 7-37 to 7-40, 1-29 to 1-30, 3-124 to 3-128, 4-82 to 4-84, 5-61 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.2 PROJECT PHASES		The Proponent is required to present an overall development plan describing the Project development phases (site preparation, construction, operation, maintenance, any potential modifications, temporary closure, final closure, and post-closure), relevant timeframes, works and undertakings associated with each of these phases.	2	2	2.2, All	2-6, 6-1 to 8-10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.2 PROJECT PHASES		The plan must consideration for temporary closure, or care & maintenance in the possibility that operations are unexpectedly suspended.	10	29	3	14 to 17
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.2 PROJECT PHASES		The Proponent should identify all associated monitoring and/or mitigation plans to be implemented in each of the development phases to eliminate or minimize adverse effects that might occur at various project stages for each Project element.	10	1	13	15 to 20
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.3 FUTURE DEVELOPMENT		The Proponent shall describe its plans for development of the Project, and shall further, evaluate any foreseeable expansions of the current Project, needs for required or additional infrastructure and the associated eco-systematic and socio-economic impacts.	2	3	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.3 FUTURE DEVELOPMENT		The Proponent shall evaluate the potential for development of additional ore deposits in the Project area in accordance with previous and current exploration activities. Such an evaluation should be based on the Proponent's business and strategic plans for the Project, other predictions and the comparable development realized by projects of a similar nature.	2	3	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.3 FUTURE DEVELOPMENT		The Proponent shall discuss how their foreseeable future developments scenarios have been taken into consideration when designing the infrastructure and ancillary utilities for the Back River project.	2	3	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.3 FUTURE DEVELOPMENT		The Proponent's assessment of cumulative impacts of the Project shall also include their future development outlined in the preceding scenarios.	1 9	8 1	All 1.3.4.1, 1.3.4.2	All 1-39 to 1-49

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The EIS shall include an explicit analysis of all alternative means of carrying out the Project components or activities, including a "no-go" alternative, the identification and application of criteria used to determine the technical feasibility and economic viability of the alternatives to the Project (e.g. transportation, natural, social, economic and cultural environment).	2	4	4	4-1 to 4-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		This analysis must be done to a level of detail which is sufficient to allow the NIRB and the public to compare the Project with the alternatives in terms of the economic and environmental costs, as well as the social and economic impacts and/or benefits.	2	4	4	4-1 to 4-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The Proponent must include reasons for selection of the Project as the preferred alternative, and the reasons for the rejection of other alternatives.	2	4	4	4-1 to 4-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The reasoning should outline the environmental and social impacts and benefits in addition to the economic costs of non-viable or rejected alternatives.	2	4	4	4-1 to 4-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		Through the course of its alternative assessment, if the preferred option changes, the Proponent should consult with the NIRB to determine whether this proposed change would result in a change to the scope of the Project as filed with the Board.	2	4	4	4-1 to 4-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The EIS shall present alternatives for all Project components. The Proponent is encouraged to refer to Environment Canada's Guidelines for the Assessment of Alternatives for Mine Waste Disposal (September 2011), when assessing and presenting alternatives for mine waste management, including tailings and waste rock storage options, with a focus on the following:	2	4	4	4-1 to 4-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		i. Options proposed for the transportation of supplies to the Project site via air and marine shipment,	2	4	4.2.2	4-4 to 4-8
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		ii. The location of tank farm(s) and storage facilities on site,	2	4	4.3.9	4-27
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		iii. Options for proposed airstrips,	2	4	4.2.2.1, 4.2.2.2	4-4 to 4-5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		iv. Options for quarry sites,	2	4	4.3.2	4-23 to 4-24
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		v. Options for water sources,	2	4	4.3.4.1	4-24 to 4-25
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		vi. Access to all identified ore deposits by underground or open pit methods and include potential infrastructure layouts,	2	4	4.2.3, 4.2.7	4-8 to 4-9, 4-18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		vii. Alternative road access to all identified ore deposits for transportation or ore and equipment required at each deposit,	2	4	4.2.2.4, 4.2.2.5, 4.2.3	4-7 to 4-9
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		viii. Alternatives for processing the ore,	2	4	4.2.4	4-9 to 4-11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		ix. Alternatives for cyanide,	2	4	4.2.4.2, 4.2.9.5	4-10, 4-21
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		x. Alternatives for tailings storage,	2	4	4.2.5	4-11 to 4-16
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		xi. Alternatives to diesel power generation, including solar energy, wind energy, hydro and geothermal energy, etc.,	2	4	4.2.10	4-21 to 4-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		xii. Closure and reclamation options,	2	4	4.2.11	4-22 to 4-23
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		xiii. Mine waste management and disposal,	2	4	4.2.6	4-16 to 4-18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		xiv. Waste rock storage/disposal alternatives,	2	4	4.2.5.5, 4.2.6	4-16 to 4-18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		xv. Methods for site water treatment (i.e., mill, sewage, tailings, storm water, etc.), and	2	4	4.2.9, 4.3.7	4-19 to 4-21, 4-27
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		xvi. Methods for mine de-watering.	2	4	4.2.9, 7.2.4.4, 7.2.5.6, 7.10	4-19 to 4-21, 7-19 to 7-20, 7-23 to 7-24, 7-42 to 7-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The Proponent shall provide a detailed assessment of alternatives to the preferred option of a Proponent-owned all-weather road from the Back River site to a laydown area at Bathurst Inlet, including consideration for other potential users of such facilities at any point in the project lifecycle (public users, other development proponents, etc).	2	4	4.2.2.3	4-6 to 4-7
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The Proponent shall also examine alternative options facilitating the transportation of materials,,for example, alternative port locations, road options (routing, winter vs. all-season) and ownership scenarios. Specifically, the Proponent shall describe any plans to utilize the proposed Bathurst Inlet Port and Road (BIPR) project infrastructure (NIRB File No. 03UN114) rather than a purpose-built road owned by the Proponent. In any instance where there is more than one preferred option identified, the Proponent must be prepared to support each with an appropriate level of impact assessment.	2	4	4.2.2, 4.2.8	4-4 to 4-8, 4-18 to 4-19

Table V1-1A. Table of Conformity

Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		In all cases, the Proponent must provide adequate supporting assessment to justify the discounting of technical feasible options or alternatives for project components. If at any point the Proponent wishes to change the preferred option to an identified alternative, this must be formally submitted to the NIRB for consideration and the possible amendment of these EIS Guidelines.	2	4	4, Appendix V2-4A, Appendix V2-4C	4-1 to 4-29, All, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		In its assessment of the economic viability for each alternative option, the Proponent shall give due consideration to the vulnerability of the arctic ecosystem, as well as the potential for extension of the life of the Project. The criteria used to evaluate alternative means should reflect the potential concern for both the short-term (during construction and operations) and long-term (after decommissioning and reclamation), physical/chemical stability and environmental impacts of the Project.	2	4	4.1, Appendix V2-4A, Appendix V2-4C	4-1 to 4-3, All, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		The potential for impacts from each alternative under consideration should be discussed within the context of potential interactions with other past, present and reasonably foreseeable developments in the RSA (i.e. cumulative effects), in accordance with Section 7.11. The potential cumulative effects for each alternative should be presented in enough detail so as to be comparable with the assessment for the identified "preferred alternative".	2 9	4 1	All 1.3.4, 1.3.5	4-1 to 4-29 1-39 to 1-51
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.4 ALTERNATIVES		As indicated in the public consultation section (Section 7.1), public opinions and preferences shall also be taken into consideration as a criterion in the assessment for all of the alternative options. Therefore, the alternative analyses shall include a discussion on how public consultation has influenced Project design and planning, and how public preferences have been considered by the Proponent in determining the preferred project alternatives.	2 3	4 1	4.1.5, 4.1.6, Appendix V2-4A, Appendix V2-4C 1.6	4-2 to 4-3, All, All 1-36 to 1-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		The EIS shall include a description of the various economic components of the Project and its interactions with the over-arching economic and governing environments, including:	-	-	-	-
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		i. Non-confidential information pertaining to the potential taxation revenue to be contributed to the Federal and Territorial governments as well as anticipated royalties to be paid to NTI,	8	3	3.5.2, Appendix V8-3B	3-46 to 3-48, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		ii. Estimates of initial property value as well as projections that incorporate the Proponent's expected timeline for expansions (i.e., tank farms, plans, additional mines, etc.),	2 8	5, 6 3	5.1, 6.7 3.5.3.1	5-1, 6-40 3-48 to 3-61
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		iii. Potential employment available directly through the Project in terms of available labour and employment rates within the project RSA,	8	3	3.1.2.2, 3.3.1, Appendix V8-3B	3-3 to 3-6, 3-27 to 3-29, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		iv. An evaluation of the positive impacts that may result from increasing revenues accruing through taxes to governments as resulting from the Project,	8	3	3.5	3-42 to 3-104
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		v. An annual and project-life total estimate of the volume of fuel that is expected to be sourced from the GN and/or from other sources,	10	4	6.2, 6.3, 6.4, 6.5	4 to 11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		vi. An estimate of total payroll tax to be paid each year and associated cost of living tax credit, taking into account: total remuneration per year paid to employees, an estimate of the number of employees (number of individuals and number of full-time equivalents), average wages paid to employees, and expected number of Project employees who will file taxes in the territory,	8	3	3.5.3.1, 3.5.3.3	3-48 to 3-61, 3-64 to 3-80
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		vii. An estimate of annual personal income tax based on: expected number of employees who will file taxes in Nunavut, and estimated salaries for these employees,	8	3	3.5.3.1, 3.5.3.3	3-48 to 3-61, 3-64 to 3-80
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		viii. An estimate of corporate income tax including: estimates of commodity prices and production, estimated number of years of production before initial corporate income tax payment, and an explanation of how the Proponent expects to allocate its corporate taxable income to permanent establishments in Nunavut,	8	3	3.5.2.2, Figure 3.5-2, Figure 3.5-4, Figure 3.5-5	3-47 to 3-48, 3-53, 3-58, 3-59
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		ix. Capital costs, estimated operating costs, and the total expected revenues (using a range of market values),	8	3	3.5.3.1	3-48 to 3-61
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		x. The number of person years of work, broken down by Project life cycle stage including the number and types of jobs and required skills (using a recognized classification system) including training requirements for each position as well as an estimate of jobs created indirectly by the Project (i.e., local business and supply contracting),	8	3	3.5.3.2, 3.5.3.3, 3.5.3.4	3-61 to 3-84
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xi. Information on benefits that might be expected by employees and whether these benefits will extend to contractor employees (e.g., training, skill enhancement, cultural support, wellness programs),	10	28	7.1, 7.3	9 to 13, 15 to 18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xii. Contracting and procurement information including, an estimate of the number and types of jobs that will be done by contractors and what, if any, the contractor obligations to employees will be,	8	3	3.5.3.2, 3.5.3.3	3-61 to 3-80

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Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xiii. Employee housing, including number of employees expected to be residing onsite or in workers' camp(s), on-site services and facilities for workers, transportation to/from work and proposed work schedule,	2	5	5.6	5-2
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xiv. A discussion of the commuting arrangements for locally hired employees, and how the Proponent plans to support the fly-in/fly-out workforce with in-community liaison workers,	2 10	5 26	5.6 4, Table 7.1-1	5-2 to 5-3 4, 5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xv. An outline the scope, progress, and potential success of the development of an Inuit Impact and Benefit Agreement (IIBA) with the Kitikmeot Inuit Association. Discussion of potential IIBA negotiations should consider all potentially impacted communities within the RSA,	2	5	5.8	5-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xvi. For issues within the IIBA that are not made public, the Proponent should outline how they will facilitate cooperation while maintaining any confidentiality, and	2 3	5 1	5.8, 5.9 1.5.3.3	5-3 1-33
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		xvii. Any issues related to compensation required as a result of the Project.	2	5	5.9	5-3 to 6.1
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		While some details relating to tax estimates and corporate profits are highly sensitive and it is recognized that certain information may be confidential and not be publicly available, the Proponent is encouraged to engage with the GN in order to share what information it can as it relates to the mechanics behind its corporate tax estimates (e.g. forecasts of commodity prices, assumptions regarding profits, etc.). The NIRB requests that information which may be available in other areas of the EIS be clarified as to the Proponent's estimation of any related tax impacts for clarity and ease of analysis.	8	3	3.5.2.2, Figure 3.5-2, Figure 3.5-4, Figure 3.5-5	3-47 to 3-48, 3-53, 3-58, 3-59
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		With respect to overall operating environment, many governance structures or other social components relating to community and territorial leadership can come to bear upon an operator such as Sabina. It is important to understand the Project in terms of the environment in which it operates. The Proponent shall therefore provide the following as it relates to governance and leadership in terms of the Project development:	2	5	5.9	5-3 to 6.1
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		i. A description of the current social and governmental regimes in the Project region, structure and functions of the governments, Inuit organizations, other co-management organizations and interactions among those organizations,	8	3	Appendix V8-3A	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		ii. A discussion of how potential conflict of interest will be managed in current governance regime during Project development,	2	5	5.9	5-3 to 6.1
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		iii. A discussion of how Project planning meets the needs of regional economic development plans (community wellness initiatives, Hamlet programs, housing etc.), where applicable, and which are managed by Federal and territorial governments agencies and Inuit organizations,	8	3	Appendix V8-3A	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		iv. A description of the Proponent's understanding on the roles that governments play in the process of the Project development, and associated requirements and obligations for proponents by policies and regulations,	8	3	Appendix V8-3A	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		v. A description of the roles of the various parties in socio-economic monitoring programs and the Kitikmeot Socio-Economic Monitoring Committee, and a description of how the Proponent anticipates contributing to this framework,	10	23	4	3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		vi. A discussion of efforts to be made by the Proponent within existing regulatory framework and government initiatives, in terms of education and skill training, community facility development, and other initiatives planned by the Proponent, and	10	28	7.3	15 to 18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.5 ECONOMIC AND OPERATING ENVIRONMENT		vii. Other social and economic responsibilities of governments in the Project impacted regions.	2	5	5.9	5-3 to 6.1
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION		The Proponent shall describe the Project components and all activities associated with each component in a systematic way. This description shall encompass all phases of development in sufficient detail to allow the Proponent to predict potential adverse environmental effects and address public concerns about the Project, from site preparation through to construction, operations, maintenance, any potential modifications and/or expansions that may be required during the operations phase based on exploration results, temporary closure, final closure, and post closure activities.	2	All	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION		The description must include an approximate timeline for each Project component and all activities associated with each component, where applicable.	2	2	2.3.1, 4.2, 6.7, 6.6.13.5, 7.2.3, 7.2.4, 8.1	2-7, 4-3 to 4-23, 6-40, 7-14 to 7-20, 8-1 to 8-2
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION		The description shall also include changes that may occur in the vicinity as a consequence of the Project.	2 10	2 8	2.1 5, Appendix B	2-1 to 2-6 20 to 27, All

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION		Where specific codes of practice, guidelines, and/or policies may apply to items to be addressed, and particularly where these may involve thresholds and quantitative limits to be applied, those documents must be cited and may be included as appendices to the EIS.	2 10	All All	All All	All All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION		For greater clarity, the detailed description of Project components and activities, where appropriate, shall cross-reference the impact assessment, environmental management and overall development plan sections of the EIS.	2	2	2.1	2-1 to 2-6 8-2 to 8-6
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1 Mine Sites on Goose Property and George Property		2	6	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	The Proponent shall describe the ore resources at each of the proposed mine sites, including where appropriate:	2	7	7.1	7-1 to 7-13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	i. Deposit locations, including detailed maps of the mine site areas using latitude and longitude coordinates,	2	7	7.1	7-1 to 7-13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	ii. Detailed structural geology maps,	2	7	7.1	7-1 to 7-13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	iii. The bedrock lithology and mineralogy in the Project area,	2	7	7.1	7-1 to 7-13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	iv. A description of the overburden including texture/grain size, moisture/ice content, and occurrence of ice lenses and implications for the Project,	2	6, 7	6.6.4, 6.6.13.3, 7.1.3, 7.14, 7.1.5	6-24 to 6-25, 6-34 to 6-38, 7-7 to 7-8, 7.8 to 7-13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	v. Fractures and their implications to the Project,	2	7	7.1.2.2, 7.1.3, 7.1.5	7-6, 7-7 to 7-8, 7-10 to 7-13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	vi. Types of the deposits and associated bedrocks,	2 5	2 1	2.1 1.1	2-1 to 2-6 1-1 to 1-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	vii. Average and range of ore grades estimated for the deposits,	2	7	7.1.2, 7.2.3, 7.2.8.1	7-5 to 7-7, 7-14 to 7-15, 7-28 to 7-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	viii. The nature, depth, and thickness of the ore deposits to be mined,	2	7	7.1.2	7-5 to 7-7
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	ix. The mineralogy and geochemistry of ore and waste rock including acid rock drainage (ARD) and metal leaching (ML) potential as well as the acid neutralizing potential, and	2 5	2, 7 2	2.1, 7.2.7.5, 7.2.8.3	2-1 to 2-6, 7-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.1 Geology/Mineralogy of the Ore Deposit	x. Ore body delineation.	2	7	7.1.2	7-5 to 7-7
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	The Proponent shall describe the ore mining, transportation and processing associated with the Project, using maps and diagrams whenever applicable, including the following details:	2	4, 7	4.2.5, 7.2, 7.9	4-11 to 4-16, 7-13 to 7-20, 7-40 to 7-42
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	i. A mining plan indicating the sequence of development for the proposed open pits and underground mines at Goose and George properties,	2	7	7.2.3	7-14 to 7-15
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	ii. A description of the open pits and underground mine design, mining methods, operation, and processing including site layout, mine water management, anticipated production rate, designed production capacity, production schedule, equipment selection, energy consumption and energy efficiency measures,	2	4, 7	6.6, 7.2, 7.3, 7.4, 7.10	6-19 to 6-40, 7-13 to 7-33, 7-42 to 7-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	iii. Provision and description of flow sheets depicting ore processing, material flow and waste stream, energy consumption and water consumption,	2	7	7.8	7-35 to 7-40

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	iv. A description of the hydrogeological conditions (i.e. permeability of geological formations, hydraulic head and groundwater flow direction,) of the open pits and the underground mines, including estimates of the variance in permeability and groundwater flow, and implications of geological anomalies such as fault zones, weak rock formations or areas of higher than expected groundwater flow on the design of the open pits and underground mining facilities and implications of hydrological conditions on nearby surface waters,	2	7	7.1.3, 7.1.4, 7.2.4.3, 7.2.4.4, 7.2.5.4, 7.2.6, Appendix V2-7A	7-7 to 7-10, 7-18 to 7-19, 7-22, 7-24 to 7-26, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	v. A discussion on how permafrost conditions (seasonal thawing, taliks, degradation due to mining disturbances) were considered in the design of the open pits and underground mining facilities,	2	7	7.2.4, 7.2.5	7-15 to 7-24
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	vi. A stability analysis of the pit slopes and underground mine works and provision of adequate ground control measures where necessary,	2	7	7.2.4, 7.2.5	7-15 to 7-24
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	vii. Design of the impoundment/retention structures and measures for run-off and seepage control,	2	7	7.2.4.4, 7.2.8.4	7-19 to 7-20, 7-29 to 7-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	viii. Design of the mine ventilation for the underground mine,	2	7	7.2.5.3	7-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	ix. Daily and yearly average extraction rate(s) and quantities of ore and waste rock produced,	2	7	7.2.3	7-16 to 7-15
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	x. Cut-off grades in grams per tonne for precious metals (i.e. gold and silver) and in percent for any base metals (i.e. copper), for ore and low grade material that could be processed at some point in the future, based on current economic conditions or reasoned projections,	2	7	7.2.3.1	7-15
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xi. The means of drilling, blasting, extraction, loading and transport of ore,	2	7	7.2.4.1, 7.2.5.2	7-15 to 7-18, 7-20 to 7-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xii. Design, location and capacity of run-of the mine stockpile, if any, and ore stockpile facilities,	2 10	7 8	7.2.8.1, 7.2.8.2 3	7-28 to 7-29 8-2 to 8-6
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xiii. Dust suppression technologies and dust suppressants to be used in mining, loading, transportation, storage, crushing and other processes where dust might be generated,	2	7	7.2.8.2	7-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xiv. A review of similar operations elsewhere in similar settings, with a discussion of the results of research on the long-term stability of the underlying permafrost and frozen materials, as well as the implications to Project planning and design,	2	7	7.2.1	7-13 to 7-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xv. Measures and plans to control natural hazards and/or mitigate their impacts on the Project, such as rock falls and collapses, extreme climate events, and other geological or geomorphological events (e.g., storm, flooding, and earthquake),	2	7	7.2.2, 7.2.4.1, 7.2.4.2, 7.2.5.2, 7.2.5.3	7-14, 7-15 to 7-18, 7-20 to 7-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xvi. Provision of a comprehensive description of the proposed mill design, including: facilities and structures include plant layout plans, mill process and operations for ore processing, reagents used, water management strategies (including methods to maximize water re-use, minimize takings of natural waters and energy consumption), and	2	7	7.8, 7.9, 7.10	7-35 to 7-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.2 Mining, Transport and Processing	xvii. A discussion of proposed options for transporting the final gold product off site.	2	7	7.8.9	7-39
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.3 Ore Stockpile Facilities	The Proponent shall, in connection with its Ore Storage Management Plan (Subsection 9.4.5), present details on the ore stockpile facilities associated with the Project, using maps and diagrams whenever applicable, and include the following:	2 10	7 8	7.2.8.1, 7.2.8.2 3	7-28 to 7-29 2 to 6
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.3 Ore Stockpile Facilities	i. Anticipated quantities and grade of ore extracted, including daily and yearly average extraction rates,	2	7	Table 7.2.1	7-16
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.3 Ore Stockpile Facilities	ii. A description of the ore grade handling, including the design, locations and capacities of the stockpile site(s). The Proponent shall include references to similar operations in comparable conditions, applicable modelling information, and the results of research on the short and long-term thermal stability of the underlying permafrost and frozen materials,	2 10	7 8	7.2.8 3.4	7-28 to 7-30 4 to 5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.3 Ore Stockpile Facilities	iii. A description of the physical and chemical stability of the ore material to be stored, with regard to the long-term ARD and ML potential of the ore material. Consideration should be given to the latest monitoring results from mines in the same general climatic conditions,	10	8	3.1, 3.2	2, 2
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.3 Ore Stockpile Facilities	iv. Explanation of the relationship between the timing of ARD/ML and permafrost encapsulation in cold weather conditions, with consideration for potential climate change, and	2 10	7 22	Appendix V2-7D, Appendix V2-7E 3, 4	All, All 2 to 10

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Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.3 Ore Stockpile Facilities	v. A description of run-off and seepage prevention/control structures.	2	7	7.2.8.4	7-29
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	The Proponent shall present the details on all water supply and water treatment facilities associated with the Project, including the facilities at the mine site(s), Marine Laydown Area including tank farm(s) and laydown area(s). The Proponent should include the following:	2 10	6, 7, 8 7	6.4.11, 6.4.12, 6.6.1, 6.7, 7.8.8, 7.10, 8.11 3.2 , 3.3, 3.4	6-12 to 6-13, 6-20 to 6-21, 6-39, 7-36, 7-42 to 7-48,8-7 7-9 to 7-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	i. Identification and description of water supply sources (waterbodies and/or watercourses) and intake sources and facilities, and projections of volumes of water required from each source, including the frequency and timing of withdrawals,	2 10	6, 7, 8 7	6.4.11, 6.4.12, 6.6.1, 6.7, 7.8.8, 7.10, 8.11 3.2 , 3.3, 3.4	6-12 to 6-13, 6-20 to 6-21, 6-39, 7-36, 7-42 to 7-48,8-7 7-9 to 7-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	ii. A description of water uses and volumes including those for camp sites, open pit and underground mines, dock facility, mill processing facility, dust suppression, firefighting reserves, workshops and maintenance facilities as well as drilling activities, etc.,	2 10	6, 7, 8 7	6.4.11, 6.4.12, 6.6.1, 6.7, 7.8.8, 7.10, 8.11 3.2 , 3.3, 3.4	6-12 to 6-13, 6-20 to 6-21, 6-39, 7-36, 7-42 to 7-48,8-7 7-9 to 7-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	iii. A description of water treatment process methods for all fresh water use (i.e. mill processing and domestic water), including the design of the facility(ies),	2	7	Appendix V2-7H (5.4)	35 to 36
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	iv. Design features to prevent the impingement or entrapment of fish at water intakes,	2 10	7 7	7.10.1 3.2.1	7-42 to 7-43 4 to 5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	v. A plan for ensuring mine operations and safety during times of low water availability (winter, and in years of exceptionally low precipitation),	2	7	7.10.2.2, 7.10.3	7-44, 7-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	vi. A description of the facilities for washing mine trucks and other equipment, as well as any treatment of water to be used for such activities, and	2	6	6.6.1.6	6-21
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.4 Water Supply and Water Treatment Facilities	vii. A description of plans to recycle or re-use water resources.	2	9	9.2.2	9-4
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.5 Natural Drainage Diversion	The Proponent shall present, in connection with its Site Water Management Plan (Subsection 9.4.4), the details on any required alteration of drainage patterns and diversions, including:	2	7	7.10.2.3, 7.10.3	7-44, 7-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.5 Natural Drainage Diversion	i. A description of any planned alteration of drainage patterns and/or diversions of natural drainage from mine site and Project facilities, and estimation of the flows to be diverted,	2	7	7.10.2.3, 7.10.3	7-44, 7-48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.5 Natural Drainage Diversion	ii. A discussion of measures to prevent or mitigate sedimentation within these diverted flows,	10	19	6.1.2	4 to 8
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.5 Natural Drainage Diversion	iii. A discussion of potential challenges anticipated in constructing drainage diversions including seasonal effects (e.g. melting ice lenses),	10	7	3.5.4	23
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.5 Natural Drainage Diversion	iv. A discussion of the potential for mobilizing sediments, generating erosion and disturbances to terrain/landforms, and	6	4, 5	4.5.1.1, 4.5.2.6, 4.5.3, 4.5.4.1, 5.5.4.3	4-29 to 4-31, 4-37, 4-38 to 4-45, 4-45, 5-33 to 5-55
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.5 Natural Drainage Diversion	v. A discussion of potential environmental impacts caused by altered drainage patterns, including the extent and location of areas to be flooded seasonally as well as plans for maintaining drainage systems during seasonal extreme conditions such as spring freshet.	6	1, 4	1.5, 1.9, 4.5.4.2, 4.5.4.3, Appendix V6-4A	1-41 to 1-55, 1-57 to 1-58, 4-46 to 4-47, 4-47 to 4-56, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	The Proponent shall present, in connection with its Site Water Management Plan (Subsection 9.4.4), details on mine de-watering required for the Project, including the following:	2	7	7.2.4.3, 7.2.4.4, 7.2.5.5	7-18 to 7-20, 7-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	i. A description of proposed de-watering methods and design of the mine water handling system for the open pits and underground mine including a discussion of the potential uses for the mine water,	2	7	7.2.4.3, 7.2.4.4, 7.2.5.5	7-18 to 7-20, 7-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	ii. A description of proposed de-watering methods including a discussion of the potential uses for the water and disposal method(s) should there be a need to dispose of any water resulting from de-watering,	2	7	7.2.4.3, 7.2.4.4, 7.2.5.5	7-18 to 7-20, 7-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	iii. A description of proposed geotechnical works, the areas that may be affected, the quantities of bottom sediment requiring disposal, and the proposed disposal methods,	2	7	7.2.4.4	7-19
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	iv. Estimates of average mine water volumes, methods used to calculate volumes, and discussion of potential uses for mine water,	2	7	7.2.4.4, Appendix V2-7H, Appendix V2-7I	7-19 to 7-20, All, All

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Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	v. A prediction of the maximum inflow into the open pits and the underground mine during mining, including estimates of variance and likelihood of estimates. The pumping capacity should be designed by taking into consideration the predicted maximum inflow. Measurements for controlling any necessary inflow should be discussed, in addition to describing the groundwater monitoring program, and	2 10	7 7	Appendix V2-7A (6.2), Appendix V2-7I (3.3) 8.2	20 to 21, 11 to 12 48
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.1.6 Mine De-Watering	vi. Anticipated salinity and general characterization of water from each pit and underground mine, including estimates of the variance of water quality.	2	7	Appendix V2-7A (6.2, 6.4)	20 to 22, 24 to 25
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	The Proponent shall provide the following information regarding Project components and activities for the proposed establishment of the Marine Laydown Area at Bathurst Inlet, tank farms and storage facilities, with site maps, diagrams, and general arrangement drawings provided for reference purposes where deemed useful, specifically addressing:	2	6	6.4	6-5 to 6-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	i. A discussion of how the precautionary approach has been incorporated into the design of storage facilities and the proposed Marine Laydown Area, to account for the challenges of the Project area including considerations for extreme temperatures, variations in ice thickness, seismic hazards, and water level change, nearshore sediment mobility and alongshore drift in the layout and structure of various facilities and design features (where applicable),	2 10	2 1	2.1.4, Appendix V2-7C 4 6	2-2 to 2-3, All 5 to 9 4 to 11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	ii. A discussion of the study results related to bathymetry, rock and sediment geotechnical properties, and sediment thickness and sub-sea permafrost depth and thickness and quality for the proposed dock site (if required),	2	4, 6	4.3.2.3, 6.4.4	4-17, 6-8
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	iii. A description of any transfer sites of materials from ships to barges,	2	4, 6	4.3.2.3, 6.3.3.2	4-17, 6-4 to 6-5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	iv. A description of all facilities proposed to be constructed at the storage facility, including discussion on the wharf storage facility, administration facility, land-based or water- based navigational aids, etc. (where applicable),	2	6	6.3.3.3, 6.4	6-5, 6-5 to 6-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	v. A discussion of all potential uses of the port site and storage facilities, including predicted non-project and/or private uses,	2	6	6.4	6-5 to 6-14
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	vi. A description of all facilities associated with the transfer and handling of fuel and any hazardous products,	2	6	6.4.6	6-11 to 6-12
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	vii. A description of the types and anticipated volumes/quantities of materials and equipment to be transported to and from the port, including hazardous/dangerous goods cargo,	2	6	6.4.3, 6.4.5.6	6-7 to 6-8, 6-11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	viii. A description of spill contingency plans for the port and tank farm/storage facility,	2	6	6.4.7, 6.5.4	6-12, 6-18
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	ix. A description of the communication system and power generation unit to be employed,	2	6	6.4.9, 6.6.10	6-12, 6-32
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	x. A discussion of plans for storage facility security management, and	2	6	6.4.10	6-12
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.2 Mine Site Tank Farms, Marine Laydown Area and Storage Facilities	xi. Discussion of the reclamation and closure of the facilities upon completion of the project.	2	8	8.12, 8.13, 8.14	8-7 to 8-8

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Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3 Waste Management Facilities	The Proponent shall describe the sources, types and quantities of waste predicted to be generated by the Project, and the on-site processes for the collection, handling and disposing of wastes generated by the Project including any off-site disposals. The Proponent shall include the following with cross referencing to applicable management plans (Section 9.4) where appropriate:	2 10	6, 7 9, 10, 11, 12	All All	All All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	i. An inventory of waste rock generated during construction and operation of the Project including overburden, waste rock, low grade mineralized material, processing wastes, excavated material, and any other related wastes if applicable,	2 10	7 9	7.12 3	7-48 to 7-52 2 to 10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	ii. A description of overburden and waste rock handling, including the design, locations and capacities of the stockpiles sites, describing the options for each type of waste rock. The Proponent shall include references to similar operations in comparable conditions, applicable modelling information (i.e. general climatic conditions and climate trends and their consideration in the design of the facility), and the results of research on the long- term thermal stability of the underlying permafrost and frozen materials,	10	9	3.4	6 to 8
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	iii. A description of the physical and chemical stability of the types of materials to be stored and those to be used for containment construction, with regard to the short and long-term ARD and ML potential of the waste rock. Consideration should be given to the latest monitoring results from mines in the same general climatic conditions,	2 10	7 22	7.2.6, Appendix V2-7D 3.2, 3.3, 8	7-24 to 7-26, All 5 to 6, 12 to 13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	iv. Details regarding the ARD and ML characterization of waste rock, the method of testing in terms of both static and kinetic tests, the number of samples and sampling protocols, the company and personnel to carry out the tests, and implications to possible use and disposal,	2	7	Appendix V2-7D	7-24 to 7-26, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	v. A description, in qualitative and quantitative terms of the chemistry of frozen groundwater from joints and fractures in the waste rock disposal area,	2	7	Appendix V2-7H	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	vi. An explanation of the relationship between the timing of ARD and ML and permafrost encapsulation in cold weather conditions, with consideration for potential climate change, and	2 10	7 22	Appendix V2-7D, Appendix V2-7E 3, 4	All, All 2 to 10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.1 Waste Rock Facilities	vii. An estimation of the quantities of potential acid generating (PAG) and non-PAG materials that will be generated and details of the methodology used in classifying PAG and non- PAG.	2 10	7 22	7.2.6 to 7.2.7 6	7-24 to 7-28 22-4 to 22-8
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.2 Tailings Management Facilities	i. A description of the tailings management facilities design,	2	6, 7	6.6.13, Appendix V2-7G	6-33 to 6-40, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.2 Tailings Management Facilities	ii. A description of how geotechnical factors, geological characteristics (weak rock formations, fault zones and their hydrogeological characteristics), and permafrost conditions (seasonal thawing, taliks, degradation due to tailings disposal, and long-term evolution) were considered in the design of the tailings management facility(ies),	2 10	6 9	6.6.13, Appendix V2-7G, Appendix V2-7A 2.4.1	6-33 to 6-40, All, All 2-21 to 2-22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.2 Tailings Management Facilities	iii. A description of how the general climate conditions including climate trends were considered in the design of the tailings management facilities (e.g., prevention of ice formation),	2 9	6 2	6.6.13 2.2, 2.16 Appendix V4-3B, Appendix V4-3C	6-33 to 6-40 2-1 to 2-7, 2-19 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.2 Tailings Management Facilities	iv. A description of the proposed process and operations of the tailings management facilities during both operations and post-closure. The Proponent shall include a contingency plan in the event that discharges from the containment area do not meet licensing criteria,	10	22 29	3.1 2.3, 5.3, 5.6	2 to 4 11, 21 to 22, 23 to 24
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.2 Tailings Management Facilities	v. A description of seepage and run-off prevention and control structures and designs, and	2	7	Appendix V2-7I (3.5.1, 3.5.2, 3.5.3, 3.5.4, Appendix A)	14 to 15, 15, 15 to 17, 17, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.2 Tailings Management Facilities	vi. A description of the tailings chemistry, physical properties (rheology, solid content, consolidation density, slurry temperature, volume estimates), mineralogical characteristics and long and short-term ARD and ML potential.	2 2	7 2	7.9 Appendices V2-7D,Appendix V2-7F	7-40 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	i. A description of the water treatment process for all major sources of water from the Project, including process effluent, open pit water, underground mine water, site, waste facilities and stockpile drainage/runoff, and sewage/grey waste water,	2 10	4, 6 7	4.3.3.3, 6.4.13, 6.6, 6.7, 8.11 3.0	4-19 to 4-20, 6-13, 6-19 to 6-42, 8-7 3 to 42
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	ii. A description of proposed mine water (i.e. process effluent, open pit water, underground mine water, site and stockpile drainage/runoff) treatment facility to be used, to include amount of treatment sludge production and its management/storage,	2 10	6 9	6.6.13 3.2.2, 3.3, 3.6	6-33 to 6-40 5, 13 to 14, 26 to 35
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	iii. A discussion related to the treated effluent discharge methods, including the design of the facility, identification of discharge points, the anticipated water quality and quantities to be disposed of, and conservation and recycling methods. Specific mention should be given to modifications that may be related to operating in arctic conditions. Include associated implications for regulatory compliance,	2	6	6.4.13, 6.6.8.1	6-13, 6-29 to 6-30

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Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	iv. A description of proposed sewage/grey water treatment facilities to be used, including a discussion of the technology to be employed, the design and locations of the facilities, point(s) of discharge, solids (sludge) disposal methods, and the quality and quantities to be disposed of, as well as the applicable discharge standards,	2	6	6.4.13, 6.6.8.1	6-13, 6-29 to 6-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	v. Contingency measures for the disposal of effluent and sewage/grey water during periods of facility malfunction and/or disturbances, with details regarding the associated disposal and treatment technologies and facilities,	2	6	6.4.13, 6.6.8.1	6-13, 6-29 to 6-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	vi. A description of the receiving environment including the spatial extent and magnitude of alteration of the receiving waters, how the Proponent will ensure non-toxicity, the spatial extent of the mixing zone and modelling predictions for concentrations of all parameters of concern, including the equations and assumptions on which the modeling predictions were based, at key points between the discharge point and return to baseline water quality conditions, and	2	6	6.4.13, 6.6.8.1	6-13, 6-29 to 6-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.3 Waste Water Treatment Facilities	vii. A description of the on-site processes for the collection, handling and disposing of contaminated water wastes (including melt water) to be generated by the Project.	2	6	6.4.13, 6.6.8.1	6-13, 6-29 to 6-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.4 Landfill Facilities	i. Research results for effectiveness of similar landfill operation facilities in comparable geological regions and climate condition,	10	10	7.3.2	11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.4 Landfill Facilities	ii. Locations of any landfill facilities, with estimates of containment capacities, associated design criteria and considerations to minimize impact on the surrounding environment. Include engineering features and facility layout drawings in relation to nearby roads, watercourses and waterbodies,	10	10	6.2, 7.3.1, 7.3.2	8, 10 to 11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.4 Landfill Facilities	iii. An inventory of the types and volumes of non-combustible, non-hazardous industrial wastes to be generated and landfilled over the life of the Project,	2	6	6.4.14, 6.6.8	6-13, 6-28 to 6-32
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.4 Landfill Facilities	iv. An inventory of the types and volumes of hydrocarbon contaminated wastes to be generated and sent south over the life of the Project,	10	12	7.3.5, 7.3.6, Table 8-1	20 to 21, 23 to 27
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.4 Landfill Facilities	v. A description of the proposed collection, handling, storage, treatment, and/or disposal methods of contaminated ice, snow, soil, seepage and/or surface runoff, and	10	7 10	3.3, 3.4, 3.7.8. 7.4	13 to 19, 42 12
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.4 Landfill Facilities	vi. A description of any proposed use of municipal waste facilities or other treatment options for hydrocarbon, organic wastes.	10	10 12	7 2	9 to 15 1 to 3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.5 Hazardous Waste	i. An inventory of the types and predicted volumes/quantities of hazardous wastes to be generated or produced by the Project activities, including shipping operations,	10	12	12.8, Table 8-1	29, 23 to 27
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.5 Hazardous Waste	ii. A description of proposed storage, transport, handling and disposal methods to be employed for hazardous waste generated,	2	6, 7, 8, 9	6.6.7, 6.6.8.6, 7.7, 8.12, 9.2.3	6-27, 6-31, 7-35, 8-7, 9-4
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.5 Hazardous Waste	iii. A description of measures to minimize use of hazardous materials and to reduce generation of hazardous waste,	2 10	6, 7, 8, 9 12	6.6.7, 6.6.8.6, 7.7, 8.12, 9.2.3 2	6-27, 6-31, 7-35, 8-7, 9-4 1
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.5 Hazardous Waste	iv. Details regarding the destinations for each type of hazardous waste, including the disposal of containers used to transport or store hazardous materials, and	2 10	6, 7, 8, 9 12	6.6.7, 6.6.8.6,7.7, 8.12, 9.2.3 7.3	6-27, 6-31, 7-35, 8-7, 9-4 12 to 21
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.5 Hazardous Waste	v. A description of training for employees tasked with the handling of hazardous waste materials.	2 10	6, 7, 8, 9 12	6.6.7, 6.6.8.6, 7.7, 8.12, 9.2.3 6.3	6-27, 6-31, 7-35, 8-7, 9-4 11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.6 Camp Waste	i. A description of the facilities, technologies and equipment to be used for incineration of domestic waste,	2	6	6.4.14, 6.6.8.3	6-13, 6-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.6 Camp Waste	ii. An inventory of domestic waste to be incinerated, including both land-based and ship-based generated wastes,	2	6	6.4.14, 6.6.8	6-13, 6-28 to 6-32
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.6 Camp Waste	iii. A description of the methods for disposal of incineration ash, and	2 10	6 11	6.4.14, 6.6.8.2, 6.6.8.3 7.5	6-13 to 6-14, 6-30 8
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.3.6 Camp Waste	iv. A description of wildlife deterrent programs that may be implemented to reduce depredation and prevent access to food sources by predators such as bears and wolverines.	2 10	2 10	2.1.6 6.1.1, Appendix A	2-4 6 to 7, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	The Proponent shall describe all ground transportation options, including all-weather and winter roads (including various access roads, mine haul roads, site service roads, in-pit haul roads, roads used to facilitate maintenance of infrastructure and facilities, etc.).	2 10	4, 6, 7 14	6.3.2, 6.4.3, 6.6.2, 7.11 1	6-3 to 6-4, 6-7 to 6-8, 6-21to 6-24, 7-48 1 to 2

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Guidelines Section							
Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	The EIS shall describe and discuss the following in connection with the Roads Management Plan (Subsection 9.4.10), including relevant maps and drawings where useful as such pertain to roads as proposed within the scope of the Project:	2 10	6, 7 14	6.3.2, 6.4.3, 6.6.2, 7.11 All	6-3 to 6-4, 6-7 to 6-8, 6-21to 6-24, 7-48 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	i. Design specification and features of all roads, including construction methods and schedule, laydown areas, temporary works and construction camps, estimates, sources, and types of materials required for construction and maintenance, water crossings and diversions of watercourses,	2 10	6, 7 14	6.3.2, 6.4.3, 6.6.2, 7.11 4	6-3 to 6-4, 6-7 to 6-8, 6-21to 6-24, 7-48 9 to 13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	ii. How all aspects of proposed roads including components such as bridges and culverts, will be managed and maintained for the life of the Project,	2 10	6, 7 14	6.3.2, 6.4.3, 6.6.2, 7.11 7	6-3 to 6-4, 6-7 to 6-8, 6-21to 6-24, 7-48 14 to 17
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	iii. Plans to address additional traffic on any separately constructed road network that may require consideration, should the development of the Back River Project be granted pursuant to NLCA Section 12.5.12,	2	6	6.5	6-14 to 6-19
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	iv. Description of any infilling of lake, wetland or stream habitats associated with road construction where applicable for the Project,	2	6	6.4.3, 6.6.2	6-7 to 6-8, 6-21 to 6-24
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	v. Design features and structures planned to protect and facilitate wildlife movement (e.g. caribou crossings and migration routes) and humans that may cross Project roads during operations (including ATVs and snowmobiles), including a discussion of plans to prevent/minimize wildlife and human collision-related mortalities,	2 5	6 5	6.4.3, 6.6.2 XX 9	6-7 to 6-8, 6-21 to 6-24 5-1 to 5-249 21 to 22
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	vi. Design features and structures planned to protect and facilitate fish movement and migration,	2	6, 7	All	All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	vii. Dust suppression, methods and types of dust suppressants as well as mitigation methods for sedimentation during construction and operations,	2	7	7.2.9	7-30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	viii. How TK has been considered in the selection of the ground transportation network,	2 3	2 3	2.1.10 3.3	2-6 3-50 to 3-53
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	ix. The relationship of ground transportation with existing hunting and travelling routes (including those routes in close proximity or intersecting planned ground transportation roads), and	2	2, 6	2.1.9, 6.6.2	2-5, 6-21 to 6-24
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.4 Ground Transportation and Associated Water Crossings	x. The duration, frequency and extent of use of all Project facilities, including consideration given to public access for traditional and/or non-traditional pursuits.	2	2, 6	2.1.9 to 2.1.12, 6.5.1, 6.6.2.2	2-5 to 2-6, 6-16, 6-13, 6-39
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	The Proponent shall describe all marine shipping associated with the Project, in connection with the Shipping Management Plan (Subsection 9.4.11), including relevant maps and drawings where useful.	2	4, 6	4.2.2.1, 4.2.2.3, 6.3.3	4-4 to 4-5 , 4-6 to 4-7, 6-4 to 6-5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	The description of marine infrastructure and shipping must include the following:	2	4, 6	4.2.2.1, 4.2.2.3, 6.3.3	4-4 to 4-5 , 4-6 to 4-7, 6-4 to 6-5
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	i. A description of the proposed marine shipping vessels (types, sizes, draft, and numbers of vessels to be used, and the vessel's intended purpose), including any accommodations barges to be utilized, associated frequency and timeframe for the shipping season for all project activities during each phase of the Project. Include a discussion on the existing marine traffic volumes along the proposed shipping route(s) in terms of the marine traffic network of the region,	2 10	4, 6 15	4.2.2.1, 4.2.2.3, 6.3.3 4	4-4 to 4-5 , 4-6 to 4-7, 6-4 to 6-5 7 to 9
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	ii. A clear description and an analysis of the proposed shipping route(s), including route characteristics and navigability, corresponding maps and details regarding bathymetry, navigational aids, other marine traffic using these routes, channel and berthing manoeuvres, anchorage components, etc.,	2 10	4, 6 15	4.2.2.1, 4.2.2.3, 6.3.3 1.2	4-4 to 4-5 , 4-6 to 4-7, 6-4 to 6-5 2
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	iii. A description of the transit time and delay review of alternative marine routes,	2	4, 6	4.2.2.3, 6.3.3.1, 6.3.3.2, Appendix V2-6A	4-6 to 4-7, 6-4 to 6-5, All

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Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	iv. A discussion on the potential for ice breaking during the planned shipping season (including the potential for such during break-up in the spring season and during freeze- up in the fall season),	2 10	4, 6 15	4.2.2.1, 4.2.2.3, 6.3.3 1	4-4 to 4-5 , 4-6 to 4-7, 6-4 to 6-5 1 to 6
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	v. A description of any plans to overwinter fuel and discuss measures to ensure compliance with the requirements of the Canada Shipping Act, 2001, Arctic Waters Pollution Prevention Act, any associated regulations or relevant guidelines,	2 10	4, 6 15	4.2.2.1, 4.2.2.3, 6.3.3 4	4-4 to 4-5 , 4-6 to 4-7, 6-4 to 6-5 7 to 9
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	vi. Details on the relationship of marine shipping routes and seasons with existing hunting and travelling routes,	8	5	5.2.3, 5.5.3.5	5-18 to 5-19, 5-35
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	vii. A descripton of procedures for avoiding the disturbance of marine mammals, and for undertaking the monitoring of marine mammal occurrence and behaviour along shipping routes,	2 7 10	4, 6 7 20	6.3.3.1, 6.3.3.2 7.5.2.2, 7.5.3, 7.8 6.3, 6.4, 6.5, 7.2.8, 7.2.11, 7.3.8	6-4 to 6-5 Vol 7: 7-22 to 7-28, 7-34 to 7-36, 7-37 to 7-40 13 to 22, 68 to 69, 75 to 76, 110 to 112
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	viii. A discussion of how TK has been considered in the selection of the shipping routes, timing of shipping activities, and design of monitoring plans,	2	6	2.1.10, 6.3.3.1, V2-6A	2-6, 6-4, All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	ix. A description of the results from bathymetric studies undertaken along the proposed shipping routes. Additional discussion of study results should also be included for identified areas where shallow waters and/or strong current exist, with consideration given to the size of barges/vessels, and the implications for shipping safety,	2 7	4 3, 4	4.2.2.3, 4.2.8 3.1, 4.1.1, 4.1.6	4-6 to 4-7, 4-18 3-1, 4-1, 4-20 to 4-26
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	x. Identification of all parties responsible for ensuring safe shipping beyond the immediate port/docking site,	10	15	4.21, 9.1, 12.1, 12.2	7, 16 to 17, 20 to 21
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	xi. Estimates of the volume of goods/supplies, dangerous goods, fuel, explosives and equipment to be transported and associated protocols with shipping these goods,	2	6	6.4.5, 6.4.6 All	6-8 to 6-12 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	xii. A description of loading and offloading procedures for material and supplies, dangerous goods, fuel, and explosives, including consideration of the anticipated use/reliance on policing services, and	2	6	6.4.5, 6.4.6	6-8 to 6-12
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.5 Marine Shipping & Associated Facilities	xiii. A discussion of how shipping of project-related materials, supplies, and fuel will be handled during times that community and outpost camp resupply cargo and/or existing community use are being handled or undertaken, including any shared use of existing marine infrastructure.	2	6	6.3.3.1	4-2
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	The Proponent shall describe all air transportation associated with the Project including the following:	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	i. A description of all potential air transportation including air traffic, types of aircraft to be used, and the proposed use of municipal airports in the Kitikmeot region,	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	ii. A description of all facilities and infrastructure proposed for air transportation, including construction methods and schedule, transfer and handling of any required fuel, etc.,	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	iii. Estimates of the number of flights on a daily or weekly basis covering all phases of the Project, including estimated flight schedules (times and days),	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	iv. The duration, frequency, and extent of use of each airport facility/airstrip/landing area,	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	v. A description of the anticipated use/reliance on security and emergency services, during normal operations and emergency situations, and	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.6 Air Transportation	vi. Details regarding the proposed procedures for accident, malfunction and incident management and reporting for the transfer of hazardous material.	2	4, 6, 8	4.2.2.2, 6.3.1	4-5, 6-2 to 6-3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	The Proponent shall provide information on all borrow pits and quarry sources required for the Project, in combination with the Borrow Pits and Quarry Management Plan (Subsection 9.4.12), and include:	2 10	4, 6 16	Table 6.4-1, 6.4.2, 6.6.4 All	6-6 tp 6-7, 6-34 to 6-25 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	i. Maps for all sites that are to be used for borrow pits or quarries, indicating the ownership (Inuit Owned Land and Crown Land) of lands and principle geographic features (e.g., on or near eskers and other unique landscapes, the proximity to waterbodies and watercourses),	2 10	4, 6 16	Table 6.4-1, 6.4.2, 6.6.4 3.5	6-6 tp 6-7, 6-34 to 6-25 7
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	ii. A discussion of how the borrow pits and quarry material will be extracted,	2 10	4, 6 16	Table 6.4-1, 6.4.2, 6.6.4 3.4	6-6 tp 6-7, 6-34 to 6-25 6 to 7

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6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	iii. A discussion of how the precautionary principle has been incorporated in the design of the borrow pits and quarries in terms of minimizing potential effects to the environment, including wildlife and wildlife habitats, including fish habitat where sites are in close proximity to waterbodies and watercourses,	2 10	4, 6 16	Table 6.4-1, 6.4.2, 6.6.4 6, 8	6-6 tp 6-7, 6-34 to 6-25 9 to 13
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	iv. Characterization of the materials at potential borrow pit and quarry site locations including ARD and ML potential, the ground ice conditions and occurrences of massive ice,	2 10	4, 6 16	Table 6.4-1, 6.4.2, 6.6.4 6.1	6-6 tp 6-7, 6-34 to 6-25 9 to 10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	v. Estimates of the quantities of materials that will be extracted from each borrow pit and quarry site,	2 10	6 16	6.6.4 3.2	6-24 3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	vi. Estimates of quantities of materials required to build the ground transportation and site infrastructure for the Project,	2 10	6 16	6.6.4 3.2	6-24 3
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	vii. Annual estimates of quantities required for maintenance associated with ground transportation, site infrastructure, and the port site, and	10	12	8, Table 8-1	29, 23 to 27
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.7 Borrow Pits and Quarry Sites	viii. A description of proposed sediment, dust control and erosion measures in the design of the borrow pits and quarry sites.	2 10	4, 6 16	Table 6.4-1, 6.4.2, 6.6.4 6	6-6 to 6-7, 6-34 to 6-25 9 to 11
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	The Proponent shall provide the following information in conjunction with its Air Quality Monitoring and Management Plan (Subsection 9.4.14):	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	i. The energy balance for the proposed Project, including strategies for optimization and conservation,	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	ii. A discussion on how greenhouse gas emissions will be reduced,	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	iii. The type of power generation and associated infrastructure (i.e. power lines) that will be used over the Project lifespan,	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	iv. Locations (positioning) of power generation plants/stations relative to prevailing winds and other infrastructure,	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	v. A description of diesel power generation facilities, including sources, volumes of fuel to be used, transportation methods for fuel and associated transfer points, information regarding secondary containment measures to be employed and equipment and facilities for emergency clean-up, and	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.8 Power Generation	vi. Proposed accident/incident management and reporting.	2	4, 6, 7	4.2.10, 6.4.9, 6.6.11, 7.4, 7.8.8 All	4-21 to 4-22, 6-12, 6-32, 7-33, 7-39 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.9 Fuel and Explosives Facilities	The Proponent shall describe the following information, in conjunction with its Spill Contingency Plans, (Subsection 9.4.2), Hazardous Materials Management Plan (Subsection 9.4.8) and Explosives Management Plan (Subsection 9.4.13):	2 10	4, 6, 7, 8, 9 4, 5	4.3.9, 6.4.6, 6.4.7, 6.6.5, 6.6.6, 6.6.7, 6.6.8, 7.6, 8.14, 9.2.3 All	4-27 to 4-28, 6-11 to 6-12, 6-25 to 6-32, 7-34 to 7-35, 8-8, 9-4 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.9 Fuel and Explosives Facilities	i. The location and characteristics of fuel and explosives storage and/or manufacturing infrastructure and facilities (e.g. explosives and detonator magazines, fuel storage, ammonium nitrate storage, maintenance/wash area, process trucks and their parking area, any offices, warehouses, buildings) as well as methods of secondary containment to be employed. This will include setback distances to vulnerable features (i.e. dwellings, roads, camps, bodies of water, etc.), and between explosives facilities and fuel storage/handling areas,	2	4, 6, 7, 8, 9	4.3.9, 6.4.6, 6.4.7, 6.6.5, 6.6.6, 6.6.7, 6.6.8, 7.6, 8.14, 9.2.3 All	4-27 to 4-28, 6-11 to 6-12, 6-25 to 6-32, 7-34 to 7-35, 8-8, 9-4 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.9 Fuel and Explosives Facilities	ii. Types and estimate of quantities of all fuel types, explosives, and other similar materials required for the duration of the Project,	2	4, 6, 7, 8, 9	4.3.9, 6.4.6, 6.4.7, 6.6.5, 6.6.6, 6.6.7, 6.6.8, 7.6, 8.14, 9.2.3 All	4-27 to 4-28, 6-11 to 6-12, 6-25 to 6-32, 7-34 to 7-35, 8-8, 9-4 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.9 Fuel and Explosives Facilities	iii. Proposed measures to ensure the fuel used for mine related activities conforms with Canadian regulations (Government of Canada, 1990, 1991, 1997, 1999b, 1999c, and 2002b),	2 10	4, 6, 7, 8, 9 4	4.3.9, 6.4.6, 6.4.7, 6.6.5, 6.6.6, 6.6.7, 6.6.8, 7.6, 8.14, 9.2.3 4.0, 7.0	4-27 to 4-28, 6-11 to 6-12, 6-25 to 6-32, 7-34 to 7-35, 8-8, 9-4 2 to 3, 11 to 16
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.9 Fuel and Explosives Facilities	iv. Operational plans including Oil Pollution Prevention and/or Emergency Plans in connection with the Spill Contingency, and Oil Handling Facility Contingency Plan, and	2 10	4, 6, 7, 8, 9 3, 4, 5	4.3.9, 6.4.6, 6.4.7, 6.6.5, 6.6.6, 6.6.7, 6.6.8, 7.6, 8.14, 9.2.3 All	4-27 to 4-28, 6-11 to 6-12, 6-25 to 6-32, 7-34 to 7-35, 8-8, 9-4 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.9 Fuel and Explosives Facilities	v. Methods of fuel transfer and transportation from sources to and around site.	2 10	4, 6, 7, 8, 9 4, 6	4.3.9, 6.4.6, 6.4.7, 6.6.5, 6.6.6, 6.6.7, 6.6.8, 7.6, 8.14, 9.2.3 6.0 4, 7, 9.3.2	4-27 to 4-28, 6-11 to 6-12, 6-25 to 6-32, 7-34 to 7-35, 8-8, 9-4 4 to 11 9, 17 to 23, 30
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	The Proponent shall provide the following information for ongoing exploration:				

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	i. Areas proposed for ongoing geotechnical investigations and mineral exploration, including drilling, over the duration of the various Project areas,	2	1, 2, 3	1.4, 1.5, 1.6, 3, 6.6.13	1-2 to 1-5, 3-1 to 3-2, 6-33 to 6-40
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	ii. A description of any exploration activities occurring on or near waterbodies and the mitigation measures that will be implemented to prevent impacts to aquatic life including fish and fish habitat as defined in the Fisheries Act,	2 5	3, 7 1	3, 7.1.1 1	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	iii. A description of any seismic activities to be undertaken, including a clear delineation of the location of such activities in proximity to water bodies and the anticipated effects of such activities on aquatic life, as well as proposed measures to mitigate identified impacts,	2 5	3, 7 1	3, 7.1.1 1	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	iv. Temporary field facilities, equipment to be used, and required ground and air transport frequencies,	2 5	3, 7 1	3, 7.1.1 1	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	v. Proposed wildlife mitigation and monitoring measures associated with exploration program (e.g., compliance with the minimum flight altitudes if aerial surveys are planned or conducted, timing and type of surveys, etc.),	2 5	3, 7 1	3, 7.1.1 1	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	vi. Proposed mitigation to reduce interaction with other current land users, such as Tourism Operators or harvesters,	2 5 8	3, 7 1 4	3, 7.1.1 1 4.6.2	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10 4-68 to 4-71
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	vii. A description of any exploration activities occurring near or interacting with other current land users, such as Tourism Operators or harvesters,	2 5 8	3, 7 1 4	3, 7.1.1 1 4.6.2	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10 4-68 to 4-71
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	viii. Proposed mitigation and monitoring measures designed to protect archaeological and cultural resources from being impacted by ongoing exploration, and	2 5 10	3, 7 1 27	3, 7.1.1 1 All	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10 All
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.10 Exploration	ix. Management plans for drilling waste disposal and drill site reclamation.	2 5	3, 7 1	3, 7.1.1 1	3-1 to 3-2, 7-3 to 7-5 1-1 to 1-10
6.0 PROJECT COMPONENTS AND ACTIVITIES	6.6 DETAILED PROJECT PROPOSAL DESCRIPTION	6.6.11 Ancillary Project Facilities and Infrastructure	The Proponent shall describe any other relevant project facilities and infrastructure not detailed in Section 6.6, including those related to logistics coordination, site administration or personnel accommodations, for example.	NA	NA	NA	NA
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		As identified in Section 2.2, the Proponent shall provide highlights of any public consultation and/or engagement undertaken in the EIS in order to address concerns of the general public regarding the anticipated or potential environmental effects of the Project.	3	1	1.3, 1.4, 1.5, 1.6, Appendices V3-1A, V3-1B	1-5 to 1-47, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		The Proponent shall also describe how communication was facilitated with the public through accommodating regional languages/dialects, not only through translation but through interpretation at any community or public meetings held.	3	1	1.5.1, 1.5.3	1-19 to 1-20, 1-20 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		A summary of key dialogues and identified issue areas from pre-consultation and consultation activities, along with any commitments made by the Proponent to communities during these discussions. This information must be presented in the EIS and will enable responsible agencies and the NIRB to:	3	1	1.6.3, Table 1.6-1, Appendices V3-1C, V3-1E, V3-1G	1-39 to 1-47, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		i. Assess the transparency, meaningfulness and completeness of community consultation efforts,	3	1	1.3, 1.4, 1.5, 1.6, Appendices V3-1A, V3-1B, V3-1C, V3-1E	1-5 to 1-47, All, V3-1B, V3-1C, V3-1E
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		ii. Understand messages communicated within the process of dialogue,	3	1	1.6.3, Table 1.6-1, Appendices V3-1C, V3-1E, V3-1G	1-39 to 1-47, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		iii. Obtain an increased understanding of the expectations held within communities based upon responses to specific issues raised, and	3	1	1.6.3, Table 1.6-1, Appendices V3-1C, V3-1E, V3-1G	1-39 to 1-47, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		iv. Assess how public participation has influenced the development of the Project with an analysis of community support for, and opposition to, the Project.	3	1	1.6.2, 1.6.3, Table 1.6-1, 1.7	1-37 to 1-38, 1-39 to 1-47, 1-48
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		The Proponent is expected to address concerns that are voiced regarding its own meaningful consultation and is required to:	3	1	Table 1.6-1	1-41 to 1-42
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		i. Continue to provide up-to-date information describing the Project to the public, particularly residents of communities likely to be most affected by the Project,	3	1	1.1.2, 1.2.3, 1.7	1-1 to 1-2, 1-4 to 1-5, 1-48
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		ii. Involve the public in determining how best to deliver that information, (i.e. the types of information required, translation and interpreting needs, timing of consultations, different formats, the possible need for community meetings), and	3	1	1.5.3, 1.6.3.1, 1.7	1-20 to 1-35, 1-40, 1-48
7.0 IMPACT ASSESSMENT METHODOLOGY	7.1 PUBLIC CONSULTATION		iii. Explain the findings documented within the EIS in a clear and direct manner to make the issues comprehensible to as wide an audience as possible.	3	1	1.6.3, Table 1.6-1, Appendix V3-1G	1-39 to 1-47, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		The Proponent shall, with reference to Section 2.3, present and justify its definition of TK and shall explain the methodology used to collect TK, including:	3	3	3.1.2, 3.2, 3.3	3-1 to 3-2, 3-44 to 3-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		i. The format and location of meetings, interviews, and other data gathering efforts,	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3C, Appendix V3-3D	3-44 to 3-50, All, All, All, All,
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		ii. A description of background information provided to informants,	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		iii. The level of community participation and composition of participants,	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		iv. The design of TK studies, including lists of interview questions posed to informants or other tools used in the study,	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		v. The selection process for participants in such studies, including participants residing outside of the NSA,	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		vi. Types of TK collected, and	3	3	3.2, 3.3, Appendix V3-3A, Appendix V3-3B, Appendix V3-3C, Appendix V3-3D	3-44 to 3-50, 3-50 to 3-53, All, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		vii. Associated issues related to any proprietary status of TK used.	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		The Proponent shall summarize what kinds of TK were collected and describe the roles and responsibilities of all concerned individuals and organizations in collecting, analyzing, interpreting and synthesizing the TK data.	3	3	3.1, Table 3.1-1, 3.2, 3.3, Appendix V3-3A, Appendix V3-3B, Appendix V3-3C, Appendix V3-3D	3-1 to 3-3, 3-3 to 3-42, 3-44 to 3-50, 3-50 to 3-53, All, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		The Proponent shall also indicate whether special efforts were made to collect TK from Inuit Elders, women, youth, special groups, and harvesters familiar with the Project area.	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		Any measures to protect the anonymity and to secure the informed consent of TK providers should be outlined as well as any special restrictions on uses of certain types of TK as stipulated by TK holders.	3	3	3.2, Appendix V3-3A, Appendix V3-3B, Appendix V3-3D	3-44 to 3-50, All, All, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		In all sections of the EIS, the Proponent shall discuss how it weighed and incorporated TK in areas such as baseline data collection, impact prediction, significance assessment and the development of mitigation and monitoring programs.	3	3	Table 3.1-1, 3.3	3-3 to 3-42, 3-50 to 3-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		The Proponent shall explain how it integrated TK and popular science, including the manner in which it reconciled any apparent discrepancies between the two types of knowledge.	3	3	3.1.2, 3.1.3, 3.3	3-1 to 3-43, 3-50 to 3-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.2 TRADITIONAL KNOWLEDGE		The Proponent shall include a discussion on how it dealt with discrepancies within TK (variation between individuals) and describe how and where TK is being used to address gaps in currently available scientific data.	3	3	3.3.5	3-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		The Proponent shall present baseline data, including TK, in relation to the existing biophysical and socio-economic environments relevant to the assessment of potential impacts from the Project for all proposed phases. Potential for changes in baseline conditions due to exploration activities and any potential NLCA 12.10.2 exception applications, if applicable and as may be related to the Project, must be taken into consideration.	4 5 6 7 8 9	1, 2 5, 6, 7, 8, 9, 10, 11 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.1, X.2 X.1, X.2 X.1, X.2 X.1, X.2 X.1, X.2 1.2.2	1-1 to 1-11, 2-1 to 2-7 5-1 to 5-125, 6-1 to 6-33, 7-1 to 7-16, 8-1 to 8-30, 9-1 to 9-28, 10-1 to 10-17 1-1 to 1-31, 4-1 to 4-25, 5-1 to 5-13, 6-1 to 6-42, 7-1 to 7-32 2-1 to 2-15, 3-1 to 3-11, 4-1 to 4-37, 5-1 to 5-20, 6-1 to 6-18, 7-1 to 7-11 1-1 to 1-12, 3-1 to 3-26, 4-1 to 4-26, 5-1 to 5-19 1-2
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		The Proponent shall explain methodologies for baseline data collection, evaluation of the adequacy of data, confidence levels associated with baseline data, and identification of significant gaps in knowledge and understanding. The associated uncertainties and the steps to be taken to fill information gaps should be discussed.	3 4 5 6 7 8 9	3 All All All All All 1	3.2, 3.3.1, 3.3.5 X.1 X.1 X.1 X.1 X.1 1.2.2	3-44 to 3-50, 3-50 to 3-51, 3-53 1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		The Proponent should consider other available information containing baseline data related to the Project region, including a review of published literature, technical scientific reports, and peer-reviewed scientific literature to present a complete picture of baseline conditions.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		To identify natural fluctuations and trends including cyclical and other recurrent phenomena, the Proponent shall collect baseline data to reflect sufficient time, depth and geographic broadness of both temporal and spatial scale (e.g. populations and distributions of wildlife VECs are known to fluctuate in cyclic trends over extensive time periods and geographic ranges).	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		In order to understand the natural ecological conditions and the potential impacts from the Project on these conditions, the Proponent should consider the design of all biophysical environmental monitoring programs to ensure that the baseline data required is useful in understanding the relationship between the natural ecological conditions and the potential Project impacts on these conditions. This would improve interpretation of monitoring data in order to differentiate between natural variability and project-specific impacts.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-2 to 1-4

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Guidelines Section								
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		Furthermore, to ensure post-monitoring impact analysis is not confounded by temporal variation, the Proponent should incorporate reference site sampling as part of its routine baseline sampling.	4 5 6 7 8 9 10	All All All All All 1 20	X.1 X.1 X.1 X.1 X.1 1.2.2 All	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-2 to 1-4 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		The Proponent shall make any linkages explicit and describe the trade-offs. For example, deficiencies in baseline data increase uncertainties in the prediction of potential impacts, and consequently require an intensification of corresponding monitoring and mitigation programs (Section 9.3), and follow up and adaptive management plans (Section 9.7).	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 All	X.5.1, X.5.4 X.5.1, X.5.4 X.5.1, X.5.4 X.5.1, X.5.4 X.5.1, 1.5.4, 3.5.5, 4.5.4, 5.5.4 All	1-15 to 1-20, 1-28, 2-11 to 2-14, 2-22 to 2-23 4-26 to 4-28, 4-32 to 4-50, 5-131 to 5-143, 5-191 to 5-1195, 6-37 to 6-40, 6-64 to 6-67, 7-18 to 7-22, 7-46 to 7-48, 8-32 to 8-37, 8-65 to 8-68, 9-30 to 9-35, 9-54 to 9-55, 10-22 to 10-25, 10-48 to 10-51 1-41 to 1-43, 1-46 to 1-52, 4-26 to 4-31, 4-45 to 4-56, 5-14 to 5-19, 5-31 to 5-35, 6-44 to 6-47, 6-70, 7-34 to 7-37, 7-56 2-16 to 2-20, 2-33 to 2-39, 3-12 to 3-16, 3-217to 3-30, 4-40 to 4-43, 4-49, 5-22 to 5-25, 5-31, 6-20 to 6-25, 6-38 to 6-39, 7-15 to 7-18, 7-36 1-15 to 1-16, 1-26, 3-42 to 3-46, 3-98 to 3-101, 4-33 to 4-38, 4-55 to 4-57, 5-23 to 5-25, 5-36 to 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.3 BASELINE INFORMATION COLLECTION		The description of the existing baseline and the environmental trends should include a consideration of past projects and activities carried out by the Proponent and/or others within the RSA.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-1 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.4 USE OF EXISTING INFORMATION		In preparing its EIS, the NIRB expects that the Proponent will rely on the use of existing information and available results of surveys and studies completed in the Project region or in Nunavut by other developers, government agencies, organizations, institutions, regional authorities and individual researchers as such may lend information as pertaining to the Project and/or the environment. For example, 'lessons learned' already exist in relation to previous and/or currently active projects in Nunavut (e.g. the Meadowbank Gold Mine, the Jericho Diamond Mine, the Doris North Gold Mine, Ekati and Diavik Diamond Mines, etc.) and this information should be captured by the Proponent.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-1 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.4 USE OF EXISTING INFORMATION		When using existing information to meet the requirements of various sections of the EIS Guidelines, the Proponent should either include the information directly in the EIS with clear references indicating the source of information (i.e. document, section, and page numbers), or use cross-references to direct reviewers (the document, section and page number) to where they may obtain the information within the EIS or its supporting documents.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.4 USE OF EXISTING INFORMATION		The Proponent must also clarify how representative the data are, clearly separating factual lines of evidence from inference, and state any limitations on the inferences or conclusions that can be drawn from them.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-1 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.4 USE OF EXISTING INFORMATION		If conflicting information is encountered from either scientific based or TK sources, it is suggested that these conflicting viewpoints be identified and presented in a balanced manner along with the Proponent's conclusions.	3 4 5 6 7 8 9	3 All All All All All 1	3.3.5 X.2 X.2 X.2 X.2 X.2 1.2.2	3-53 1-10 to 1-11, 2-6 to 2-7, 3-30 to 3-33 1-14 to 1-15, 2-22 to 2-23, 3-21 to 3-23, 4-18 to 4-19, 5-122 to 5-125, 6-22 to 6-33, 7-14 to 7-16, 8-25 to 8-30, 9-25 to 9-28, 10-15 to 10-17 1-29 to 1-31, 2-20 to 2-21, 3-14 to 3-19, 4-23 to 4-25, 5-12 to 5-13, 6-35 to 6-42, 7-25 to 7-32 1-31 to 1-32, 2-14 to 2-15, 3-10 to 3-11, 4-30 to 4-37, 5-11 to 5-20, 6-15 to 6-18, 7-9 to 7-11 1-11 to 1-12, 2-1 to 2-7, 3-25 to 3-27, 4-22 to 4-26, 5-15 to 5-20, 6-13 to 6-18 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.4 USE OF EXISTING INFORMATION		The EIS must clearly document any information or knowledge gaps encountered in the existing literature or other information sources, and discuss how these gaps might affect the ability to draw conclusions and the reliability of those conclusions drawn in the assessment.	4 5 6 7 8 9	All All All All All 1	X.1, X.2 X.1, X.2 X.1, X.2 X.1, X.2 X.1, X.2 1.2.2	1-1 to 1-11, 2-1 to 2-7, 3-1 to 3-33 1-1 to 1-15, 2-1 to 2-23, 3-1 to 3-33, 4-1 to 4-19, 5-1 to 5-125, 6-1 to 6-33, 7-1 to 7-16, 8-1 to 8-30, 9-1 to 9-28, 10-1 to 10-17 1-1 to 1-31, 2-1 to 2-21, 3-1 to 3-19, 4-1 to 4-25, 5-1 to 5-13, 6-1 to 6-42, 7-1 to 7-32 2-1 to 2-15, 3-1 to 3-11, 4-1 to 4-37, 5-1 to 5-20, 6-1 to 6-18, 7-1 to 7-11 1-1 to 1-12, 2-1 to 2-7, 3-1 to 3-27, 4-1 to 4-26, 5-1 to 5-20, 6-1 to 6-18 1-2 to 1-4

Table V1-1A. Table of Conformity

Guidelines Section							
Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	The spatial boundaries of the assessment of the Project, and its components, shall be determined on the basis of the Project's potential impacts on the particular biophysical, social and/or economic environment being addressed.	4 5 6 7 8 9	All All All All Al 1	X.1 X.1 X.1 X.1 X.1 1.2.3.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13 1-16 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	In accordance with the NIRB's definition of local and regional study areas, the Proponent shall consider the following criteria when establishing spatial boundaries for the assessment of the Project:	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	i. The physical or socio-economic extent of project activities,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.4 X.4 X.4 X.4 X.4 1.2.3.2	1-12 to 1-15, 2-8 to 2-11 4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22 1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34 2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15 1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23 1-16 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	ii. The extent of ecosystems potentially affected by the Project,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.4 X.4 X.4 X.4 X.4 1.2.3.2, 1.3.4.3	1-12 to 1-15, 2-8 to 2-11, 3-33 to 3-42 4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22 1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34 2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15 1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23 1-16 to 1-18, 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	iii. The extent to which traditional and contemporary land and resource use, including protected areas, and other harvesting activities could potentially be affected by the Project, and	8	4	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	iv. The size, nature and location of past, present, and reasonably foreseeable projects and activities which could interact with the items listed above.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.6.1 X.6.1 X.6.1 X.6.1 X.6.1 1.3.4	1-29 to 1-31, 2-23 to 2-25 4-56, 5-197 to 5-205, 6-69 to 6-70, 7-50 to 7-51, 8-70 to 8-71, 9-55 to 9-57, 10-51 to 10-53 1-56, 4-57 to 4-59, 5-37, 6-70, 7-56 2-39, 3-30, 4-50, 5-32, 6-39, 7-36 1-29, 3-104 to 3-112, 4-60 to 4-68, 5-61 1-39 to 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	The EIS shall define the spatial boundaries of the maximum area potentially affected by the Project, based on the boundaries for each individual type of impact, taking into account other relevant factors such as the migratory and/or life cycle of wildlife species where applicable, the socio-economic or other economic indicators.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.4, X.6.1 X.4, X.6.1 X.4, X.6.1 X.4, X.6.1 X.4, X.6.1 1.2.3.2, 1.3.4.3	1-12 to 1-15, 1-29 to 1-31, 2-8 to 2-11, 2-23 to 2-25 4-26, 4-56, 5-128 to 5-131, 5-197 to 5-205, 6-34 to 6-37, 6-69 to 6-70, 7-17 to 7-18, 7-50 to 7-51, 8-31 to 8-33, 8-70 to 8-71, 9-29 to 9-30, 9-55 to 9-57, 10-18 to 10-22, 10-51 to 10-53 1-32 to 1-41, 1-56, 4-25 to 4-26, 4-57 to 4-59, 5-13 to 5-14, 5-37, 6-43 to 6-44, 6-70, 7-33 to 7-34, 7-56 2-15 to 2-16, 2-39, 3-11 to 3-12, 3-30 to 3-33, 4-32 to 4-35, 4-50, 5-18 to 5-21, 5-32, 6-19 to 6-20, 6-39 to 6-42, 7-15, 7-36 1-12 to 1-15, 1-29, 3-41 to 3-42, 3-104 to 3-112, 4-33, 4-60 to 4-68, 5-20 to 5-23, 5-61 1-16 to 1-18, 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	Identification of spatial boundaries should also take into account various impact pathways such as pollutant transport and bioaccumulation mechanisms.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.4, X.5.1 X.4, X.5.1 X.4, X.5.1 X.4, X.5.1 X.4, X.5.1 1.2.3.2, 1.3.4.3	1-12 to 1-15, 2-8 to 2-11 4-26 to 4-28, 5-128 to 5-134, 6-34 to 6-40, 7-17 to 7-22, 8-31 to 8-37, 9-29 to 9-35, 10-18 to 10-25 1-32 to 1-41, 4-25to 4-29, 5-13 to 5-19, 6-43 to 6-47, 7-33 to 7-37 2-15 to 2-20, 3-11 to 3-16, 4-39 to 4-43, 5-21 to 5-25, 6-19 to 6-25, 7-12 to 7-18 1-12 to 1-16, 3-41 to 3-46, 4-33 to 4-38, 5-20 to 5-25 1-16 to 1-18, 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	Traditional and contemporary land use and occupancy for the past, present, and future, should be considered in addition to other factors when determining spatial boundaries for the impact assessment of the Project.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 1.2.3.2, 1.3.4.3	1-10 to 1-11, 1-12 to 1-20, 1-29 to 1-31, 2-6 to 2-7, 2-8 to 2-14, 2-23 to 2-25 4-18 to 4-19, 4-26 to 4-28, 4-56, 5-122 to 5-125, 5-128 to 5-134, 5-197 to 5-205, 6-22 to 6-33, 6-34 to 6-40, 6-69 to 6-70, 7-14 to 7-16, 7-17 to 7-22, 7-50 to 7-51, 8-25to 8-30, 8-31 to 8-37, 8-70 to 8-71, 9-25 to 9-28, 9-29 to 9-35, 9-55 to 9-57, 10-15 to 10-18, 10-18 to 10-25, 10-51 to 10-53 1-29 to 1-31, 1-32 to 1-43, 1-56, 4-23 to 4-31, 4-57 to 4-59, 5-12 to 5-19, 5-37, 6-35 to 6-47, 6-70, 7-25 to 7-37, 7-56 2-14 to 2-20, 2-39 to 2-40, 3-10 to 3-12, 3-12 to 3-16, 3-30 to 3-32, 4-30 to 4-40, 4-40 to 4-43, 4-50, 5-11 to 5-22, 5-21 to 5-25, 5-32, 6-15 to 6-24, 6-39 to 6-42, 7-9 to 7-18, 7-36 1-11 to 1-12, 1-12 to 1-16, 1-29, 3-25 to 3-27, 3-41 to 3-46, 3-104 to 3-112, 4-22 to 4-26, 4-33 to 4-38, 4-60 to 4-68, 5-15 to 5-20, 5-20 to 5-25, 5-61 1-16 to 1-18, 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	The Proponent is not required to provide a comprehensive baseline description of the environment at each of the above scales, but must provide sufficient detail to address the relevant environmental and cumulative effects of the Project. For example, the spatial boundaries for archaeological studies related to burial grounds in the Project area might reasonably be expected to differ from those for studies on migration of caribou in the area.	4 5 6 7 8 9	All All All All All 1	X.1 X.1 X.1 X.1 X.1 1.2.2	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-1 to 6-13 1-2 to 1-4
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	The boundaries for the assessment of socio-economic impacts shall be based on an analysis of the socio-economic effects directly and indirectly associated with the Project. In all cases, priority focus shall be directed to potential impacts within Nunavut, but the EIS shall also consider potential impacts outside of Nunavut, wherever there is reason to anticipate that they might occur.	8	3	3.4, 3.6.1.1	3-41 to 3-42, 3-105

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Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	The EIS must contain a justification and rationale for all spatial boundaries and scales chosen.				1-12 to 1-15, 1-29 to 1-31, 2-8 to 2-11, 2-23 to 2-25
				4	1, 2	X.4, X.6.1	4-26, 4-56, 5-128 to 5-131, 5-197 to 5-205, 6-34 to 6-37, 6-69 to 6-70, 7-17 to 7-18, 7-50 to 7-51, 8-31 to
				5	4, 5, 6, 7, 8, 9, 10	X.4, X.6.1	8-33, 8-70 to 8-71, 9-29 to 9-30, 9-55 to 9-57, 10-18 to 10-22, 10-51 to 10-53
				6	1, 4, 5, 6, 7	X.4, X.6.1	1-32 to 1-41, 1-56, 4-25 to 4-26, 4-57 to 4-59, 5-13 to 5-14, 5-37, 6-43 to 6-44, 6-70, 7-33 to 7-34, 7-56
				7	2, 3, 4, 5, 6, 7	X.4, X.6.1	2-15 to 2-16, 2-39, 3-11 to 3-12, 3-30 to 3-33, 4-32 to 4-35, 4-50, 5-18 to 5-21, 5-32, 6-19 to 6-20, 6-39
				8	1, 3, 4, 5	X.4, X.6.1	to 6-42, 7-15, 7-36
				9	1	1.2.3.2, 1.3.4.3	1-12 to 1-15, 1-29, 3-41 to 3-42, 3-104 to 3-112, 4-33, 4-60 to 4-68, 5-20 to 5-23, 5-61
							1-16 to 1-18, 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	The following general spatial boundaries are suggested, noting that the LSAs and RSAs may vary between disciplines and between VECs/VSECs, as they represent the likely distribution of project effects on individual VECs/VSECs:	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	i. Local Study Area (LSA): the Local Study Area shall be defined as that area where there exists the reasonable potential for immediate impacts due to Project activities, ongoing normal activities, or to possible abnormal operating conditions. The Local Study Area includes the Project facilities, buildings and infrastructure, and all areas proposed for Project activities, including entire proposed shipping routes in the NSA.	4	1, 2		
				5	4, 5, 6, 7, 8, 9, 10		
				6	1, 4, 5, 6, 7		
				7	2, 3, 4, 5, 6, 7		1-12 to 1-15, 2-8 to 2-11
				8	1, 3, 4, 5		4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22
							1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34
						X.4	2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15
							1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23
						1.2.3.2	
							1-16 to 1-18
				9	1		
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.1 Spatial Boundaries	ii. Regional Study Area (RSA): the Regional Study Area shall be defined as the area within which there exists the potential for direct, indirect, and/or cumulative biophysical and socio-economic effects. This area includes lands, communities, and portions of Nunavut and other regions of Canada that may be relevant to the assessment of wide- spread effects of the Project. The Proponent is advised to duly consider the transboundary implications of impacts to identified VECs/VSECs as results of air transportation and marine shipping for the Project.	4	1, 2	X.4	1-12 to 1-15, 2-8 to 2-11
				5	4, 5, 6, 7, 8, 9, 10	X.4	4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22
				6	1, 4, 5, 6, 7	X.4	1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34
				7	2, 3, 4, 5, 6, 7	X.4	2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15
				8	1, 3, 4, 5	X.4	1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23
				9	1	1.2.3.2	1-16 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.2 Temporal Boundaries	The EIS shall determine the temporal boundaries separately for the construction, operation, maintenance, temporary closure, final closure, and post-closure periods, including planned exploration to be undertaken in conjunction with the Project. A temporary closure period (i.e. care & maintenance) is understood to encompass the period of un-timely closure of the Project and specifies care and maintenance activities while the final closure period would include decommissioning and reclamation activities. The post-closure period covers the timespan after the Project has been decommissioned and abandoned, once the site has been reclaimed and returned as much as possible to its natural state. The temporal boundaries of the post-closure period may encompass many years, depending on the site, the type of Project and the methods of closure.)	4	1, 2	X.4	1-12 to 1-15, 2-8 to 2-11
				5	4, 5, 6, 7, 8, 9, 10	X.4	4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22
				6	1, 4, 5, 6, 7	X.4	1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34
				7	2, 3, 4, 5, 6, 7	X.4	2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15
				8	1, 3, 4, 5	X.4	1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23
				9	1	1.2.3.2	1-16 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.2 Temporal Boundaries	The Proponent shall also consider, where applicable, the temporal bounds of Project alternatives under assessment, noting where they differ from those for the preferred option.	2	4	Appendix V2-4C	All
				4	1, 2	X.4	1-12 to 1-15, 2-8 to 2-11
				5	4, 5, 6, 7, 8, 9, 10	X.4	4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22
				6	1, 4, 5, 6, 7	X.4	1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34
				7	2, 3, 4, 5, 6, 7	X.4	2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15
				8	1, 3, 4, 5	X.4	1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23
				9	1	1.2.3.2	1-16 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.2 Temporal Boundaries	As is the case for the determination of spatial boundaries, the temporal boundaries must indicate the range of appropriate scales at which particular baseline descriptions and the assessment of environmental effects are presented.	4	1, 2	X.4	1-12 to 1-15, 2-8 to 2-11
				5	4, 5, 6, 7, 8, 9, 10	X.4	4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22
				6	1, 4, 5, 6, 7	X.4	1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34
				7	2, 3, 4, 5, 6, 7	X.4	2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15
				8	1, 3, 4, 5	X.4	1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23
				9	1	1.2.3.2	1-16 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.2 Temporal Boundaries	For all temporal boundaries, the EIS shall give a rationale and justification for the boundaries chosen, including a description of any consultation with members of the public or technical experts. In doing so, the Proponent shall give consideration to climate change, including warming trends, which might influence some of the impact assessment. This may include, for example, where there may be no immediate danger of permafrost degradation, but taking climate change into consideration would have the Proponent incorporate the future possibility of this risk into the discussion of Project design where applicable.	4	1, 2	X.4	1-12 to 1-15, 2-8 to 2-11
				5	4, 5, 6, 7, 8, 9, 10	X.4	4-26, 5-128 to 5-131, 6-34 to 6-37, 7-17 to 7-18, 8-31 to 8-32, 9-29 to 9-30, 10-18 to 10-22
				6	1, 4, 5, 6, 7	X.4	1-32 to 1-41, 4-25 to 4-26, 5-13 to 5-14, 6-43 to 6-44, 7-33 to 7-34
				7	2, 3, 4, 5, 6, 7	X.4	2-15 to 2-16, 3-11 to 3-12, 4-39 to 4-40, 5-21 to 5-22, 6-19 to 6-20, 7-12 to 7-15
				8	1, 3, 4, 5	X.4	1-12 to 1-15, 3-41 to 3-42, 4-33, 5-20 to 5-23
				9	1	1.2.3.2	1-16 to 1-18

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Guidelines Section							
Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
7.0 IMPACT ASSESSMENT METHODOLOGY	7.5 ASSESSMENT BOUNDARIES	7.5.2 Temporal Boundaries	The Proponent shall also give due consideration to traditional and contemporary land use and occupancy (past, present, and future), in addition to other factors to be considered in its determination of temporal boundaries for the Project.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 X.2, X.4, X.5.1, X.6.1 1.2.3.2, 1.3.4.3	1-10 to 1-15, 1-29 to 1-31, 2-6 to 2.7, 2.8 to 2-14, 2-23 to 2-25 4-18 to 4-19, 4-26 to 4-28, 4-56, 5-122 to 5-125, 5-128 to 5-134, 5-197 to 5-205, 6-22 to 6-33, 6-34 to 6-40, 6-69 to 6-70, 7-14 to 7-16, 7-17 to 7-22, 7-50 to 7-51, 8-25to 8-30, 8-31 to 8-37, 8-70 to 8-71, 9-25 to 9-28, 9-29 to 9-35, 9-55 to 9-57, 10-15 to 10-18, 10-18 to 10-25, 10-51 to 10-53 1-29 to 1-31, 1-32 to 1-43, 1-56, 4-23 to 4-31, 4-57 to 4-59, 5-12 to 5-19, 5-37, 6-35 to 6-44, 6-70, 7-33 to 7-34, 7-56 2-14 to 2-20, 2-39 to 2-40, 3-10 to 3-12, 3-12 to 3-16, 3-30 to 3-32, 4-30 to 4-40, 4-40 to 4-43, 4-50, 5-11 to 5-22, 5-21 to 5-25, 5-32, 6-15 to 6-24, 6-39 to 6-42, 7-9 to 7-18, 7-36 1-11 to 1-12, 1-12 to 1-16, 1-29, 3-25 to 3-27, 3-41 to 3-46, 3-104 to 3-112, 4-22 to 4-26, 4-33 to 4-38, 4-60 to 4-68, 5-15 to 5-20, 5-20 to 5-25, 5-61 1-16 to 1-18, 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The EIS shall include a clear listing of those VECs and VSECs, processes, and interactions between the VECs and VSECs that are likely to be affected by the Project as well as those identified in these Guidelines.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.2 X.5.2 X.5.2 X.5.2 1.5.2, 3.5.3, 4.5.2, 5.5.2 1.2.3.1	1-20 to 1-27, 2-14 to 2-20 4-28 to 4-30, 5-134 to 5-187, 6-40 to 6-61, 7-22 to 7-43, 8-37 to 8-62, 9-35 to 9-51, 10-25 to 10-46 1-43, 4-31 to 4-38, 5-19 to 5-25, 6-47 to 6-61, 7-37 to 7-46 2-20 to 2-26, 3-16 to 3-22, 4-43 to 4-46, 5-25 to 5-29, 6-25 to 6-36, 7-17 to 7-34 1-16 to 1-24, 3-48 to 3-95, 4-38 to 4-53, 5-25 to 5-31 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		If relevant, the location of these VECs/VSECs should be indicated on maps or charts, indicating to whom these components are valued and the reasons why, including ecosystemic, social, economic, recreational, tourism, aesthetic or other considerations.	4, 5, 6 ,7, 8	All	X.1	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-1 to 6-13
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The Proponent should also indicate the specific geographical areas or ecosystems that are of particular concern, and their relation to the broader regional environment and economy.	4, 5, 6, 7, 8	All	X.1	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-14, 2-1 to 2-22, 3-1 to 3-21, 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 2-1 to 2-20, 3-1 to 3-14, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-1 to 6-13
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The Proponent shall explain and justify methods used to predict potential adverse and beneficial effects of the Project on each VEC and VSEC, the interactions among these components, and the relations of these components with the environment. In particular, the Proponent must describe how the VECs were selected and what methods were used to predict and assess the adverse environmental effects of the Project on these components. The value of a component should be considered not only in relation to its role in the ecosystem as a VEC, but also the value placed on it by humans for traditional use and cultural connection as a VSEC. This should be considered not only for components of the environment but also the land directly affected by the Project.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.5.2 X.5.1, X.5.2 X.5.1, X.5.2 X.5.1, X.5.2 X.5.1, X.5.2 1.2.3.1	1-15 to 1-27, 2-11 to 2-16 4-26 to 4-30, 5-131 to 5-187, 6-37 to 6-61, 7-18 to 7-34, 8-32 to 8-62, 9-30 to 9-51, 10-22 to 10-46 1-41 to 1-43, 4-26 to 4-38, 5-14 to 5-25, 6-44 to 6-61, 7-34 to 7-46 2-16 to 2-26, 3-12 to 3-22, 4-40 to 4-46, 5-22 to 5-29, 6-20 to 6-36, 7-15 to 7-34 1-15 to 1-24, 3-42 to 3-48, 4-33 to 4-53, 5-23 to 5-31 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The Proponent shall provide a rationale for the selection of communities and relevant studies for which baseline data relating to or supporting the discussion and analysis of VECs and VSECs are provided.	8	3, 4	3.1, 3.4, 3.5.3, 4.1, 4.4, 4.5.3	3-1 to 3-24, 3-41 to 3-42, 3-48 to 3-95, 4-1 to 4-22, 4-33, 4-53 to 4-55
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The Proponent must validate the selected VECs/VSECs, especially those VECs/VSECs that will be used to assess the significance of Project component interactions, through consultation with the potentially affected communities. Any uncertainties in the validation must be documented. (The NIRB strongly recommends that the Proponent continue to seek input from communities, government agencies and other parties, as well as to incorporate the use of TK to identify the VECs and VSECs.)	3 4 5 6 7 8 9	1, 3 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	1.6.2.2, 3.3.2 X.5.1, X.5.2 X.5.1, X.5.2 X.5.1, X.5.2 X.5.1, X.5.2 X.5.1, X.5.2 1.2.3.1	1-38, 3-51 1-15 to 1-27, 2-11 to 2-20 4-26 to 4-30, 5-131 to 5-187, 6-37 to 6-61, 7-18 to 7-34, 8-32 to 8-62, 9-30 to 9-51, 10-22 to 10-46 1-41 to 1-43, 4-26 to 4-38, 5-14 to 5-25, 6-44 to 6-61, 7-34 to 7-46 2-16 to 2-26, 3-12 to 3-22, 4-40 to 4-46, 5-22 to 5-29, 6-20 to 6-36, 7-15 to 7-34 1-15 to 1-24, 3-42 to 3-48, 4-33 to 4-53, 5-23 to 5-31 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		All VECs and VSECs used in the assessment should have clearly identified indicators as outlined in Section 7.13.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5.1, X.5.2	1-15 to 1-27, 2-11 to 2-20 4-26 to 4-30, 5-131 to 5-187, 6-37 to 6-61, 7-18 to 7-34, 8-32 to 8-62, 9-30 to 9-51, 10-22 to 10-46 1-41 to 1-43, 4-26 to 4-38, 5-14 to 5-25, 6-44 to 6-61, 7-34 to 7-46 2-16 to 2-26, 3-12 to 3-22, 4-40 to 4-46, 5-22 to 5-29, 6-20 to 6-36, 7-15 to 7-34 1-15 to 1-24, 3-42 to 3-48, 4-33 to 4-53, 5-23 to 5-31
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The Proponent is expected to identify the components and activities of the Project that are anticipated to interact in adverse or beneficial ways with the selected VECs/VSECs and the interaction. These components and activities could be grouped into the following categories:				
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		i. Components and activities related to construction, operation, temporary closure, final closure and post-closure of the Project, and	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.2 X.5.2 X.5.2 X.5.2 1.5.2, 3.5.3, 4.5.2, 5.5.2 1.2.4.1	1-20 to 1-27, 2-14 to 2-20 4-28 to 4-30, 5-134 to 5-187, 6-40 to 6-61, 7-22 to 7-43, 8-37 to 8-62, 9-35 to 9-51, 10-25 to 10-46 1-43, 4-31 to 4-38, 5-19 to 5-25, 6-47 to 6-61, 7-37 to 7-46 2-20 to 2-26, 3-16 to 3-22, 4-43 to 4-46, 5-25 to 5-29, 6-25 to 6-36, 7-17 to 7-34 1-16 to 1-24, 3-48 to 3-95, 4-38 to 4-53, 5-25 to 5-31 1-19

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Part	Section	Subsection					
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		ii. Components and activities induced by the Project development, which may occur in the reasonably foreseeable future.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.2 X.5.2 X.5.2 X.5.2 1.5.2, 3.5.3, 4.5.2, 5.5.2 1.2.4.1	1-20 to 1-27, 2-14 to 2-20 4-28 to 4-30, 5-134 to 5-187, 6-40 to 6-61, 7-22 to 7-43, 8-37 to 8-62, 9-35 to 9-51, 10-25 to 10-46 1-43, 4-31 to 4-38, 5-19 to 5-25, 6-47 to 6-61, 7-37 to 7-46 2-20 to 2-26, 3-16 to 3-22, 4-43 to 4-46, 5-25 to 5-29, 6-25 to 6-36, 7-17 to 7-34 1-16 to 1-24, 3-48 to 3-95, 4-38 to 4-53, 5-25 to 5-31 1-19
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS		The Proponent should consider the following list in the selection of VECs and VSECs (this list is not meant to be comprehensive nor exhaustive, abut should give the Proponent an appropriate starting point for the identification of relevant VECs and VSECs):	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	i. Air quality,	4 9	1 1	1.3.2 1.2.3.1	1-12 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	ii. Climate and Meteorology,	4 9	3 1	3.3.2 1.2.3.1	3-33 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	iii. Noise and vibration,	4 9	2 1	2.3.2 1.2.3.1	2-8 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	iv. Terrestrial environment, including terrestrial ecology, landforms and soils, and permafrost and ground stability,	5 9	2, 3, 4 1	2.3, 3.3, 4.3 1.1, 1.2, 1.3, 1.4	2-23, 3-33, 4-19 to 4-26 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	v. Geological features including discussion of surficial and bedrock geology and geochemistry,	5 9	1 1	All 1.1, 1.2, 1.3, 1.4	All 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	vi. Hydrological features (including water quantity) and discussion of hydrogeology,	6 9	1, 2 1	1.3, 2.3 1.1, 1.2, 1.3, 1.4	1-31 to 1-33, 2-21 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	vii. Groundwater and surface water quality,	6 9	2, 4 1	2.3, 4.3 1.1, 1.2, 1.3, 1.4	2-21, 4-25 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	viii. Sediment quality,	6 9	5 1	5.3 1.1, 1.2, 1.3, 1.4	5-13 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	ix. Freshwater aquatic environment, including aquatic ecology, aquatic biota (including representative fish as defined in the Fisheries Act, benthic invertebrates, and other aquatic organisms), habitat (including fish habitat as defined in the Fisheries Act), and commercial, recreational and Aboriginal fisheries as defined in the Fisheries Act,	6 9	3, 4, 5, 6, 7 1	3.3, 4.3, 5.3, 6.3, 7.3 1.1, 1.2, 1.3, 1.4	3-19, 4-25, 5-13, 6-42 to 6-43, 7-32 to 7-33 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	x. Vegetation,	5 9	4 1	4.3 1.1, 1.2, 1.3, 1.4	4-19 to 4-26 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	xi. Terrestrial wildlife and wildlife habitat (including representative terrestrial mammals to include caribou, caribou habitat and behaviour, muskoxen, wolverine, polar bears, brown bears (including both brown and grizzly), wolves, and less conspicuous species that may be maximally exposed to contaminants), and wildlife migration routes and crossings,	5 9	5, 6, 7, 8 1	5.3, 6.3, 7.3, 8.3 1.1, 1.2, 1.3, 1.4	5-125 to 5-128, 6-33 to 6-34, 7-16 to 7-17, 8-30 to 8-31 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	xii. Birds and their habitat including raptors, migratory birds, and seabirds,	5 7 9	9, 10 6 1	9.3, 10.3 6.3 1.1, 1.2, 1.3, 1.4	9-28 to 9-29, 10-17 to 10-18 6-18 to 6-19 1-1 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	xiii. Marine environment, including marine ecology, marine water and sediment quality, marine biota (including fish and Species at Risk), marine habitat, and commercial, recreational and Aboriginal fisheries as defined in the Fisheries Act, and	7 9	1, 2, 3, 4, 5 1	X.3 1.2.3.1	1-32, 2-15, 3-11, 4-37 to 4-38, 4-37 to 4-38, 5-20 to 5-21 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.1 Valued Ecosystem Components	xiv. Marine wildlife, including marine mammals such as whales and seals.	7 9	6, 7 1	6.3, 7.3 1.2.3.1	6-18 to 6-19, 7-11 to 7-12 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	i. Economic development and opportunities,	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16

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Part	Section	Subsection					
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	ii. Employment,	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	iii. Education and training,	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	iv. Contracting and business opportunities,	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	v. Population demographics,	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	vi. Traditional activity and knowledge including land use and mobility, food security, language, and cultural and commercial harvesting,	3 8 9	3 4 1	3.3.2 4.3 1.2.3.1	3-51 4-26 to 4-33 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	vii. Non-traditional land use and resource use,	8 9	4 1	4.3 1.2.3.1	4-26 to 4-33 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	viii. Heritage resources including archaeology, palaeontology, and cultural resources,	8 9	1, 2 1	1.3, 2.3 1.2.3.1	1-12, 2-7 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	ix. Health and well-being including individual and community wellness, family and community cohesion, and potential indirect effects of project on frequency and types of crime incidents,	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	x. Community infrastructure and public service, including housing, and	8 9	3 1	3.3 1.2.3.1	3-27 to 3-41 1-5 to 1-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.6 VALUED ECOSYSTEM AND SOCIO-ECONOMIC COMPONENTS	7.6.2 Valued Socio-Economic Components	xi. Health and safety including worker and public safety.	8 10	6 5	6.3, 6.4 All	6-18 to 6-178 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		In describing the study methodologies, the Proponent shall explain how scientific, engineering, traditional, community, and any other knowledge was used to construct its studies and reach its conclusions.	3 4 5 6 7 8	1, 3 All All All All All	1.6.1, 3.2 X.1, X.2 X.1, X.2 X.1, X.2 X.1, X.2 X.1, X.2	1-36 to 1-37, 3-44 to 3-50 1-1 to 1-11, 2-1 to 2-7, 3-1 to 3-33 1-1 to 1-15, 2-1 to 2-23, 3-1 to 3-33, 4-1 to 4-19, 5-1 to 5-125, 6-1 to 6-33, 7-1 to 7-16, 8-1 to 8-30, 9-1 to 9-28, 10-1 to 10-17 1-1 to 1-31, 2-1 to 2-21, 3-1 to 3-19, 4-1 to 4-25, 5-1 to 5-13, 6-1 to 6-42, 7-1 to 7-32 2-1 to 2-15, 3-1 to 3-11, 4-1 to 4-37, 5-1 to 5-20, 6-1 to 6-18, 7-1 to 7-11 1-1 to 1-12, 2-1 to 2-7, 3-1 to 3-27, 4-1 to 4-26, 5-1 to 5-20, 6-2 to 6-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		The Proponent shall identify and justify all assumptions and substantiate all conclusions presented.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		All data, models, and studies must be documented so that the analyses are transparent and reproducible.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		All data collection methods shall be specified, and the uncertainty, reliability and sensitivity of methods and models used to reach conclusions shall also be indicated.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		Where any study is presented as an independent appendix in the EIS, the Proponent should also provide an overview of the study in the main document, including the methodology used, assumptions made, interpretation of the results, limitations, and provide appropriate cross-referencing to the specific study as necessary.	2, 3, 4, 5, 6, 7, 8, 9, 10	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		To support the main conclusions presented in its EIS, the Proponent shall broadly identify significant gaps of knowledge and understanding, the steps taken by the Proponent to address these gaps, and how these gaps impacted those conclusions.	2, 3, 4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY		Where the conclusions drawn from scientific and technical knowledge are in conflict with the conclusions drawn from community and/or TK sources, the EIS shall contain a balanced presentation of the issues and a statement of the Proponent's conclusions.	3 4, 5, 6, 7, 8	3 All	3.3.5 All	3-53 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.1 Acquisition Methodology and Documentation	The Proponent shall specify and justify all sampling protocols and statistical processes employed in both the biophysical and social contexts.	4, 5, 6, 7, 8	All	All	All

Table V1-1A. Table of Conformity

Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.1 Acquisition Methodology and Documentation	The scope and reliability of the results, the possibility of reproducing the analyses, and quality control of laboratory analyses shall be analyzed. All data that is based on environmental sampling involves some variability, which must be determined in order to assess the scope and reliability of the data.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.1 Acquisition Methodology and Documentation	The Proponent shall specify and justify all sampling protocols and statistical processes employed in both the biophysical and social context.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.1 Acquisition Methodology and Documentation	The reliability and scope of the results, the possibility of reproducing the analyses, and quality control of laboratory analyses shall be analyzed.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.1 Acquisition Methodology and Documentation	The Proponent shall, for all data obtained from environmental sampling, provide a dispersion or variability coefficient (variance, standard deviation, confidence interval, etc.) and justification for sample size used.	4 5 6 7 8	All	X.1	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-15, 2-1 to 2-24, 3-1 to 3-35, 4-1 to 4-17, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-13, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-31, 2-1 to 2-20, 3-1 to 3-19, 4-1 to 4-23, 5-1 to 5-13, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.1 Acquisition Methodology and Documentation	When designing data collection or baseline studies, it is recommended that the Proponent coordinate its programs with relevant developments, government organizations, regional authorities, and researchers, as the design of any study or collection of data may be relevant to ongoing programs established or supported by the Nunavut General Monitoring Program (NGMP), as per Section 12.7.6 of the NLCA.	4 5 6 7 8	All	X.1	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-15, 2-1 to 2-24, 3-1 to 3-35, 4-1 to 4-17, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-13, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-31, 2-1 to 2-20, 3-1 to 3-19, 4-1 to 4-23, 5-1 to 5-13, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.2 Data Analysis and Presentation	Use of qualitative criteria to describe the environment, compare various design and development options, or assess impacts, requires each criteria to be defined, their relative importance stated, and the differences between the categories (e.g. desirable, acceptable, unacceptable) indicated and justified.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5.1	1-15 to 1-20, 2-11 to 2-14 4-26 to 4-28, 5-131 to 5-134, 6-37 to 6-40, 7-18 to 7-22, 8-32 to 8-37, 9-30 to 9-35, 10-22 to 10-25 1-41 to 1-43, 4-26 to 4-31, 5-14 to 5-19, 6-44 to 6-47, 7-34 to 7-37 2-16 to 2-20, 3-12 to 3-16, 4-40, 5-22 to 5-25, 6-20 to 6-25, 7-15 to 7-18 1-15 to 1-16, 3-42 to 3-46, 4-33 to 4-38, 5-23 to 5-25
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.2 Data Analysis and Presentation	The Proponent shall corroborate all analyses, interpretations of results, and conclusions with a review of relevant literature, providing direct references with an indication of their public availability.	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.2 Data Analysis and Presentation	Any TK references shall be indicated and sources identified, or referenced appropriately in cases where TK proprietary or confidentiality concerns exist.	3 4 5 6 7 8	3 All All All All All	3.1, 3.2, 3.3, Appendices V3-3A, V3-3B, V3-3C, V3-3D X.2 X.2 X.2 X.2 X.2	3-1 to 3-53, All, All, All, All 1-10 to 1-11, 2-6 to 2-7, 3-30 to 3-33 1-14 to 1-15, 2-22 to 2-23, 3-21 to 3-33, 4-18 to 4-19, 5-122 to 5-125, 6-22 to 6-33, 7-14 to 7-16, 8-25 to 8-30, 9-25 to 9-28, 10-15 to 10-17 1-29 to 1-31, 2-20 to 2-21, 3-14 to 3-19, 4-23 to 4-25, 5-12 to 5-13, 6-35 to 6-42, 7-25 to 7-32 1-31 to 1-32, 2-14 to 2-15, 3-10 to 3-11, 4-30 to 4-37, 5-11 to 5-20, 6-15 to 6-18, 7-9 to 7-11 1-11 to 1-12, 2-1 to 2-7, 3-25 to 3-27, 4-22 to 4-26, 5-15 to 5-20, 6-13 to 6-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.7 STUDY STRATEGY AND METHODOLOGY	7.7.2 Data Analysis and Presentation	The Proponent shall correlate its conclusions about impact significance with relevant guidelines or regional policies, discussing, with direct references, any thresholds referred to or adopted from these documents.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5.1, X.5.5, X.10	1-15 to 1-20, 1-28 to 1-29, 1-33, 2-11 to 2-14, 2-23, 2-27 4-26 to 4-28, 4-50 to 4-55, 4-63 to 4-65, 5-131 to 5-134, 5-195 to 5-197, 5-249 tp 5-250, 6-37 to 6-40, 6-67 to 6-69, 6-90, 7-18 to 7-22, 7-48 to 7-50, 7-69 to 7-70, 8-32 to 8-37, 8-68 to 8-70, 8-100 to 8-101, 9-30 to 9-35, 9-55, 9-63 to 9-64, 10-22 to 10-25, 10-51, 10-58 to 10-59 1-41 to 1-43, 1-52 to 1-55, 1-57, 4-26 to 4-31, 4-56 to 4-57, 4-63, 5-14 to 5-19, 5-35 to 5-37, 5-42, 6-44 to 6-47, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-61 2-16 to 2-20, 2-39, 2-45, 3-12 to 3-16, 3-30, 3-36, 4-40, 4-50, 4-54, 5-22 to 5-25, 5-22 to 5-32, 5-37, 6-20 to 6-25, 6-39, 6-55, 7-15 to 7-18, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-31, 3-42 to 3-46, 3-101 to 3-104, 3-130, 4-33 to 4-38, 4-57 to 4-60, 4-85, 5-23 to 5-25, 5-61, 5-62
7.0 IMPACT ASSESSMENT METHODOLOGY	7.8 IMPACT ASSESSMENT APPROACH		The required impact assessment, including the significance analysis, shall describe the effect considered, the significance of the effect and justification for that determination, and how the effect fits into a cumulative effects analysis and transboundary effects analysis. In this assessment, emphasis shall be placed on significant impacts to VECs and VSECs and the interactions between VECs and VSECs, extending across all Project phases as applicable.	1 4 5 6 7 8	Executive Summary, 5, 8, 12 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All X.5, X.6, X.7 X.5, X.6, X.7 X.5, X.6, X.7 X.5, X.6, X.7 X.5, X.6, X.7	All 1-15 to 1-31, 2-11 to 2-25 4-26 to 4-62, 5-131 to 5-242, 6-37 to 6-82, 7-18 to 7-63, 8-33 to 8-94, 9-30 to 9-58, 10-22 to 10-54 1-41 to 1-56, 4-26 to 4-59, 5-14 to 5-38, 6-44 to 6-71, 7-34 to 7-57 2-16 to 2-41, 3-12 to 3-33, 4-40 to 4-52, 5-22 to 5-34, 6-20 to 6-50, 7-15 to 7-37 1-15 to 1-29, 3-42 to 3-124, 4-33 to 4-82, 5-23 to 5-61
7.0 IMPACT ASSESSMENT METHODOLOGY	7.8 IMPACT ASSESSMENT APPROACH		The biophysical elements and socio-economic elements potentially impacted by the Project components, activities and undertakings shall be referred to in the categories listed in Section 8.0. Based on the predicted potential adverse effects, the proposed mitigation measures shall be addressed in the main document following the relevant impact assessment of each VEC, and cross referenced to the specific management plan where detailed information is located as listed in Section 9.0.	1 4 5 6 7 8	Executive Summary, 5, 8, 12 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All X.5.3, X.8 X.5.3, X.8 X.5.3, X.8 X.5.3, X.8 X.5.3, X.8	All 1-27 to 1-28, 1-31 to 1-33, 2-20 to 2-22, 2-25 to 2-26 4-30 to 4-32, 4-62 to 4-63, 5-187 to 5-191, 5-242 to 5-246, 6-61 to 6-64, 6-82 to 6-88, 7-43 to 7-46, 7-63 to 7-68, 8-62 to 8-65, 9-88 to 8-92, 9-51 to 9-54, 9-58 to 9-62, 10-46 to 10-48, 10-54 to 10-57 1-43 to 1-46, 1-56 to 1-57, 4-38 to 4-45, 4-59 to 4-62, 5-25 to 5-31, 5-28 to 5-41, 6-61 to 6-70, 6-71 to 6-74, 7-46 to 7-56, 7-57 to 7-60 2-26 to 2-33, 2-41 to 2-45, 3-22 to 3-27, 3-33 to 3-36, 4-47 to 4-50, 4-52 to 4-54, 5-29 to 5-31, 5-34 to 5-37, 6-36 to 6-38, 6-50 to 6-53, 7-34 to 7-36, 7-37 to 7-40, 1-24 to 1-26, 1-29 to 1-30, 3-95 to 3-98, 3-124 to 3-128, 4-53 to 4-55, 4-82 to 4-84, 5-31 to 5-36, 5-61

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
7.0 IMPACT ASSESSMENT METHODOLOGY	7.8 IMPACT ASSESSMENT APPROACH		The impact assessment for each biophysical and socio-economic element can be linked to a list of project components and activities deemed responsible for the potential impacts. Vice versa, a project component or activity can also be linked to various environment elements, in particular VECs and VSECs, on which it might potentially have impacts. A matrix or a comparable tool should be employed to identify all linkages between environmental elements, project components and activities and potential impacts, highlighting significant interactions between them.	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 2	X.5.2 X.5.2 X.5.2 X.5.2 1.5.2, 3.5.3, 4.5.2, 5.5.2 All	1-20 to 1-27, 2-14 to 2-20 4-28 to 4-30, 5-134 to 5-187, 6-40 to 6-61, 7-22 to 7-44, 8-37 to 8-62, 9-35 to 9-51, 10-25 to 10-46 1-43, 4-31 to 4-38, 5-19 to 5-25, 6-47 to 6-61, 7-37 to 7-46 2-20 to 2-26, 3-16 to 3-22, 4-43 to 4-46, 5-25 to 5-29, 6-25 to 6-36, 7-17 to 7-34 1-16 to 1-24, 3-48 to 3-95, 4-38 to 4-53, 5-25 to 5-31 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		The Proponent shall explain and justify the methods used for impact prediction, including: mathematical or numerical modeling, statistical modeling (e.g. variance and correlation analyses), analysis of sequential series, expert opinion, previous experiences, and the prediction from known tendencies and TK if applicable.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5.1, X.6.1	1-15 to 1-20, 1-29 to 1-31, 2-11 to 2-14, 2-23 to 2-25 4-26 to 4-28, 4-56, 5-131 to 5-134, 5-197 to 5-203, 6-37 to 6-40, 6-69 to 6-70, 7-18 to 7-22, 7-50 to 7-51, 8-32 to 8-37, 8-70 to 8-71, 9-30 to 9-35, 9-55 to 9-57, 10-22 to 10-24, 10-51 to 10-54 1-41 to 1-43, 1-56, 4-26 to 4-31, 4-57 to 4-59, 5-14 to 5-19, 5-37 to 5-38, 6-44 to 6-47, 6-70, 7-34 to 7-37, 7-56 2-16 to 2-20, 2-39, 3-12 to 3-16, 3-30, 4-40, 4-50, 5-22 to 5-25, 5-32, 6-20 to 6-25, 6-41, 7-15 to 7-18. 7-36 1-15 to 1-16, 1-29, 3-42 to 3-46, 3-104, 4-33 to 4-38, 4-60 to 4-68, 5-23 to 5-25, 5-61
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		All studies used in the prediction of impacts must be specified, the original authors identified, and the studies made public.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		All statements based on public consultation shall be justified and the sources and methodology specified.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		The choice of methodologies and interpretation of results shall be justified in light of current theories, knowledge and standards.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5, X.6 X.5, X.6 X.5, X.6 X.5, X.6 X.5, X.6 1.2, 1.3	1-15 to 1-31, 2-11 to 2-25 4-26 to 4-62, 5-131 to 5-242, 6-37 to 6-82, 7-18 to 7-63, 8-32 to 8-94, 9-30 to 9-58, 10-22 to 10-54 1-41 to 1-56, 4-26 to 4-59, 5-14 to 5-38, 6-44 to 6-70, 7-34 to 7-57 2-16 to 2-41,3-12 to 3-32, 4-40 to 4-52, 5-22 to 5-34, 6-20 to 6-48, 7-15 to 7-37 1-15 to 1-29, 3-42 to 3-120, 4-33 to 4-78, 5-23 to 5-61 1-2 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		The Proponent shall assess the direct, indirect, short-term, and long-term impacts of the Project on the biophysical and socio-economic environments, and the interactions between them, focusing on the anticipated response of the VECs and VSECs.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		The Proponent shall also assess the degree of uncertainty associated with each predicted effect. Where potential cumulative effects are identified, a discussion should be provided related to the CEA as outlined in Section 7.11 of these Guidelines.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.6.1 X.5.1, X.6.1 X.5.1, X.6.1 X.5.1, X.6.1 X.5.1, X.6.1 1.3	1-15 to 1-20, 1-29 to 1-31, 2-11 to 2-14, 2-23 to 2-25 4-26 to 4-28, 4-56, 5-131 to 5-134, 5-197 to 5-203, 6-37 to 6-40, 6-69 to 6-70, 7-18 to 7-22, 7-50 to 7-51, 8-32 to 8-37, 8-70 to 8-71, 9-30 to 9-35, 9-55 to 9-57, 10-22 to 10-24, 10-51 to 10-54 1-41 to 1-43, 1-56, 4-26 to 4-31, 4-57 to 4-59, 5-14 to 5-19, 5-37 to 5-38, 6-44 to 6-47, 6-70, 7-34 to 7-37, 7-56 2-16 to 2-20, 2-39, 3-12 to 3-16, 3-30, 4-40, 4-50, 5-22 to 5-25, 5-32, 6-20 to 6-25, 6-41, 7-15 to 7-18. 7-36 1-15 to 1-16, 1-29, 3-42 to 3-46, 3-104, 4-33 to 4-38, 4-60 to 4-68, 5-23 to 5-25, 5-61 1-35 to 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		The Proponent shall identify potential impacts resulting from each Project phase, including impacts arising from accidental events and malfunctions, with accepted practices used to draw impact predictions.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 3	X.5.1, X.5.2, X.6.1 X.5.1, X.5.2, X.6.1 X.5.1, X.5.2, X.6.1 X.5.1, X.5.2, X.6.1 X.5.1, X.5.2, X.6.1 All	1-15 to 1-20, 1-20 to 1-27, 1-29 to 1-31, 2-11 to 2-16, 2-23 to 2-25 4-26 to 4-30, 4-56, 5-131 to 5-187, 5-197 to 5-203, 6-37 to 6-61, 6-69 to 6-70, 7-18 to 7-43, 7-50 to 7-51, 8-32 to 8-62, 8-70 to 8-71, 9-30 to 9-51, 9-55 to 9-57, 10-22 to 10-46, 10-51 to 10-54 1-41 to 1-43, 1-56, 4-26 to 4-38, 4-57 to 4-59, 5-14 to 5-25, 5-37 to 5-38, 6-44 to 6-61, 6-70, 7-34 to 7-46, 7-56 2-16 to 2-26, 2-39 to 2-41, 3-12 to 3-22, 3-30 to 3-32, 4-40 to 4-46, 4-50 to 4-52, 5-22 to 5-29, 5-32, 6-20 to 6-36, 6-39 to 6-42, 7-15 to 7-34, 7-36 1-15 to 1-24, 1-29, 3-42 to 3-46, 3-48 to 3-95, 3-104 to 3-112, 4-33 to 4-53, 4-60 to 4-68, 5-23 to 5-31, 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		Predictions shall be presented with appropriate explanations and justification, and the Proponent shall:	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		i. Explain how scientific, engineering, community and TK was used,	3 4, 5, 6, 7, 8 9	1, 3 All 1	1.6.2.2, 3.3.2 All 1.2.4	1-38, 3-51 All 1-18 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		ii. Document model assumptions, study methodologies and sensitivity analyses,	4, 5, 6, 7, 8 9	All 1	All 1.2.4	All 1-18 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		iii. Document data collection methods and limitations thereof,	4, 5, 6, 7, 8	All	X.1	1-1 to 1-10, 2-1 to 2-6, 3-1 to 3-30 1-1 to 1-15, 2-1 to 2-24, 3-1 to 3-35, 4-1 to 4-17, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-13, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-31, 2-1 to 2-20, 3-1 to 3-19, 4-1 to 4-23, 5-1 to 5-13, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 2-1 to 2-2, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15, 6-2 to 6-13

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Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		iv. Support analyses, interpretation of results and conclusions with reference to appropriate literature,	4, 5, 6, 7, 8	All	All	All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		v. Describe how uncertainty in impact predictions have been dealt with,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.4 X.5.4 X.5.4 X.5.4 1.5.4, 3.5.5, 4.5.4, 5.5.4 1.2.4.4, 1.2.4.5	1-28, 2-22 to 2-23 4-32 to 4-55, 5-191 to 5-197, 6-64 to 6-69, 7-46 to 7-48, 8-65 to 8-70, 9-54 to 9-55, 10-48 to 10-51 1-45 to 1-52, 4-45 to 4-57, 5-31 to 5-37, 6-70, 7-56 2-33 to 2-39, 3-27 to 3-30, 4-49, 5-31, 6-38 to 6-39, 7-36 1-26 to 1-28, 3-98 to 3-101, 4-55 to 4-57, 5-36 to 5-61 1-27 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		vi. Specify and reference sources for any contributions based on TK,	3 4 5 6 7 8	3 All All All All All	3.1.1, Table 3.1-1, 3.2, 3.3 X.2 X.2 X.2 X.2 X.2	3-1 , 3-3 to 3-42, 3-44 to 3-53 1-10 to 1-11, 2-6 to 2-7, 3-30 to 3-33 1-14 to 1-15, 2-22 to 2-23, 3-21 to 3-33, 4-18 to 4-19, 5-122 to 5-125, 6-22 to 6-33, 7-14 to 7-16, 8-25 to 8-30, 9-25 to 9-28, 10-15 to 10-17 1-29 to 1-31, 2-20 to 2-21, 3-14 to 3-19, 4-23 to 4-25, 5-12 to 5-13, 6-35 to 6-42, 7-25 to 7-32 1-31 to 1-32, 2-14 to 2-15, 3-10 to 3-11, 4-30 to 4-37, 5-11 to 5-20, 6-15 to 6-18, 7-9 to 7-11 1-11 to 1-12, 2-1 to 2-7, 3-25 to 3-27, 4-22 to 4-26, 5-15 to 5-20, 6-13 to 6-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		vii. Identify which studies included the assistance of communities and individuals, who was involved (if the information can be made public), and how participants were selected,	3 8	1, 3 3, 4	1.5.3, 1.6.1, 3.2 3.1, 4.1, Appendix V8-3A	1-20 to 1-35, 1-36 to 1-37, 3-44 to 3-50 3-1 to 3-25, 4-1 to 4-22, All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		viii. Identify all proposed mitigation measures and adaptive management strategies, if applicable, and	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 All	X.5.3, X.8 X.5.3, X.8 X.5.3, X.8 X.5.3, X.8 X.5.3, X.8 All	1-27 to 1-28, 1-31 to 1-33, 2-20 to 2-22, 2-25 to 2-26 4-30 to 4-32, 4-62 to 4-63, 5-187 to 5-191, 5-242 to 5-246, 6-61 to 6-64, 6-82 to 6-88, 7-43 to 7-46, 7-63 to 7-68, 8-62 to 8-65, 9-88 to 8-92, 9-51 to 9-54, 9-58 to 9-62, 10-46 to 10-48, 10-54 to 10-57 1-43 to 1-46, 1-56 to 1-57, 4-38 to 4-45, 4-59 to 4-62, 5-25 to 5-31, 5-28 to 5-41, 6-61 to 6-70, 6-71 to 6-74, 7-46 to 7-56, 7-57 to 7-60 2-26 to 2-33, 2-41 to 2-45, 3-22 to 3-27, 3-33 to 3-36, 4-47 to 4-50, 4-52 to 4-54, 5-29 to 5-31, 5-34 to 5-37, 6-36 to 6-38, 6-50 to 6-53, 7-34 to 7-36, 7-37 to 7-40, 1-24 to 1-26, 1-29 to 1-30, 3-95 to 3-98, 3-124 to 3-128, 4-53 to 4-55, 4-82 to 4-84, 5-31 to 5-36, 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.9 IMPACT PREDICTION		ix. Describe the potential residual effects and explain their significance.	1 4 5 6 7 8 5 7 8	6, 8, 12 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 4, 5, 6, 7, 8 5, 6 1, 3, 4	All X.5.4, X.5.5, X.10 X.5.4, X.5.5, X.10 X.5.4, X.5.5, X.10 X.5.4, X.5.5, X.10 1.5.4,1.5.5, 3.5.5, 4.5.4,4.5.5, 5.5.4, 5.5.5, X.10 X.6.4, X.6.5 X.6.4, X.6.5 X.6.4, X.6.5	All 1-28 to 1-29, 1-33, 2-22 to 2-23, 2-27 4-32 to 4-55, 4-63 to 4-65, 5-191 to 5-197, 5-249 to 5-250, 6-64 to 6-69, 6-90, 7-46 to 7-50, 7-69, 8-65 to 8-70, 8-100 to 8-101, 9-54 to 9-55, 9-63, 10-48 to 10-51, 10-58 to 10-59 1-45 to 1-55, 1-57, 4-45 to 4-57, 4-63, 5-31 to 5-37, 5-42, 6-70, 6-74, 7-56, 7-61 2-33 to 2-39, 2-45, 3-27 to 3-30, 3-36, 4-49 to 4-50, 4-54, 5-31 to 5-32, 5-37, 6-38 to 6-39, 6-55, 7-36 , 7-42 1-26 to 1-29, 1-31, 3-98 to 3-101, 3-130, 4-55 to 4-60, 4-85, 5-36 to 5-61, 5-62 4-59 to 4-62, 5-239 to 5-240, 6-80 to 6-82, 7-61 to 7-63, 8-89 to 8-94 5-34, 6-47 to 6-48 1-29, 3-116 to 3-120, 4-27 to 4-78
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		The Proponent shall discuss the potential impacts of the environment on the Project, considering such factors as geotechnical hazards (including slope and underground instability, differential or thaw settlement, frost heave, ice scour coastal erosion, and seismic activity), unfavourable geological conditions (weak zones and/or faults), permafrost (ground instability related to permafrost thaw and artesian groundwater pressure due to permafrost confinement), hydrological conditions (low precipitation years, low flow conditions in rivers etc.), severe weather events (extreme precipitation events, flooding, storm surges etc.), sea ice conditions, ice-ride-up and pile-up, sea level trends, vertical motion of land/subsidence and global climate change.	9	2	2.2	2-1 to 2-7
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		The discussion on global climate change must describe and assess, on the basis of current knowledge, how potential climate change could affect permafrost and soils with high ice content, the hydrological regime, freshwater and groundwater regimes, and the long-term impacts of such changes on Project infrastructure (i.e., water diversions and impoundment structures, waste water treatment structures, fuel and chemical storage areas, solid waste sites, road structures, waste management facilities, tailings facility, etc.).	5 6 7 9	2, 5, 7, 8, 10 1, 4, 5 6, 7 2	2.1.2.4, 5.5.2.8, 7.5.4.3, 7.6.4.3, 8.6.4.4, 10.5.2.8 1.1.5, 4.1.1 6.5.2.5. 6.5.4.2, 6.6.2.2, 6.6.4.2, 7.5.2.6 2.11, 2.15	2-21 to 2-22, 5-170 to 5-178, 7-47 to 7-48, 7-62, 8-91 to 8-92, 10-45 to 10-46 1-26 to 1-29, 4-1 6-34, 6-39, 6-44, 6-40, 6-47, 7-33 to 7-34 2-14 to 2-15, 2-18 to 2-19
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		The Proponent shall identify the Project sensitivity to changes in specific climate-related parameters. The discussion on global climate change should include:	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		i. Effects of climate on the Project, with a focus on the design and planning of Project components and activities including: access road network and related water crossings, tank farm(s) and storage facilities, open pit mines, underground mines, waste rock stockpiles, ore stockpiles, and tailings impoundment areas,	9	2	2.15	2-18 to 2-19

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Part	Section	Subsection					
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		ii. Impacts of extreme meteorological events on the Project, and related considerations for Project design and planning, including, but not limited to, the following: extreme temperature and precipitation events, high winds and waves, ice-ride up and pile-up events, extreme ocean water levels (high and low), and severe fog or white out conditions. Potential changes to the timing of ice formation, active layer thickness, and frequency of storms shall also be taken into consideration,	9	2	2.14	2-17 to 2-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		iii. Consideration of sea level decline and shoaling caused by emergence/uplift of the land, including potential impacts to port site offloading area design and access, shipping route navigability, safety, and how this is addressed in the design of baseline studies and monitoring plans for relevant project components,	9	2	2.8, 2.9	2-13 to 2-14
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		iv. Design and apply multiple scenarios on impacts assessment, where these scenarios span the range of possible future climates, rather than designing and applying a single "best guess" scenario. It is recommended that the range of future climates considered by the Proponent include scenarios used in the Arctic Climate Impact Assessment report (ACIA 2005) as well as those in the relevant Intergovernmental Panel on Climate Change assessments for polar regions (IPCC, 2007),	4 9	3 2	Appendix V4-3C 2.1	All 2-14
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		v. Impacts from climate change on sensitive ecosystem features within the terrestrial, freshwater and marine ecosystems,	5 7 9	2, 5, 7, 8, 10 6, 7 2	2.1.2.4, 5.5.2.8, 7.5.4.3, 7.6.4.3, 8.6.4.4, 10.5.2.8 6.5.2.6, 6.5.4.2, 6.6.2.2, 6.6.4.2, 7.5.2.6 2.11, 2.12	2-21 to 2-22, 5-170 to 5-178, 7-47 to 7-48, 7-62, 8-91 to 8-92, 10-45 to 10-46 6-34, 6-39, 6-44, 6-40, 6-47, 7-33 to 7-34 2-14 to 2-16
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		vi. Predicted effects of climate change on mean and extreme climate parameters, and meteorological phenomena including flooding, storms, etc.,	9	2	2.13	2-16 to 2-17
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		vii. Potential effects of climate change on permafrost thawing in the Project area, with discussion of the related implications on the stability of project components (e.g. waste management facilities) and sensitive land features (e.g. Canadian Heritage Rivers, territorial or national parks), including waste management facilities, and	5 9	3 2	3.1.3 2.4, 2.11.1	3-6 to 3-21 2-7 to 2-8, 2-14
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		viii. Uncertainties related to climate change predictions, and the related effect on other predictions in the EIS, including water quantity and permafrost thawing.	4 9	3 2	Appendix V4-3C 2.1	All 2-1
7.0 IMPACT ASSESSMENT METHODOLOGY	7.10 IMPACTS OF THE ENVIRONMENT ON THE PROJECT		Longer-term effects of climate change must also be discussed up to the projected closure phase of the Project. The sensitivity of the Project to long-term climate variability and effects shall be identified and discussed. The Canadian Environmental Assessment Agency Procedural Guide, "Incorporating Climate Change Considerations in Environmental Assessment: General Guidance for Practitioners" (CEAA, 2003) provides guidance for incorporating climate change considerations into an environmental assessment, and may be useful for the Proponent.	9	2	2.16	2-19
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		The Proponent is expected to carry out its CEA with consideration for the following factors:	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		i. A larger spatial boundary (RSA rather than LSA): This will enable the Proponent to assess the project impacts in relation to other activities (including other projects and exploration) in the geographical region, and implies that spatial assessment boundaries may cross jurisdictional boundaries for a better understanding of additive and interactive pathways of different types of cumulative effects (NIRB, 2007),	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.6, X.7 X.6, X.7 X.6, X.7 X.6, X.7 X.6, X.7 1.3.4.3	1-29 to 1-31, 2-23 to 2-25 4-62 to 4-68, 5-197 to 5-242, 6-69 to 6-82, 7-50 to 7-63, 8-70 to 8-94, 9-55 to 9-58, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37 to 5-38, 6-70 to 6-71, 7-56 to 7-57 2-39 to 2-41, 3-30 to 3-33, 4-50 to 4-52, 5-32 to 5-34, 6-39 to 6-50, 7-36 to 7-37 1-29, 3-104 to 3-124, 4-60 to 4-82, 5-61 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		ii. A longer temporal scale (as defined in Subsection 7.5.2): This will enable the Proponent to consider all activities from past developments into the present time and the reasonably foreseeable future for a more accurate analysis of variability and significant long-term effects,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.6, X.7 X.6, X.7 X.6, X.7 X.6, X.7 X.6, X.7 1.3.4.3	1-29 to 1-31, 2-23 to 2-25 4-62 to 4-68, 5-197 to 5-242, 6-69 to 6-82, 7-50 to 7-63, 8-70 to 8-94, 9-55 to 9-58, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37 to 5-38, 6-70 to 6-71, 7-56 to 7-57 2-39 to 2-41, 3-30 to 3-33, 4-50 to 4-52, 5-32 to 5-34, 6-39 to 6-50, 7-36 to 7-37 1-29, 3-104 to 3-124, 4-60 to 4-82, 5-61 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		iii. Alternatives analysis: CEA requires the explicit creation of alternative development scenarios and analysis of potential cumulative effects associated with each option (Greig et al., 2002). Therefore, the Proponent should endeavour to ensure its CEA addresses the alternatives presented under Section 6.4 of these Guidelines,	9	1	1.3	1-35 to 1-36

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Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		iv. Consideration of effects on VECs and VSECs: An effective CEA will allow the Proponent to more accurately assess how the interaction of impacts from the various Project components and activities, and those from other past, present and reasonably foreseeable projects (including exploration), might impact in a cumulative fashion on selected VECs/VSECs, and	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.6, X.7 X.6, X.7 X.6, X.7 X.6, X.7 X.6, X.7 1.3.4	1-29 to 1-31, 2-23 to 2-25 4-62 to 4-68, 5-197 to 5-242, 6-69 to 6-82, 7-50 to 7-63, 8-70 to 8-94, 9-55 to 9-58, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37 to 5-38, 6-70 to 6-71, 7-56 to 7-57 2-39 to 2-41, 3-30 to 3-33, 4-50 to 4-52, 5-32 to 5-34, 6-39 to 6-50, 7-36 to 7-37 1-29, 3-104 to 3-124, 4-60 to 4-82, 5-61 1-39 to 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		v. Evaluation of significance: Effective CEA requires identifying and predicting the likelihood and significance of potential cumulative effects, including direct, indirect and residual impacts. The Proponent shall consider and determine the significance of the cumulative effects using the criteria described in Section 7.14.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4 1	X.6.1 X.6.1 X.6.1 X.6.1 X.6.1 1.3.5	1-29 to 1-31, 2-23 to 2-25 4-61, 5-197 to 5-203, 6-69 to 6-70, 7-50 to 7-51, 8-70 to 8-71, 9-55 to 9-57, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37, 6-70, 7-56 2-39, 3-30, 4-50, 5-32, 6-39, 7-36 1-29, 3-104 to 3-112, 4-60 to 4-68 1-49 to 1-51
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		As per the identified objectives and methodologies for a CEA, the Proponent shall:	-	-	-	-
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		i. Justify the environmental components that will constitute the focus of the CEA. The Proponent's assessment should emphasize the cumulative effects on the main VECs/VSECs that could be affected by the Project,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.6 X.6 X.6 X.6 X.6 1.3	1-29 to 1-31, 2-23 to 2-25 4-62 to 4-68, 5-197 to 5-242, 6-69 to 6-82, 7-50 to 7-63, 8-70 to 8-94, 9-55 to 9-58, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37 to 5-38, 6-70, 7-56 to 7-57 2-39 to 2-41, 3-30 to 3-32, 4-50 to 4-52, 5-232 to 5-34, 6-35 to 6-39 to 6-48, 7-36 1-29, 3-104 to 3-120, 4-60 to 4-78, 5-61 1-35 to 1-51
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		ii. Present a justification for the spatial and temporal boundaries for the CEA. It should be noted that these boundaries can vary depending on the VECs or VSECs assessed. The Proponent shall give due consideration to the potential for cumulative effects that may be transboundary in nature,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4 1	X.6.1 X.6.1 X.6.1 X.6.1 X.6.1 1.3.4	1-29 to 1-31, 2-23 to 2-25 4-61, 5-197 to 5-203, 6-69 to 6-70, 7-50 to 7-51, 8-70 to 8-71, 9-55 to 9-57, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37, 6-70, 7-56 2-39, 3-30, 4-50, 5-32, 6-39, 7-36 1-29, 3-104 to 3-112, 4-60 to 4-68 1-39 to 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		iii. Discuss and justify the choice of projects, components and selected activities for the CEA. These shall include past activities and projects, those currently being carried out and any reasonably foreseeable project or activity. Activities should not be limited to exploration and mining-related activities but include other factors not related to mining (e.g., wildfires, roads/airstrips developed for non-mining activities, etc.), and	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4 1	X.6.2 X.6.2 X.6.2 X.6.2 X.6.2 1.3.4	1-31, 2-25 4-56 to 4-58, 5-203 to 5-238, 6-70 to 6-80, 7-51 to 7-61, 8-71 to 8-89, 9-57 to 9-58, 10-53 to 10-54 1-55 to 1-56, 4-59, 5-37 to 5-38, 6-70, 7-56 to 7-57 2-41, 3-32 to 3-33, 4-50 to 4-52, 5-32, 6-39, 7-36 to 7-37 1-29, 3-112 to 3-113, 4-68 to 4-71 1-39 to 1-49
7.0 IMPACT ASSESSMENT METHODOLOGY	7.11 CUMULATIVE EFFECTS ASSESSMENT		iv. Discuss the mitigation measures that are technically and economically feasible, and determine the significance of the cumulative effects. If any impact is identified and verified beyond the Proponent's sole responsibility or capacity, the Proponent shall make best efforts to identify how its mitigation measures may contribute toward any collective mitigation undertaken by other responsible parties.	5 7 8 9	4, 5, 6, 7, 8 5, 6 1, 3, 4 1	4.6.3, 5.6.3, 6.6.3, 7.6.3, 8.6.3 5.6.3, 6.6.3 1.6.3, 3.6.3, 4.6.3 1.3.5.2	4-58 to 4-59, 5-238 to 5-239, 6-80, 7-61, 8-89 5-32 to 5-34, 6-47 1-29, 3-114 to 3-116, 4-71 1-50
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		For the purpose of the current Guidelines, transboundary impacts (as defined in the Glossary) must be considered, and will include consideration of direct, indirect, and residual effects of the Project activities (occuring within the NSA) that may occur across provincial, territorial, and international boundaries outside of the NSA.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.7 X.7 X.7 X.7 X.7 1.4	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32 to 3-33, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 1-51 to 1-53
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		The Proponent shall give due consideration to the potential for transboundary impacts which may be a result from interactions between the effects of the Project in the NSA, and the effects of projects located outside the NSA.	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 2	X.7 X.7 X.7 X.7 X.7 All	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32 to 3-33, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		The potential for transboundary impacts related to cumulative effects associated with this Project must also be addressed.	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 2	X.7 X.7 X.7 X.7 X.7 All	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32 to 3-33, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		Where possible, transboundary impacts should be included within the discussion of various VECs and VSECs as such are identified.	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 2	X.7 X.7 X.7 X.7 X.7 All	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32 to 3-33, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 All

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Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		The Proponent is also required to present an overall discussion of the potential for transboundary impacts, including predictions, impact assessment and proposed mitigation and monitoring plans.	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 2	X.7 X.7 X.7 X.7 X.7 All	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32 to 3-33, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		Where feasible, the potential for transboundary impacts should be considered for all VECs and VSECs identified by the Proponent. In particular, and without limitation, the Proponent should ensure that the potential for transboundary impacts identified by the Minister of Aboriginal Affairs and Northern Development in his letter referring the Project Proposal to the NIRB for review (December 17, 2012) should be addressed, which included that:	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 2	X.7 X.7 X.7 X.7 X.7 All	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32 to 3-33, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61 All
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		i. Impacts associated with the proposed Project infrastructure (including any associated transportation) on wildlife species such as caribou that have a large migration range, and the resulting socio-economic impacts to communities and groups that rely on these wildlife resources,	5 8	5 3	5.6 3.6	5-197 to 5-242 3-104 to 3-120
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		ii. Impacts to the local, regional and territorial health system of the Northwest Territories as a result of reliance on medical services, and	8	3	3.6	3-104 to 3-120
7.0 IMPACT ASSESSMENT METHODOLOGY	7.12 TRANSBOUNDARY IMPACTS		iii. Impacts to employment and business within the region affected by the Project.	8	3	3.6	3-104 to 3-120
7.0 IMPACT ASSESSMENT METHODOLOGY	7.13 INDICATORS AND CRITERIA		The Proponent shall identify the indicators and/or criteria selected for assessing the potential impacts of the Project, including any cumulative and transboundary impacts, and shall justify their selection. In doing so, the Proponent shall describe the role played by consultation with members of the public (TK) and technical experts.	3 4 5 6 7 8	1, 2, 3 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	1.6.2, 2.2, 3.3 X.2, X.5, X.6, X.7 X.2, X.5, X.6, X.7 X.2, X.5, X.6, X.7 X.2, X.5, X.6, X.7 X.2, X.5, X.6, X.7	1-37 to 1-38, 2-3 to 2-4, 3-50 to 3-53 1-10 to 1-11, 1-15 to 1-31, 2-6 to 2-7, 2-11 to 2-25 4-18 to 4-19, 4-26 to 4-62, 5-122 to 5-125, 5-131 to 5-242, 6-22 to 6-33, 6-37 to 6-82, 7-14 to 7-16, 7-18 to 7-63, 8-25 to 8-30, 8-32 to 8-94, 9-25 to 9-28, 9-30 to 9-58, 10-15 to 10-17, 10-22 to 10-54 1-29 to 1-31, 1-41 to 1-56, 4-23 to 4-25, 4-26 to 4-59, 5-12 to 5-13, 5-14 to 5-38, 6-35 to 6-42, 6-44 to 6-71, 7-25 to 7-32, 7-34 to 7-57 2-14 to 2-15, 2-16 to 2-41, 3-10 to 3-11, 3-12 to 3-33, 4-30 to 4-37, 4-40 to 4-52, 5-11 to 5-20, 5-22 to 5-34, 6-15 to 6-18, 6-20 to 6-50, 7-9 to 7-11 , 7-15 to 7-37 1-11 to 1-12, 1-15 to 1-29, 3-25 to 3-27, 3-42 to 3-124, 4-22 to 4-26, 4-33 to 4-82, 5-15 to 5-20, 5-23 to 5-61
7.0 IMPACT ASSESSMENT METHODOLOGY	7.13 INDICATORS AND CRITERIA		In its discussion of indicators, the Proponent shall emphasize the linkage between those indicators and the relevant VECs or VSECs and how TK was used in the selection of indicators used to assess potential impacts of the Project. The indicators for the VECs should include sensitivity to contaminants and environmental pathways of exposure and bio-magnification.	4 5 6 7 8 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 6	X.2, X.5.1 X.2, X.5.1 X.2, X.5.1 X.2, X.5.1 X.2, X.5.1 6.4.1.9, 6.4.2.9	1-15 to 1-20, 1-29 to 1-31, 2-11 to 2-14, 2-23 to 2-25 4-26 to 4-28, 4-56, 5-131 to 5-134, 5-197 to 5-203, 6-37 to 6-40, 6-69 to 6-70, 7-18 to 7-22, 7-50 to 7-51, 8-32 to 8-37, 8-70 to 8-71, 9-30 to 9-35, 9-55 to 9-57, 10-22 to 10-24, 10-51 to 10-54 1-29 to 1-31, 1-41 to 1-43, 4-23 to 4-25, 4-26 to 4-31, 5-12 to 5-13, 5-14 to 5-19, 6-35 to 6-42, 6-44 to 6-47, 7-25 to 7-32, 7-34 to 7-37 2-16 to 2-20, 2-39, 3-12 to 3-16, 3-30, 4-40, 4-50, 5-22 to 5-25, 5-32, 6-20 to 6-25, 6-41, 7-15 to 7-18, 7-36 1-15 to 1-16, 1-29, 3-42 to 3-46, 3-104, 4-33 to 4-38, 4-60 to 4-68, 5-23 to 5-25, 5-61
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		In the process of significance determination, the Proponent is expected to communicate with potentially affected communities, including relevant individuals and organizations to solicit input and incorporate their views regarding the value it placed on a VEC or VSEC, as well as associated significance of impacts.	3	1, 3	1.6.2.2, 1.6.2.3, 3.3.2, 3.3.3	1-38, 1-38, 3-51, 3-52
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		The Proponent shall describe how it will determine the significance that different parties assigned to each impact, and how it will proceed if different parties ascribe varying significance to VECs, VSECs, the interaction between VECs and VSECs or the associated impacts. If it is impossible to attain a consensus on the significance of certain impacts, the Proponent shall present the range of viewpoints expressed and shall present and justify its preference, if any.	9	1	1.2.3	1-4 to 1-18
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		The Proponent shall describe the significance it ascribes to each effect, and justify how the significance of the effect was determined, taking into consideration and avoiding duplication of the information provided above. Furthermore, the proponent shall demonstrate how uncertainty was accounted for in their significance determination for each predicted effect.	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 All	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-40, 2-45, 3-12 to 3-16, 3-27 to 3-32, 3-36, 4-40 to 4-43, 4-50, 4-54, 5-22 to 5-25, 5-32 to 5-34, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62 All

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Part	Section	Subsection					
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		The dynamic change of ecosystems and their components must also be considered in determining impact significance. The Proponent shall evaluate the significance of potential impacts in the light of data on the current "state of health" of ecosystems and their predictable evolution, taking into account global climate change.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5.1, X.5.4, X.5.5, X.6.1, X.10	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-34 to 2-37, 2-39 to 2-40, 2-44, 3-12 to 3-17, 3-27 to 3-31, 3-35, 4-36 to 4-39, 4-43, 4-46 to 4-47, 5-19 to 5-20, 5-25 to 5-27, 5-31 to 5-32, 6-18 to 6-22, 6-34 to 6-44, 6-50 to 6-51, 7-15 to 7-17, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		Consistent with the ecosystem approach required above, the Proponent should highlight the interactions within and between ecosystem components in an effort to increase understanding of the dynamism of the ecosystems in question and the nature and severity of the predicted impacts.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5.1, X.5.4, X.5.5, X.6.1, X.10	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-40, 2-45, 3-12 to 3-16, 3-27 to 3-32, 3-36, 4-40 to 4-43, 4-50, 4-54, 5-22 to 5-25, 5-32 to 5-34, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		The terms used to describe the level of significance, such as "low", "medium", "high", "adverse", "beneficial", "positive", "negative" must be clearly defined, where possible in quantitative terms. The following attributes defined by the NIRB shall be taken into consideration in determining the significance of each impact:	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 1.2.4.4, 1.2.4.5	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-40, 2-45, 3-12 to 3-16, 3-27 to 3-32, 3-36, 4-40 to 4-43, 4-50, 4-54, 5-22 to 5-25, 5-32 to 5-34, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62 1-27 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		i. Probability of effects,	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 1.2.4.4, 1.2.4.5	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-40, 2-45, 3-12 to 3-16, 3-27 to 3-32, 3-36, 4-40 to 4-43, 4-50, 4-54, 5-22 to 5-25, 5-32 to 5-34, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62 1-27 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		ii. Direction or nature of impact (i.e. positive/beneficial versus negative/adverse),	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 1.2.4.4, 1.2.4.5	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-40, 2-45, 3-12 to 3-16, 3-27 to 3-32, 3-36, 4-40 to 4-43, 4-50, 4-54, 5-22 to 5-25, 5-32 to 5-34, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62 1-27 to 1-35
7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		ii. Direction or nature of impact (i.e. positive/beneficial versus negative/adverse),	4 5 6 7 8 9	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 X.5.1, X.5.4, X.5.5, X.6.1, X.10 1.2.4.4, 1.2.4.5	1-15 to 1-20, 1-28 to 1-31, 1-33, 2-11 to 2-14, 2-22 to 2-25, 2-27 4-26 to 4-28, 4-32 to 4-56, 4-71, 5-83 to 5-85, 5-112 to 5-119, 5-249, 6-37 to 6-40, 6-64 to 6-70, 6-90, 7-18 to 7-22, 7-46 to 7-51, 7-69 to 7-70, 8-32 to 8-37, 8-65 to 8-71, 8-100, 9-30 to 9-35, 9-54 to 9-57, 9-63, 10-22 to 10-25, 10-48 to 10-54, 10-58 1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31 to 5-37, 5-37 to 5-38, 5-42, 6-44 to 6-47, 6-70, 6-70, 6-74, 7-34 to 7-37, 7-56, 7-56, 7-61 2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-40, 2-45, 3-12 to 3-16, 3-27 to 3-32, 3-36, 4-40 to 4-43, 4-50, 4-54, 5-22 to 5-25, 5-32 to 5-34, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42 1-15 to 1-16, 1-26 to 1-29, 1-29, 1-31, 3-42 to 3-46, 3-95 to 3-101, 3-104 to 3-112, 3-130, 4-33 to 4-38, 4-55 to 4-60, 4-61 to 4-68, 4-85, 5-23 to 5-25, 5-36 to 5-61, 5-61, 5-62 1-27 to 1-35

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Part	Section	Subsection					
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				4	1, 2	X.5.1, X.5.4, X.5.5, X.6.1, X.10	63, 10-22 to 10-25, 10-48 to 10-54, 10-58
				5	4, 5, 6, 7, 8, 9, 10	X.5.1, X.5.4, X.5.5, X.6.1, X.10	1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31
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				6	1, 4, 5, 6, 7	X.5.1, X.5.4, X.5.5, X.6.1, X.10	53 to 6-54, 6-67, 6-72, 7-35 to 7-36, 7-44 to 7-46, 7-50 to 7-51
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				8	1, 3, 4, 5	X.5.1, X.5.4, X.5.5, X.6.1, X.10	43, 4-49 to 4-50, 4-50 to 4-52, 4-54, 5-22 to 5-25, 5-31 to 5-32, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-
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				4	1, 2	X.5.1, X.5.4, X.5.5, X.6.1, X.10	63, 10-22 to 10-25, 10-48 to 10-54, 10-58
				5	4, 5, 6, 7, 8, 9, 10	X.5.1, X.5.4, X.5.5, X.6.1, X.10	1-41 to 1-43, 1-45 to 1-55, 1-56, 1-57, 4-26 to 4-31, 4-45 to 4-57, 4-57 to 4-59, 4-63, 5-14 to 5-19, 5-31
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				6	1, 4, 5, 6, 7	X.5.1, X.5.4, X.5.5, X.6.1, X.10	6-70, 6-74, 7-34 to 7-37, 7-56, 7-61
				7	2, 3, 4, 5, 6, 7	X.5.1, X.5.4, X.5.5, X.6.1, X.10	2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-41, 2-45, 3-12 to 3-16, 3-27 to 3-30, 3-30 to 3-32, 3-36, 4-40 to 4-
				8	1, 3, 4, 5	X.5.1, X.5.4, X.5.5, X.6.1, X.10	43, 4-49 to 4-50, 4-50 to 4-52, 4-54, 5-22 to 5-25, 5-31 to 5-32, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-
				9	1	1.2.4.4, 1.2.4.5	39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42
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				5	4, 5, 6, 7, 8, 9, 10	X.5.1, X.5.4, X.5.5, X.6.1, X.10	1-41 to 1-43, 1-46 to 1-56, 4-26 to 4-29, 4-45 to 4-59, 4-63, 5-1 to 5-12, 5-31 to 5-37, 5-42, 6-44 to 6-47,
				6	1, 4, 5, 6, 7	X.5.1, X.5.4, X.5.5, X.6.1, X.10	6-70, 6-74, 7-34 to 7-37, 7-56, 7-61
				7	2, 3, 4, 5, 6, 7	X.5.1, X.5.4, X.5.5, X.6.1, X.10	2-16 to 2-20, 2-33 to 2-39, 2-39 to 2-41, 2-45, 3-12 to 3-16, 3-27 to 3-30, 3-30 to 3-32, 3-36, 4-40 to 4-
				8	1, 3, 4, 5	X.5.1, X.5.4, X.5.5, X.6.1, X.10	43, 4-49 to 4-50, 4-50 to 4-52, 4-54, 5-22 to 5-25, 5-31 to 5-32, 5-32, 5-37, 6-20 to 6-25, 6-38 to 6-39, 6-
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				9	1	1.2.4.4, 1.2.4.5	39 to 6-42, 6-55, 7-15 to 7-18, 7-36, 7-42
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				7	2, 3, 4, 5, 6, 7	X.2	2-14 to 2-15, 3-10 to 3-11, 4-30 to 4-37, 5-11 to 5-20, 6-15 to 6-18, 7-9 to 7-11
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7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		xii. The extent of the effects of the project on other regional human populations and wildlife populations, including the extent of the effects on Inuit harvesting activities,	5	4, 5, 6, 7, 8	X.5.1, X.5.4, X.5.5, X.6.1, X.6.3, X.6.4, X.6.5	4-26 to 4-28, 4-32 to 4-62, 4-58 to 4-62, 5-131 to 5-134, 5-191 to 5-203, 5-238 to 5-242, 6-37 to 6-40, 6-
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7.0 IMPACT ASSESSMENT METHODOLOGY	7.14 SIGNIFICANCE DETERMINATION		xvi. The value attached to the impacted VEC or VSEC by those who identified them.	3	1, 3	1.6.2.2, 1.6.2.3, 3.3.2, 3.3.3	1-38, 3-51 to 3-52
7.0 IMPACT ASSESSMENT METHODOLOGY	7.15 CERTAINTY		The Proponent shall assess the degree of uncertainty associated with each predicted effect. The level of certainty with predictions is related to limitations in the overall understanding of the ecosystem and limitations in accurately foreseeing future events or conditions.	4	1, 2	1.5.4, 1.5.5, 2.5.4, 2.5.5	1-28 to 1-29, 2-22 to 2-23
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				8	1, 3, 4, 5	2.5.4, 2.5.5, 3.5.4, 3.5.5, 4.5.4, 4.5.5, 5.5.4, 5.5.5	1-26 to 1-29, 3-95 to 3-101, 4-55 to 4-60, 5-36 to 5-61
				9	1	1.5.4, 1.5.5, 3.5.4, 3.5.5, 4.5.4, 4.5.5, 5.5.4, 5.5.5	1-27 to 1-35
						1.2.4.4, 1.2.4.5	
7.0 IMPACT ASSESSMENT METHODOLOGY	7.15 CERTAINTY		The Proponent shall provide a reasonable description how uncertainties have been dealt with, for example, through elements of the project design, monitoring and contingency plans design, etc.	9	1	1.2.4	1.18 to 1.35
				10	1	4.1	5

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	7.15 CERTAINTY		The EIS shall provide a complete analysis of the predicted effects from the Project on the biophysical and socio-economic environments (see Section 7.0), and will serve as a basis for developing various mitigation and monitoring plans to address the potential impacts of the Project.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7, X.8, X.9, X.10	1-15 to 2-1, 2-11 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-68, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-41 to 1-57, 4-26 to 4-64, 5-14 to 5-42, 6-44 to 6-74, 7-34 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-15 to 1-31, 3-42 to 3-130, 4-33 to 4-85, 5-23 to 5-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall present relevant information pertaining to the biophysical environment and associated processes to be assessed (see Section 7.3) to serve as a baseline against which the potential impacts of the Project can be measured. Information should be presented in the form of a conceptual site model with clear links to ecological and human health risk assessment presented throughout the document. Baseline summaries should also include trends, timelines and how the environment is expected to change over the life of the Project.	4 5 6 7 8 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 6	X.1 X.1 X.1 X.1 X.1 All	1-1 to 1-10, 2-1 to 2-6 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 3-1 to 3-25, 4-1 to 4-22, 5-1 to 5-15 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		In describing the biophysical environment, the Proponent shall take an ecosystemic approach that takes into account both scientific and TK perspectives encompassing all levels of complexity found in an ecosystem, both structurally and functionally.	4, 5, 6, 7, 8	All	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		In its impact assessment, the Proponent shall identify and justify the thresholds or indicators, and further relate them to Project monitoring and follow-up measures. For each predicted negative impact in this section, associated mitigation measures are to be discussed to the extent possible, with references to project design (Section 6.1) and environmental management systems (Section 9.0).	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7, X.8, X.9, X.10	1-15 to 2-1, 2-11 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-68, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-41 to 1-57, 4-26 to 4-64, 5-14 to 5-42, 6-44 to 6-74, 7-34 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-15 to 1-31, 3-42 to 3-130, 4-33 to 4-85, 5-23 to 5-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall also include a consideration of the temporal scale and predictions of when potential impacts to each relevant VEC could reasonably be expected to manifest.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.4, X.5, X.6, X.7, X.8, X.9, X.10	1-12 to 1-33, 2-8 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-68, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-32 to 1-57, 4-25 to 4-64, 5-13 to 5-42, 6-43 to 6-74, 7-33 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-12 to 1-31, 3-41 to 3-130, 4-33 to 4-85, 5-20 to 5-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall include a prediction of trends relating to potential project impacts that provides for a temporal scale which encompasses all closure and reclamation activities.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.4, X.5, X.6, X.7, X.8, X.9, X.10	1-12 to 1-33, 2-8 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-68, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-32 to 1-57, 4-25 to 4-64, 5-13 to 5-42, 6-43 to 6-74, 7-33 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-12 to 1-31, 3-41 to 3-130, 4-33 to 4-85, 5-20 to 5-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.1 Air Quality		-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.1.1 Baseline Information	i. Background ambient air quality data collected in the LSA and RSA including airborne dust (TSP, PM10 and PM2.5),	4	1	1.1.2	1-2 to 1-8
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Current sources of criteria air contaminants [TSP, PM10, PM2.5, NOx, SO2, volatile organic compounds (VOCs), Ozone (O3) etc.] and GHG emissions, and	4	1 3	1.1.3 3.1.1.2	1-8 to 1-10 3-1
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Seasonal variations or climatic conditions associated with variations on air quality.	4	1	1.1.4	1-10
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.1.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities on air quality. This analysis shall include the following:	4	1	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Discussion of the standards, guidelines and regulations that the Proponent will incorporate to minimize and mitigate effects to air quality,	4	1	1.5.1	1-15 to 1-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Predictions of principle pollution emission sources from the Project at various stages, including:	4	1, 3	1.5.2, All	1-20 to 1-27, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Criteria air contaminants [TSP, PM10, PM2.5, NOx, SO2, volatile organic compounds (VOCs), Ozone (O3), etc.] and GHG emissions from the fuel consumption of mobile equipment such as vehicles, marine vessels, aircraft, and stationary equipment such as diesel generators and other combustion sources,	4	1, 3	1.5.1, 1.5.2, 3.4.2.2	1-15 to 1-20, 1-20 to 1-27, 3-37 to 3-40
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Fugitive dust and gaseous emissions from construction activities and land clearing, extraction and ore processing, handling, tailings, waste rock and ore stockpiling, quarries and other Project components and works, and	4	1	1.5.2.2	1-22 to 1-27
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Fugitive dust emissions from ground transportation and wind erosion at various Project components including the all-weather road, access roads and mine hauling roads.	4	1	1.5.2.2	1-22 to 1-27
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Assessment of dispersion of Project emissions within the LSA and RSA, using appropriate modelling, and discussion of related impacts and mitigation strategies,	4	1	1.5.2.2 - 1.5.5	1-22 to 1-29

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Discussion of Project components and activities which may contribute to the potential for acidic input, and an evaluation of associated effects,	4	1	1.1.2.2, 1.5.2	1-6, 1-20 to 1-27
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Assessment of effects on air quality from Project emissions during various project stages including airborne dust (TSP, PM10 and PM2.5 and/or metals) and criteria air contaminants such as SO2, NOx, CO, VOCs, O3, etc.,	4 8	1 6	1.5.1, 1.5.2.1, 1.5.2.2 6.4.2.7, 6.4.2.10	1-15 to 1-20, 1-21 to 1-22, 1-22 to 1-27 6-104 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Assessment of the Project's GHG contributions to both Nunavut and Canada, and	4	3	3.4.2	3-37 to 3-40
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. A discussion of the potential effects of changes in air quality on human health and the environment.	8	6	6.4.1.10, 6.4.1.11, 6.4.2.10	6-94 to 6-95, 6-163 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.2 Climate and Meteorology	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.2.1 Baseline Information	i. A description of the baseline meteorological and climatic conditions at the LSA and RSA, including methods of determination including a discussion of how data from outside the project area may have been utilized and uncertainties encountered,	4	3	3.1.1.1, 3.1.2	3-1, 3-2 to 3-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Meteorological data including, but not limited to, air temperature, precipitation, wind directions and velocity, as well as prevailing wind directions for locations of proposed project components and along proposed shipping route(s),	4	3	3.1.2.2	3-4 to 3-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Annual, seasonal, monthly and daily average and mean values of above noted meteorological parameters, seasonal and yearly fluctuations and variability, and extreme climate events over the same period of time in which the data including site-specific data are collected in the RSA of the Project, and	4	3	3.1.2.2	3-4 to 3-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Prevalent trends related to VECs in the project area and any resulting implications to the Project.	4	3	3.1.1.3	3-1 to 3-2
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.2.2 Impact Assessment	The Proponent is required to present a comprehensive analysis of the impact that all components of the Project and activities may have on climate and meteorology. This analysis shall include the following:	4	3	3.4.2.1	3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. A discussion of the relationship between climate change and GHG emissions from the Project, and	4	3	3.4.2.1	3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A discussion on the climate parameters that may change due to emissions from the Project [GHGs, and criteria contaminants such as SO2, NOx, CO, VOCs, O3, etc.].	4	3	3.4.2.1	3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.3 Noise and Vibration	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.3.1 Baseline Information	i. A description of baseline noise and vibration levels in the Project area, including a discussion on variability, and if applicable, the relationship between these parameters and local weather conditions, seasonal variations, etc.,	4	2	2.1.2	2-2 to 2-6
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A review of available studies/research the potential impacts of noise and vibrations on wildlife behaviours and health in both terrestrial and marine environments, with a focus on noise from similar mining and shipping operations, in comparable climate and geographical regions if possible. Emphasis should be placed on level of noise and the identification of noise sensitive species, timing, etc., and	5 7	5, 6, 7, 8, 9, 10 6, 7	5.5.2.2, 6.5.2.2, 7.5.2.2, 8.5.2.2, 9.5.2.2, 10.5.2.2 6.5.2.2, 7.5.2.2.	5-148 to 5-162, 6-47 to 6-55, 7-30 to 7-40, 8-43 to 8-58, 9-40 to 9-47, 10-29 to 10-41 6-27 to 6-33, 7-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. A review of available studies/research on the potential impacts of noise and vibrations from blasting in or near freshwater and marine environments.	7	5	5.5.2.2	5-28 to 5-29
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.3.2 Impact Assessment	The Proponent is required to present a comprehensive analysis of the impact that all Project components and activities may have on noise and vibration. This analysis shall include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. A description of anticipated noise and vibration levels from all relevant Project equipment and activities,	4 7 8	2 5 6	2.3.1, 2.5.2.1, 2.5.2.2 5.5.2.2 6.4.3.10	2-7 to 2-8, 2-15, 5-28 to 5-29 6-172
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A discussion of the standards, guidelines, thresholds and regulations that the Proponent will comply with to minimize and mitigate impacts associated with noise and vibrations,	4	2	2.5.2.3	2-16 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential increase to atmospheric noise levels from Project activities at different project stages, including those contributions arising from:	-	-	-	-

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Ground transportation, including mine traffic, other access roads and the public where applicable,	4	2	2.5.2.3	2-16 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Air transportation,	4	2	2.5.2.3	2-16 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Equipment use at mine and construction sites, including power generators, and	4	2	2.5.2.3	2-16 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Mine site operations including: blasting, drilling, crushing, screening, milling, smelting, transportation and stockpiling activities,	4	2	2.5.2.3	2-16 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential changes in marine noise levels due to shipping activities, as well as noise propagation in the marine environment, and	4 7	2 6, 7	2.5.2.1 6.5.2.2, 7.5.2.2	2-15 6-27 to 6-33, 7-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts of noise and vibration on the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Humans and human activity in close proximity to noise generating sources,	8	6	6.4.3.11.2	6-178
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Terrestrial wildlife, with a focus on caribou and migratory birds and Species at Risk,	5 7	5, 6, 7, 8, 9, 10 6	5.5.2.2, 6.5.2.2, 7.5.2.2, 8.5.2.2, 9.5.2.2, 10.5.2.2 6.5.2.2	5-148 to 5-162, 6-47 to 6-55, 7-30 to 7-40, 8-43 to 8-58, 9-40 to 9-47, 10-29 to 10-41 6-27 to 6-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Marine mammals, and	7	6, 7	6.5.2.2, 7.5.2.2	6-25 to 6-28, 7-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Fish in fresh water and marine environments.	7	5	5.5.2.2, 5.5.4	5-28, 5-31 to 5-32
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.4 Terrestrial Environment	For the purpose of the current Guidelines, terrestrial environment includes terrestrial ecology, landform and soils, permafrost, and ground stability.	5	All	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.4.1 Baseline Information	i. A description of existing unique or valuable landforms (e.g. eskers, fragile landscapes, wetlands), including details regarding their ecological functions and distribution in the LSA,	5	4	4.1, 4.3.2.2	4-1 to 4-18, 4-22 to 4-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of existing or proposed protected areas, special management areas, and conservation areas in the RSA,	5	4	4.1	4-1 to 4-18
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. A discussion of the landforms and topographic features at areas proposed for construction of major project components, including the type, thickness, soil stability and/or clay sensitivity, and classification and distribution of soils as applicable,	5	3	3.4.1.3, 3.4.1.4	3-34 to 3-35
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. A description of the bedrock lithology, morphology, surface geology, landform and soils (including sediments and the thermal and ground ice conditions) at proposed borrow and quarry sites, project facilities such as tailing and waste rock management facilities, roads, and other areas where earthworks are proposed. If eskers are identified as a potential source of granular material, then a description of granular material properties, including thermal condition and ice content, should also be included,	5	1, 2, 4	1.1, 2.1, 4.1	1-1 to 1-15, 2-1 to 2-22, 4-1 to 4-18
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. A discussion of the potential of geohazards, that may have an effect on the project or the occurrence of which may potentially be affected by the Project (e.g., slumping, landslides, potential slippage, seismic hazards) at areas planned for Project facilities and infrastructure,	5 9	3 2	3.4.1 2.2	3-33 2-1 to 2-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. A discussion of the relationship between permafrost processes and active layer, surface waterbodies and topography, including a description of permafrost and talik configuration in the development area and adjacent water bodies and implications for groundwater flow pathways,	5	2, 3, 4	2.4.1, 3.1, 4.1	2-23, 3-1 to 3-21, 4-1 to 4-18
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Details regarding the suitability of topsoil and overburden for use in the re-vegetation of surface-disturbed areas,	5	3	3.1.3	3-6 to 3-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. A description of permafrost distribution in the LSA, including areas of discontinuous permafrost, high ice-content soils, ice lenses, thaw-sensitive slopes, and talik zones,	5	2, 3	2.1, 3.4.1.3	2-1 to 2-22, 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. A description of permafrost temperatures at areas planned for Project facilities and infrastructure, including discussion of sensitivity to climate change, and implications for stability and safety of infrastructures, and	5	2, 3	2.1, 3.4.1.3	2-1 to 2-22, 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Sites of paleontological or palaeobotanical significance within the LSA.	8	2	2.1	2-1 to 2-2

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.4.2 Impact Assessment	The Proponent is required to present a comprehensive analysis of the impact that all Project components and activities may have on the terrestrial environment. This analysis shall include the following:	5	All	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. The general impact on topography in the LSA as a result of Project development, borrow resource extraction, with a focus on sensitive landforms, and those serving as important vegetation and wildlife habitat,	5	4	4.5.2, 4.8.4, 4.9	4-28 to 4-30, 4-63, 4-63 to 4-65
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential impacts on the abundance and distribution of unique or valuable landforms (e.g. wetlands, eskers and fragile landscapes) from the Project,	5	4	4.5.4.1	4-33 to 4-50
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential for soil erosion, including stream bank erosion, resulting from surface disturbances associated with the Project components and activities (e.g. road embankments, water crossings, water management/diversions) during all Project phases,	5	3	3.4.1.1	3-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts to soil quality from compaction, the deposition of air emissions and airborne fugitive dust emissions and/or spills from the Project,	5 8	3 6	Appendix V4-1B 3.4.2 6.4.4	All 3-34 6-177
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Implications to the Project planning and design of design of project components related to terrain conditions, in particular permafrost, sensitive landforms, high ice-content soils, ice lenses, thaw-sensitive slopes, and talik zones,	5 6 9	3 2 2	3.4.3, 3.4.4 2.1.2 2.2, 2.3, 2.4	3-34 to 3-35 2-4 to 2-20 2-1 to 2-8
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impacts on the stability of terrain, in particular the thermal stability, in the vicinity of facilities and infrastructure due to the thawing of the ice-rich permafrost soils and other sensitive landforms. Discussion should focus on the potential for impacts arising from surface disturbances due to construction (e.g. overburden stripping, mine pit creation, cuts/fills, excavation) of the facility and infrastructure,	5	3	3.4	3-33 to 3-35
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. An assessment and prediction of permafrost behaviour (degradation and its rate) beneath the pits during mining and operation of the tailings management facilities including disposing of waste rock. Long-term predictions of the thermal regime around the tailings management facilities should be conducted with the consideration of climate change. Numerical modelling should be employed for both short term and long term predictions of permafrost evolution including predictions of artesian inflow into the tailings management facilities if thawing of permafrost is envisioned,	5	2	2.1.2	2-5 to 2-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential impacts on contamination of traditional foods as a result of bioaccumulation, (i.e. food chain uptake through air, water and soil),	8	5, 6	5.5, 6.4.1.7, 6.4.2.7	5-23 to 5-61, 6-36 to 6-57, 6-104 to 6-124
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential impacts on food (i.e. contamination of country foods) including those harvested or grown for subsistence or medicinal purposes (i.e. berries, etc.),	8	5, 6	5.5, 6.4.1.7, 6.4.2.7, 6.4.2.11	5-23 to 5-61, 6-36 to 6-57, 6-104 to 6-124, 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. A discussion of whether country foods are consumed, or are expected to be consumed, in the potentially affected area,	8	5, 6	5.1, Appendix V8-5A, 6.1.8, 6.4.2.12	5-1 to 5-15, All, 6-11, 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Identification of what country foods are consumed, which parts of country foods are consumed, and their consumption frequency,	8	5	5.1, Appendix V8-5A	5-1 to 5-15, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xii. Lists all potential contaminants and a determination of whether these contaminants may persist into country foods as a result from project activities,	8	6	6.4.1.6, 6.4.1.7, 6.4.2.6, 6.4.2.10	6-35 to 6-36, 6-36 to 6-58, 6-163 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xiii. Potential impact from the loss or alteration of habitat (i.e. vegetation) due to pollutants and noise and its effects on wildlife, wildlife calving grounds and marine habitat,	5	5, 6, 7, 8, 9, 10	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xiv. A discussion on environmental receptivity including ecological, physical and/or climatic factors that influence exposure to harmful substances, and	4	3	3.4	3-33 to 3-42
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xv. A discussion of the potential for the occurrence, frequency and distribution of terrain hazards, including snow drifts and snow banks, as a result of construction activities (e.g. cut/fill, extraction of construction materials).	5	3	3.4	3-33 to 3-35
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.5 Geological Features, Surficial and Bedrock Geology and Geochemistry	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.5.1 Baseline Information	i. A description of local and regional bedrock and quaternary geology. The history of the geological formations and the description of their physical, chemical and hydrogeological properties should be given. For data obtained with in-situ investigations, maps should be provided showing the location of the boreholes, with their positions relative to the planned project component,	5 6 2	1, 2 2 7	1.1, 2.1 2.1 7.1	1-1 to 1-14, 2-1 to 2-22 2-1 to 2-20 7-1 to 7-13

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Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of structural geology, such as fractures and faults, at major project infrastructure areas and where earthworks are proposed (e.g. mine site(s), port site, tank farm(s) and storage facilities, etc.),	5 2	1 7	1.1 7.1, Appendix V2-7C	1-1 to 1-14 7-1 to 7-13, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Typical regional and local cross-sections of the general geology should be provided showing the geological units and their elevation, groundwater table, and linear geological structures,	5 6 2	1, 2 2 7	1.1, 2.1 2.1 7.1, Appendix V2-7C	1-1 to 1-14, 2-1 to 2-22 2-1 to 2-20 7-1 to 7-13, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. A description of the geotechnical properties of bedrock and soil units, including ice content and thermal conditions of permafrost soils and rocks, as relating to slope stability, underground stability, and bearing capacity of facility foundations, and	2 5 6	7 2 2	7.1.3, 7.1.5 Appendix V2-7C 2.1 2.1, Appendix V6-2D	7-7 to 7-8, 7-10 to 7-13, All 2-1 to 2-22 2-1 to 2-20, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. An acquisition of the in-situ stress either with in-situ investigation or from other sources with reasonable confidence.	2 9	7 2	7.1.1, 7.2.5.1 2.2.1, 2.2.2, 2.3	7-3 to 7-5, 7-20 2-1 to 2-2, 2-2
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.5.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities on geology. This analysis should include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential geotechnical and geophysical hazards within the Project area, including potential seasonal subsidence, seismicity and faulting, risks associated with cut/fill slopes, underground excavation, and surface constructed facilities. Where appropriate, the assessment should be supplemented by analysis and illustrations such as maps, figures, cross sections and borehole logs,	2	6, 7	6.6.2.1, 7.1.1, 7.2.4.2, 7.2.5.3, Appendix V2-7C	6-21 to 6-23, 7-3 to 7-5, 7-18, 7-22, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential effects on foundation stability of major Project components from geological fractures and faults, and associated implications of these features on project planning and engineering design. Those Project components assessed shall include, but are not limited to the port facilities, major watercourse crossings, open pits, underground mine, and equipment pads, and	2 6 9 10 11	6, 7 2 2 7, 9 2	6.6.13, Appendix V2-7C, Appendix V2-7E 2.1 2.3 3.6.3 3.5	6-33 to 6-40, All, All 2-1 to 2-20 2-7 27 8
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Risk assessment and predictions, including proposed management measures.	2 5 9	7 1 2	7.1.1 1 2.3	7-3 to 7-5 1-1 to 1-10 2-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.6 Hydrological Features and Hydrogeology	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.6.1 Baseline Information	i. A description of hydrology of the LSA (e.g. streams, surface water flows, subsurface water movement, ice formation, and melt patterns),	6	1	1.1.2	1-13 to 1-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of relevant hydrological regimes, drainage basins, watershed boundaries and site water balance in the RSA,	6	1	1.1.1	1-1 to 1-13
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. A description of natural fluctuations, variability, and sources of variability in flow rates, including seasonal fluctuations and year-to-year variability, and the interactions between surface water and groundwater flow systems,	6	1, 2	1.1, 2.1	1-1 to 1-29, 2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. A description of the timing of freeze/thaw cycles, flood zones, ice cover (seasonal patterns and spatial variation), and ice conditions and typical thicknesses, formations and melt patterns,	6	1, 3	1.1, 3.1	1-1 to 1-29, 3-1 to 3- 14
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. A description of hydrological characteristics of streams, rivers, and lakes in each watershed of the RSA. Items listed should be considered within the context of the range of climate conditions expected (include both climatic variability such as potential for extreme events, seasonal changes),	6	1	1.1.1, 1.1.3	1-1 to 1-13, 1-31
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. A conceptual and numerical hydrogeological model that discusses the hydrostratigraphy and groundwater flow systems should be presented,	6	2	2.1, 2.4.1, 2.4.2	2-1 to 2-20, 2-21 to 2-23
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Characterization of faults and fractures within the mine area, including information about occurrence, hydraulic conductivity testing and interpretation,	6	2	2.1	2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. A description of interactions between permafrost, surface water and ground water, and topography, as well as rock fractures and talik zones between different surface/ground waters,	6	2	2.1	2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. A description of permafrost/talik distribution, permeability and hydraulic conductivity of the underlying materials, and	5 6	3 2	3.1 2.1	3-1 to 3-21 2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. A description of existing groundwater regimes, distribution characteristics and flow paths in the Project area, including any instances of frozen groundwater within/around the identified deposits.	6	2	2.1	2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.6.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its shipping activities where applicable, on hydrology and hydrogeology. This analysis should include the following:	-	-	-	-

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Guidelines Section							
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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Discussion of the potential impact of variable and extreme stream-flows on Project design and planning, including how the design and size of proposed watercrossings would ensure adequate flow capacity to accomodate spring freshet and storm flows (e.g. 1 in 100 year or greater storm events). This should include migration contingencies if the watercrossing does not function as intended,	6 9	1, 4, 5 2	1.5.2, 4.5.2, 5.5.2 2.6	1-43, 4-31 to 4-38, 5-19 to 5-25 2-8 to 2-13
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential impacts to existing watersheds from surface water diversions required by mine site development and other Project components (e.g. waste rock stockpiles),	6	1	1.5	1-41 to 1-55
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Evaluation of stormwater runoff throughout the LSA, with consideration for potential impacts to receiving waters (e.g. flow rates and flow patterns),	6 9	1 2	1.1, 1.5.2 2.6	1-1 to 1-29, 1-43 2-8 to 2-13
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts to natural drainage patterns from the construction and operation of proposed mine facilities and Project infrastructure,	6	1	1.5	1-41 to 1-55
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts on terrestrial and aquatic wildlife habitat resulting from the modification or redirection of natural flows,	5	4 , 5, 6, 7, 8, 9, 10	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential for ice damming and resultant effects on other resources,	6 9 10	6.7 2 14	6.5.2, 7.5.2 2.8, 2.14.1 8.4	6-47 to 6-61, 7-37 to 7-46 2-13, 2-17 19
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. An assessment of each watercrossing and in-stream work, and potential impacts to the navigability and safety of the watercourses,	2 10	6 5, 14	6.4.3, 6.5, 6.6 8.2.2 4.2.3, 4.3, 7.1, 7.2	6.7 to 6.8, 6.14 to 6.40 24 12 to 13, 14 to 16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential changes to permafrost and ground ice conditions as a result of Project activities, including an analysis of the potential for groundwater inflow into the open pit, and	2 5 6	7 2 2	Appendix V2-7C 2.4 2.4	All 2-23 to 2-24 2-21 to 2-23
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential changes to permafrost/talik distribution, groundwater distribution and flow paths.	5 6	2 2	2.4 2.4	2-23 to 2-24 2-21 to 2-23
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.7 Groundwater and Surface Water Quality	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.7.1 Baseline Information	i. Identification of all sources of drinking water (surface and groundwater), as well as water used for recreational purposes, within the area of influence of the project,	6	4	4.2, 4.11.1	4-23 to 4-25, 4-64
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of the natural hydrogeochemistry of groundwater system (i.e. pH, redox potential, total dissolved solids, isotopic composition, dissolved oxygen, dissolved metals anions and cations),	6	2	2.1	2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. A description of the physical and chemical characteristics of groundwater and surface water in the LSA, with discussion of seasonal variations of water flow and quality. Chemical characteristics should include baseline levels of contaminants and should be compared to relevant water standards/guidelines with identification of those which are naturally elevated,	6	2, 4	2.1, 4.1.5, 4.1.6	2-1 to 2-20, 4-13 to 4-23
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. A discussion of waters in the LSA of importance to local harvesting activities by surrounding communities,	6	6, 7	6.2.1, 7.2.1	6-35 to 6-41, 7-25 to 7-31
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. A description of lake bathymetry and limnology in the LSA, and	6	3, 6	3.1, 6.1	3-1 to 3-14, 6-1 to 6-35
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Provision of an outline of baseline water quality conditions within the watershed and the project area, including a summary of baseline data collected with summary statistics and detection limits identified,	6	4	4.1.4.2, 4.1.5, 4.1.6	4-4 to 4-23
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Provision of maps and cross sections of the study area indicating the extent of hydrostratigraphic units, permafrost, and lake taliks. Groundwater levels, potentiometric contours and groundwater flow directions should be included.	5 6	2 2	2.1 2.1	2-1 to 2-22 2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Provision of the location and description of all on-site groundwater monitoring wells, including well diameter and screen depth and intercepted aquifer unit. Include all baseline groundwater level data.	6	2	2.1, Appendix V6-2A, Appendix V6-2B	2-1 to 2-20, All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Provision of the location and description of all on-site groundwater monitoring wells, including well diameter and screen depth and intercepted aquifer unit. Include all baseline groundwater level data.	6	2	2.1, Appendix V6-2A, Appendix V6-2B	2-1 to 2-20, All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Provision of hydraulic conductivity data for hydrogeologic units in the study area.	6	2	2.1	2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Provision of a detailed groundwater budget.	6	2	2.4.2	2-22 to 2-23

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Inclusion of a discussion of groundwater interactions with surface water bodies in the area.	6	2	2.1	2-1 to 2-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.7.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its shipping activities where applicable, on groundwater and surface water quality. This analysis should include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Identification and provision of details on the specific contaminants of potential concern to the Project, the project activity to which they are related, the rationale for selecting them and for determining which will be carried forward into the impact assessment,	6 7 8	4, 5 2, 3 6	4.5.1, 4.5.2, 5.5.1, 5.5.2 2.5.1, 2.5.2, 3.5.1, 3.5.2 6.4.1.9, 6.4.2.9	4-36 to 4-38, 5-14 to 5-25 2-16 to 2-26, 3-12 to 3-22 6-73 to 6-94, 6-132 to 6-163
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Provision of predicted increases in contaminants in groundwater and surface water as a result of the Project, specifically identifying any waterbodies used as drinking water sources, for recreational purposes, that are important to local harvesting, the fish bearing status of identified waterbodies as well as specifically identifying any other fish bearing waterbodies. For any water sources identified as being current or future drinking water sources, comparison of concentrations of contaminants to relevant territorial drinking standards/guidelines and/or Health Canada Drinking Water Guidelines (Health Canada, 2010),	6 8	4, 2, 6, 7 6	4.11, 4.1, 4.2, 4.5, 2.2, 2.4.1, 6.1, 6.2, 7.1, 7.2 6.1.2, 6.1.4, 6.4.2.11	4-63 to 4-64, 4-1 to 4-25, 4-26 to 4-57, 2-20 to 2-21, 6-1 to 6-42, 7-1 to 7-32 6-3, 6-5, 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential impacts on groundwater quality and surface water quality in surrounding lakes and rivers from surface runoff and seepage, traffic on Project roads, and from dust from road traffic,	6	2, 4	2.4.1, 4.5	2-21, 4-26 to 4-57
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts on water quality due to under ice water withdrawals,	6	4	4.5.2.2, 4.5.2.5, 4.5.3.2, 4.5.3.5	4-36, 4-37, 4-41, 4-42
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts on groundwater quality and surface water quality of surrounding lakes, rivers, and streams from discharges of Project waste water treatment plants. A solute transport model based on numerical groundwater flow modelling should be used for ground water quality predictions and appropriate models selected (with rationale) to predict:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Water quality from specific sources,	6	2, 4	2.2, 2.4.2, 4.2, 4.5.2.9, 4.5.3.9	2-20 to 2-22, 4-23 to 4-25, 4-38, 4-45
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Water quality discharged to the environment, and	2 10	6 3	6.4.12, 6.4.13, 6.6.3, 7.10 3, 7	6-13, 6-24, 7-42 to 7-48 3 to 42, 43 to 47
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Dispersion, dilution and assimilation of effluent discharged to the environment,	2 10	6, 7 3	6.4.12, 6.4.13, 6.6.3, 7.10 3, 7	6-13, 6-24, 7-42 to 7-48 3 to 42, 43 to 47
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impacts on groundwater quality and surface water quality from dust, ARD and ML resulting from waste rock stockpiles, ore stockpiles, open pit and underground mine dewatering, construction fills, embankment of roads, and open quarry sites,	6	2, 4	2.4.1, 4.5	2-21, 4-16 to 4-57
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Potential impacts of faults on contaminant transport processes in subsurface and surface water quality,	6 9 10	2 2 7	2.1.2.2, 2.1.2.4 2.3 3.6.3, 3.6.4, 3.6.5	2-10 to 2-20, 2-20 2-7 27 to 28
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential impacts on surface water quality of nearby lakes and streams as a result of nutrient input from blasting activities,	2 6 10	6 4 16	6.4.12, 6.4.13, 6.6.3, 7.10 4.5.2.1, 4.5.2.7, 4.5.3.7 6	6-13, 6-24, 7-42 to 7-48 4-36, 4-37 to 4-38, 4-43 to 4-44 9 to 12
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential for increases in suspended sediments in waterbodies as a result of construction and maintenance of the mine facilities, all-weather road and associated water crossings,	6	4	4.5.2.1, 4.5.2.3, 4.5.2.6, 4.5.3.1, 4.5.3.3, 4.5.3.6, 4.5.4.1, 4.5.4.2, 4.5.5	4-36 to 4-37, 4-39 to 4-43, 4-56 to 4-46, 4-56
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Potential impacts on surface/ground water quality from runoff at fuel storage facilities, with consideration for possible fuel spills and malfunctions,	6 9 10	4 3 5	4.5.2.8, 4.5.3.8 3.3 8.2.2	4-38, 4-44 to 4-45 3-6 to 3-20 24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Potential impacts on ground and surface water quality from accidental spills of fuel and chemicals along the ground transportation routes,	6 9	4 3	4.5.2.8, 4.5.3.8 3.3, Appendix V9-3A	4-38, 4-44 to 4-45 3-6 to 3-20, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xii. Potential impacts on surface water quality from the deposition of particulate matter resulting from the incomplete combustion of wastes from incineration,	6	4	4.5.2.8, 4.5.3.8	4-38, 4-44 to 4-45
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xiii. Potential impacts on groundwater and surface water quality in relation to other site waste management activities, including: storage, handling, waste deposition in landfills, landfarming of contaminated soil or runoff, the management of historical contaminated material (e.g. previous spills, mishaps, releases), and sewage effluent discharges,	2 6	6 4	6.4.12, 6.4.13, 6.4.14, 6.6.3 ,6.6.8, 7.10, 8-12 4.5.2.3, 4.5.3.3, 4.5.4.2, 4.5.5	6-13, 6-24, 6-28 to 6-32, 7-42 to 7-48, 8-7 4-36 to 4-37, 4-42, 4-46 to 4-47, 4-56 to 4-57

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xiv. Potential impacts on surface water quality from construction and operation of camps,	6	4	4.5.2.1, 4.5.2.3, 4.5.2.8, 4.5.3.1, 4.5.3.3, 4.5.3.8, 4.5.4.1, 4.5.4.2, 4.5.5	4-36, 4-36, 4-38, 4-39 to 4-42, 4-44 to 4-47, 4-56 to 4-57
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xv. Potential impacts of erosion associated with the all-weather road on surface water quality as a result of vegetation removal, cuts/fills and other surface disturbances,	6	4	4.5.2.1, 4.5.3.1, 4.5.4.1, 4.5.5	4-36, 4-39 to 4-41, 4-45 to 4-46, 4-56 to 4-57
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xvi. Potential impact of ongoing exploration activities on surface water quality from drilling water withdrawals and returns,	6	4	4.5.2.4, 4.5.2.5, 4.5.3.4, 4.5.3.5, 4.5.4.3, 4.5.5	4-37, 4-42 to 4-43, 4-50, 4-47 to 4-57
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xvii. Outline proposed surface water quality objectives to maintain within the watershed and project area throughout life of project. Outline anticipated impacts (and cumulative effects) to surface and groundwater quality in the watershed.	6	2, 4	2.4.1, 4.5.4, 4.5.5, 4.6, 4.8, 4.9	2-21 to 2-22, 4-45 to 4-63
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.8 Sediment Quality	Based on the proposed facilities and activities, the Proponent should identify water bodies that are potentially impacted by development under various pathways. For each water body, the Proponent should provide details on what baseline data is appropriate and if flow or dispersion modeling is required to assess impacts, then the baseline program should be designed to collect that information:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.8.1 Baseline Information	i. A description of the physical and chemical characteristics of sediment in the LSA,	6 7	5 3	5.1 3.1	5-1 to 5-12 3-1 to 3-10
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of sedimentation rates and dispersion patterns in waterbodies of the LSA, and	6	5	X.1	5-1 to 5-12
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. For the sedimentation deposition rates, flow models and sediment dispersion models should be provided which outline the rate and location of sediment deposition where relevant. Provide linkage of this baseline information with the hydrology baseline information (Subsection 8.1.6.1).	6	5	5.1	5-1 to 5-12
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.8.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its shipping activities where applicable, on sediment quality. This analysis should include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential impacts on sediment quality in surrounding lakes and rivers from surface runoff and traffic on Project roads and dust from road traffic and other project sources,	6	5	5.5.2.1, 5.5.2.2, 5.5.2.3, 5.5.2.4, 5.5.2.6, 5.5.2.8, 5.5.3.1, 5.5.3.2, 5.5.3.3, 5.5.3.4, 5.5.3.6, 5.5.4.1, 5.5.4.2, 5.5.4.3, 5.5.5	5-23 to 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A discussion of fluvial processes and stability as related to proposed water crossings,	6	5	5.5.2.1, 5.5.3.1, 5.5.4.1, 5.5.5	5-23, 5-26 to 5-28, 5-31 to 5-32, 5-35 to 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential sedimentation and infill rates of drainage areas that might be impacted by the Project,	6	5	5.1.5	5-7 to 5-11
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts on sediment quality of lakes and rivers from discharges of Project waste water treatment plants,	6	5	5.5	5-14 to 5-36
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts on sediment quality from ARD and ML resulting from waste rock stockpiles, ore stockpiles, open pit dewatering, construction fills, embankment of roads, and open quarry sites,	6	5	5.5.2.1, 5.5.2.2, 5.5.2.3, 5.5.2.4, 5.5.3.1, 5.5.3.2, 5.5.3.3, 5.5.3.4, 5.5.4.1, 5.5.4.2, 5.5.4.3, 5.5.5	5-23 to 5-24, 5-26 to 5-29, 5-31 to 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impacts of erosion associated with the all-weather road on sediment quality as a result of vegetation removal, cuts/fills and other surface disturbances,	6	6	5.5.2.1, 5.5.2.3, 5.5.3.1, 5.5.3.3, 5.5.4.1, 5.5.4.3, 5.5.5	5-23, 5-24, 5-26, 5-28, 5-31 to 5-32, 5-33 to 5-35, 5-35
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Potential impacts on sediment quality of nearby lakes and streams as a result of nutrient input from blasting activities,	6	5	5.5.2.5, 5.5.3.5	5-24, 5-29 to 5-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential impacts on sediment from runoff at fuel storage facilities, with consideration for possible fuel spills and malfunctions,	6 9	5 3	5.5.2.6, 5.5.3.6 3.3	5-24, 5-30 to 5-31 3-6 to 3-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential impacts on sediment quality from the deposition of particulate matter resulting from the incomplete combustion of wastes from incineration,	6	5	5.5.2.6, 5.5.2.8	5-24, 5-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Potential impacts to sediment quality in relation to other site waste management activities, including: the storage, handling, waste deposition in landfills, landfarming of contaminated soil or runoff, the management of historical contaminated material (e.g. previous spills, mishaps, releases), as well as sewage effluent discharges, and	6	5	5.5.2.2, 5.5.3.2, 5.5.4.2, 5.5.5	5-23, 5-28, 5-32 to 5-33, 5-35 to 5-37

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Potential impacts on sediment quality from construction and operation of camps.	6	5	5.5.2.1, 5.5.2.2, 5.5.2.7, 5.5.2.8, 5.5.3.1, 5.5.3.2, 5.5.3.7, 5.5.4.1, 5.5.4.2, 5.5.5	5-23 to 5-28, 5-31 to 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	*8.1.9 Freshwater Aquatic Environment*	For the purpose of the current Guidelines, freshwater aquatic environment includes aquatic ecology, aquatic biota (including representative fish as defined in the *Fisheries Act* , benthic invertebrates, and other aquatic organisms) and habitat including fish habitat as defined in the *Fisheries Act:*	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.9.1 Baseline Information	i. A description of the limnology, freshwater biota, presence of fish and other freshwater species, associated habitats and habitat distribution in the RSA and the LSA with emphasis on species that perform particularly significant ecological functions. This description should be based on the results of baseline information collected from studies, available published information and/or information resulting from community consultations,	6	6, 7	6.1.6, 6.1.7, 6.2.1, 7.1.6,7.1.7, 7.2.1	6-22 to 6-34, 6-35 to 6-41 7-15 to 7-24, 7-25 to7-31
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of the biological composition of freshwater aquatic environments in the LSA, including: trophic state, periphyton, phytoplankton, zooplankton, benthic invertebrates, fish, and the interactions and relative significance of each trophic level identified in the food chain,	6	6, 7	6.1.6, 6.1.7, 7.1.6, 7.1.7	6-22 to 6-34, 7-15 to 7-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Description and population distribution of fish species in the LSA with a focus on arctic char, lake trout, and arctic grayling, and other species identified as contributing to an Aboriginal, recreational or commercial fishery, as well as key forage fish for these species, and including baseline information on the abundance and distribution of these species,	6	7	7.1.1, 7.1.6, 7.1.7, 7.2.1	7-1 to 7-4, 7-15 to 7-24, 7-25 to 7-31
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Characterization of habitat requirements for each fish species, including areas used for spawning, rearing, feeding and over-wintering, and any sensitive times for these activities,	6	6, 7	6.1.1, 6.1.6, 6.1.7, 7.1.1	6-1, 6-22 to 6-34, 7-1 to 7-4
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Description of existing freshwater habitat in waterbodies and watercourses within the LSA including littoral zones, aquatic and riparian vegetation, lake bottom characteristics, key habitat areas (such as fish overwintering areas, spawning, migration corridors etc.) the estimated productive capacity, etc.,	6	3, 6	3.1, 6.1.6, 6.1.7	3-1 to 3-14, 6-22 to 6-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. An overview of fish species, populations, distributions and ecologies in the RSA, with emphasis on identified fish VECs and species with special designations (Species at Risk listed on Schedule 1 of the federal SARA and species with designations by the COSEWIC) or any populations of any rare or regionally unique fish species and habitats within both the LSA or RSA. This description should include reference to species having significant ecological functions, and/or importance for Inuit life and culture,	6	7	7.1, 7.2	7-1 to 7-32
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. The health of fish VEC indicator species populations and their contaminant loadings, and	6 8	7 5, 6	7.1.6, 7.1.7, 7.1.8 Appendix V8-5A, 6.1.4,6.4.1.11	7-15 to 7-25 All, 6-5 to 6-6, 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. A discussion of any other issues relating to freshwater aquatic species or habitat identified through public consultation.	3 6	1 6, 7	1.6.1, 1.6.3, 1.6.3.3 6.5.3, 6.8, 6.9, 7.5.3, 7.8, 7.9	1-36 to 1-37, 1-39 to 1-40, 1-41 to 1-42, 1-46 to 1-47 6-61 to 6-70, 6-71 to 6-74, 7-46 to 7-56, 7-57 to 7-61
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	*8.1.9.2 Impact Assessment*	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its shipping activities, on the freshwater aquatic environment. This analysis should include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential impacts to fish, invertebrates, and freshwater habitat including potential impacts to water and sediment quality. Consideration should be given to impacts associated with the following: water withdrawals, discharge, redirection of natural flows, explosives use, nutrient and contaminant inputs, and sewage and grey water effluent discharge,	6	1, 4, 5, 6, 7	1.5, 4.5, 5.5, 6.5, 7.5	1-41 to 1-55, 4-26 to 4-57, 5-14 to 5-36, 6-44 to 6-70, 7-34 to 7-56
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential direct or indirect effects on fish and invertebrate biota and habitat of both, including aquatic Species at Risk, from any changes to the aquatic or riparian environments, as a result of any in-water works or Project activities in close proximity to waterbodies,	6	1, 4, 5, 6, 7	1.5, 4.5, 5.5, 6.5, 7.5	1-41 to 1-55, 4-26 to 4-57, 5-14 to 5-36, 6-44 to 6-70, 7-34 to 7-56
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential impacts to fish due to blasting in or near waterbodies, including noise and vibration impacts,	6	7	7.5.2.3, 7.5.3.3, 7.5.4, 7.5.5, 7.10	7-45, 7-54, 7-56, 7-56, 7-61
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts to fish and fish habitat from any infilling of lake, wetland or stream habitats associated with road construction(s),	6	6	6.5.2.1, 6.5.3.1, 6.5.4, 6.5.5, 6.6.2, 6.7, 6.10	6-48 to 6-59, 6-61 to 6-63, 6-70, 6-70, 6-70, 6-74
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts to freshwater fish, invertebrates and habitat from planned containment structures (e.g., sediment control structures and fuel containment structures) and potential accidental spills,	6 9	6 3	6.5.2.3, 6.5.3.3 3.3	6-59 to 6-60, 6-69 3-6 to 3-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impacts on identified fish habitat critical for spawning, rearing, nursery and feeding, seasonal migration, winter refuges and migration corridors,	6	6, 7	6.5.2.1, 6.5.2.2, 6.5.3.1, 6.5.3.2, 6.5.4, 6.5.5, 6.6.2, 6.7, 6.10, 7.5.2.1, 7.5.2.2, 7.5.3.1, 7.5.3.2, 7.5.4, 7.5.5, 7.6.2, 7.7, 7.10	6-48 to 6-59, 6-61 to 6-69, 6-70, 6-70, 6-74, 7-38 to 7-45, 7-56, 7-57, 7-61
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. An evaluation of the ability of fish to pass at water crossings along access roads taking into consideration periods of extreme low and extreme high stream flows,	6	6	6.5.2.1, 6.5.3.1, 6.5.4, 6.5.5, 6.6.2, 6.7, 6.10	6-48 to 6-59, 6-61 to 6-63, 6-70, 6-70, 6-70, 6-74

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential impacts to fish health, distributions and populations especially taking in to consideration contamination and fugitive dust and potential impact to human health due to consumption of these fish,	6 8	7 5, 6	7.5.2, 7.5.3, 7.5.4, 7.5.5, 7.6.2, 7.7, 7.10 5.5.2.2, 5.5.4, 6.4.2.9.4	7-37 to 7-56, 7-56, 7-57, 7-61 5-29 to 5-30, 5-36 to 5-60, 6-132 to 6-163
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential impacts on contamination of traditional foods as a result of bioaccumulation, i.e. food chain uptake through air, water and soil, including a discussion of proposed monitoring,	6 8	7 5, 6	7.10 5.5, 5.8, 5.9, 6.4.1, 6.4.2, 6.4.4	7-61 5-23 to 5-61, 6-18 to 6-165, 6-177
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Discussion of the management measures for minimizing/mitigation of disturbances to fish populations, including measures to reduce the potential for establishment of invasive species in the area,	6	6, 7	6.5.3, 6.8, 7.5.3, 7.8	6-61 to 6-70, 6-71 to 6-74, 7-46 to 7-56, 7-57 to 7-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Environmental receptivity-including ecological, physical and/or climatic factors that influence exposure to harmful substances, and	6	4	4.5, 4.6	4-26 to 4-59
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xii. Quantitative assessment of the ecological risks to freshwater VECs from the potential elevated contaminant loadings as a result of the Project.	8	5, 6	5.5.4.2.2, 6.4.1.3.2, 6.4.1.4.1, 6.4.1.7.1, 6.4.1.7.2, 6.4.1.7.3, 6.4.1.7.4, 6.4.1.8, 6.4.1.9, 6.4.2.8, 6.4.2.9, 6.4.2.12	5-39 to 5-60, 6-21, 6-26, 6-36 to 6-73, 6-124 to 6-132, 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	*8.1.10 Vegetation*		-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.10.1 Baseline Information	i. A description of ecological zones, and other relevant classifications of plant associations and phenologies in the LSA,	5	4	4.1	4-1 to 4-18
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of the vegetation/plant types in the LSA, including estimated percentage cover and height for principal species, with a discussion on their particular significant ecological functions and/or their importance to wildlife and humans,	5	4	4.1	4-1 to 4-18
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. An overview of vegetation species, populations, distributions and ecologies in the RSA, with emphasis on identified vegetation VECs and species with special designations (Species at Risk listed on Schedule 1 of the federal SARA and species with designations by the COSEWIC). This description should include reference to species having significant ecological functions, and/or importance for Inuit life and culture including TK collected related to plants and plant use in the RSA,	5 8	4, 5 5	4.1, Appendix V5-4A, Appendix V5-5A 5.1.1, 5.5.2.3, 5.5.4.3	4-1 to 4-18, All, All 5-2 to 5-4, 5-30, 5-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Details regarding associations between vegetation cover types and soil types in the LSA,	5 8	4, 5 5	4.1, 4.2, 4.3, Appendix V5-4A, Appendix V5-5A 5.1.1, 5.5.2.3, 5.5.4.3	4-1 to 4-26, All, All 5-2 to 5-4, 5-30, 5-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. A presentation of available published information and/or information resulting from TK studies regarding identified VECs,	5	4	4.1, Appendix V5-4A	4-1 to 4-18, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. A discussion of the health status of plant species or communities in the LSA, including baseline information on contaminant levels (including metals) in representative species consumed by wildlife and/or humans, either directly (humans eating plants) or indirectly (humans consuming wildlife), and other vegetation that reflects sensitivity to contaminants or environmental pathways of exposure and biomagnification, and	5	4	4.1, 4.2	4-1 to 4-19
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Any other issues related to vegetation as identified through public consultation.	3 5 8	1 4 5, 6	1.6.1, 1.6.3, 1.6.3.3 4.1 5.1, Appendix V8-5A, 6.1, 6.4.1, 6.4.2	1-36 to 1-37, 1-39 to 1-40, 1-41 to 1-42, 1-46 to 1-47 4-1 to 4-18 5-1 to 5-15, All, 6-1 to 6-13, 6-18 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	*8.1.10.2 Impact Assessment*	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its ground and marine based transportation activities, on vegetation. This analysis should include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential impacts to abundance and diversity of vegetation due to Project activities,	5	4	4.5	4-26 to 4-55
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential impacts to specific vegetation coverage and species composition from construction, operation, and reclamation activities in the Project area,	5	4	4.5	4-26 to 4-55
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. An assessment of the potential loss, disturbance, and/or changes to vegetation abundance, diversity, and forage quality as a result of Project components and activities, including potential effects from airborne fugitive dust fall, airborne contaminants from emission sources, and changes to water quality and quantity, permafrost, or snow accumulation,	4 8	5 6	4.5 6.1, 6.4.1	4-26 to 4-55 6-2 to 6-13, 6-18 to 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts on vegetation abundance and diversity from the transfer/introduction of invasive or exotic species into the LSA via Project equipment and vehicles, including aircraft and marine vessels,	5	4	4.5.2.2	4-29 to 4-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts on vegetation quality due to soil erosion, structural soil changes, soil contamination, and fugitive dust and gaseous air emissions from mining, milling and waste management activities,	4 8	5 6	4.5.2.2 6.1, 6.4.1	4-29 to 4-31 6-2 to 6-13, 6-18 to 6-95

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Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. A discussion of proposed vegetation monitoring, specifically contaminant levels in species directly consumed by wildlife (e.g. lichen) and/or humans (e.g. Labrador tea, blueberries) and/or indirectly consumed through food consumption (i.e. caribou),	5 8	4 6	4.5.2.2., 4.5.4.2 6.4.2	4-29 to 4-31, 4-50 6-95 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. A discussion of the management measures for minimizing/mitigation of disturbances to plant associations, including progressive reclamation/re-vegetation plans for disturbed areas, and measures to reduce the potential for establishment of invasive species in the area,	2 5	8 4	8 4.5.3, 4.8	All 4-30 to 4-32, 4-62 to 4-63
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential impacts on contamination of traditional foods as a result of bioaccumulation, i.e. food chain uptake through air, water and soil,	8	5, 6	5.1, Appendix V8-5A, 6.1, 6.4.1, 6.4.2	5-1 to 5-15, All, 6-1 to 6-13, 6-18 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential impact from the loss or alteration of habitat (i.e. vegetation) due to pollutants and noise and its effects on wildlife, wildlife calving grounds and marine habitat, and	5 7	4, 5, 6, 7, 8, 9, 10 6, 7	4.5.2.1, 4.5.2.2, 4.5.3, 5.5.2.1, 5.5.2.2, 6.5.2.1, 6.5.2.2, 7.5.2.1, 7.5.2.2, 8.5.2.1, 8.5.2.2, 9.5.2.1, 9.5.2.2, 10.5.2.1, 10.5.2.2 6.5.2.1, 6.5.2.2, 7.5.2.1, 7.5.2.2	4-28 to 4-32. 5-136 to 5-162, 6-43 to 6-55, 7-25 to 7-40, 8-40 to 8-58, 9-36 to 9-47, 10-27 to 10-41 6-26 to 6-33, 7-20 to 7-28
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. A discussion of the potential of invasive vegetative species (weedy species) from shipping along the shore line and from transportation along the all-weather road.	5	4	4.5.2.2	4-29 to 4-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.11 Terrestrial Wildlife and Wildlife Habitat	For the purpose of the current Guidelines, terrestrial wildlife and wildlife habitat includes representative terrestrial mammals including: caribou (including habitat, migration, and behaviour), muskoxen, wolverine, polar bears, brown bears (including brown and grizzly bears), wolves and less conspicuous species that may be maximally exposed to contaminants, and wildlife migration routes and crossings.	5	5, 6, 7, 8	All, Appendices V5-5A, V5-5B, V5-5C, V5-5D, V5-5E, V5-6A	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.11.1 Baseline Information	i. A description of wildlife populations, distributions and ecologies in the RSA, with emphasis on identified wildlife VECs and species with special designations (Species at Risk listed on Schedule 1 of the federal SARA and species with designations by the COSEWIC). This description should include reference to species having significant ecological functions, and/or of importance for Inuit life and culture,	5	5, 6, 7, 8	5.1, 5.2, 6.1, 6.2, 7.1, 7.2, 8.1, 8.2	5-1 to 5-125, 6-1 to 6-33, 7-1 to 7-16, 8-1 to 8-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. A description of biodiversity within the RSA, and associated food chain relationships among terrestrial wildlife species,	5	5, 6, 7, 8	5.1.2.4, 5.1.3.4, 6.1.4, 7.1.4, 8.1.4	5-19 to 5-21, 5-91 to 5-92, 6-4 to 6-9, 7-3, 8-6 to 8-8
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Presentation of available published information and/or information resulting from TK studies regarding identified VECs, including: the relative seasonal and annual trends in abundance and distributions, the estimated productive capacity, migratory patterns and associated corridors/routes, critical habitats on or in LSA and RSA, and sensitive periods,	5	5, 6, 7, 8	5.1, 6.1, 7.1, 8.1	5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. A description of the population health of identified VECs, with a discussion of contaminant loadings in representative species important to Inuit as a food source, such as caribou,	5 7 8	5, 6, 7, 8, 9, 10 6, 7 5, 6	5.1.2.3, 5.1.3.3, 6.1.2, 7.1.2, 8.1.2, 9.1.2, 10.1.2 6.1.2, 7.1.2 5.1.1, 5.1.2, 5.1.3, Appendix V8-5A, 6.1, 6.4.1, 6.4.2, 6.4.4	5-17, 5-59, 6-1 to 6-3, 7-1 to 7-2, 8-1 to 8-3, 9-1 to 9-2, 10-1 to 10-2 6-1 to 6-2, 7-1 to 7-2 5.2 to 5.6, All, 6-2 to 6-13, 6-18 to 6-95, 6-95 to 6-165, 6-177 to 6-178
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Details regarding habitats within the LSA which are important for forage, shelter and reproduction of wildlife VECs, including terrestrial and aquatic habitats (e.g. sea ice, freshwater and marine waters),	5	5, 6, 7, 8	5.1.2.4, 5.1.3.4, Appendix V5-5A, 6.1.4, 7.1.4, 8.1.4	5-19 to 5-21, 5-91 to 5-92, All, All, All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Identification of key wildlife habitats in the LSA and RSA as applicable, including: National Parks, Critical Wildlife Areas, Territorial Parks and other areas with legislated protection, eskers, caribou calving and nursing areas, denning sites, staging areas, and special locations as salt licks, insect relief habitats, and areas used by females and their young. Related discussion should also include migration routes, water course crossings, travel corridors and areas important for Inuit harvesting,	5	5 , 6 ,7, 8	5.1, 6.1.3 to 6.1.5, 7.1.3 to 7.1.5, 8.1.3 to 8.1.5	5-1 to 5-122, 6-3 to 6-22, 7-2 to 7-14, 8-5 to 8-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Identification of habitats of any rare or sensitive species, such as Species at Risk, or those with similar designations or federal and territorial status,	5	5, 6, 7, 8	5.1.2.4, 5.1.2.5, 5.1.3.4, 5.1.3.5, 5.1.4.4, 6.1.4, 6.1,5, 7.1.4, 7.1.5, 8.1.4, 8.1.5	5-19 to 5-82, 5-91 to 5-109, 5-121 to 5-122, 6-4 to 6-22, 7-3 to 7-14, 8-6 to 8-15
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. A description of the migratory patterns and routes of terrestrial wildlife VECs and the corresponding periods when these routes would be affected by the Project,	5	5, 6, 7, 8	5.1.2.2, 5.1.3.2, 5.1.4.2, 6.1.3, 7.1.3, 8.1.3	5-3 to 5-15, 5-82 to 5-91, 5-110 to 5-116 6-3 to 6-4, 7-2 to 7-3, 8-5 to 8-6
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Discussion of the relative health of VEC populations, including contaminant loading in representative wildlife VEC species (i.e. caribou),	8	5, 6	Appendix V8-5A, 6.1, 6.4.1, 6.4.2, 6.4.4	All, 6-2 to 6-13, 6-18 to 6-95, 6-95 to 6-165, 6-177 to 6-178
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. A description of the distribution and population levels of caribou in the RSA and LSA. Consideration should be given to the cyclic nature of caribou as well as the shifts in annual caribou ranges over time, with baseline information collection covering appropriate temporal and spatial scales for an accurate understanding of current population health,	5	5	5.1.2, 5.1.3, 5.1.4	5-3 to 5-122
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Details regarding available information on potential impacts to wildlife associated with noise, vibrations, and dust and dust deposition from relevant scientific research and TK, and	3 5	1, 3 5, 6, 7, 8	1.6.3.3, Appendices V3-1C, V3-1G, V3-3B, V3-3C 5.5.2.1, 5.5.2.2, 6.5.2.1, 6.5.2.2, 7.5.2.1, 7.5.2.2, 8.5.2.1, 8.5.2.2	1-46 to 1-47, All 5-136 to 5-162, 6-43 to 6-55, 7-25 to 7-40, 8-40 to 8-58

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xii. Discussion of other pertinent issues as identified through public consultation.	3 5	1 5	1.6 5.5.3, 5.8, 5.9	1-36 to 1-48 5-187 to 5-191, 5-242 to 5-249
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.11.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its shipping activities, on terrestrial wildlife and wildlife habitat. This analysis should include the following:	5	5, 6, 7, 8	5.5, 6.5, 7.5, 8.5	5-131 to 5-197, 6-37 to 6-69, 7-18 to 7-50, 8-32 to 8-70
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential general impacts on terrestrial wildlife in the LSA, including: interference with migratory routes, alienation from important habitat (e.g. denning sites, calving and post- calving areas), habitat fragmentation and general disturbance or disruption caused by Project activities,	5	5, 6, 7, 8	5.5.2.2, 5.5.2.3, 6.5.2.2, 6.5.2.3, 7.5.2.2, 7.5.2.3, 8.5.2.2, 8.5.2.3	5-148 to 5-166, 6-47 to 6-56, 7-30 to 7-41, 8-43 to 8-59
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential impacts on population size, abundance, distribution and behaviour of wildlife VECs from:	5 8	5, 6, 7, 8 6	5.5, 6.5, 7.5, 8.5 6.4.1.8, 6.4.1.9, 6.4.1.10, 6.4.1.11	5-131 to 5-197, 6-37 to 6-69, 7-18 to 7-50, 8-32 to 8-70 6-58 to 6-94
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Direct and indirect loss of habitat from the presence of and use of infrastructure, the conduct of project activities and associated sensory disturbances,	5	5, 6, 7, 8	5.5.2.1, 5.5.2.2, 6.5.2.1, 6.5.2.2, 7.5.2.1, 7.5.2.2, 8.5.2.1, 8.5.2.2	5-136 to 5-162, 6-43 to 6-55, 7-25 to 7-40, 8-40 to 8-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Direct and indirect impacts from potential degraded water quality and ground contamination, as well as airborne contaminants resulting from project facilities and associated activities,	5 8	5, 6, 7, 8 6	5.5.2.7, 6.5.2.7, 7.5.2.7,8.5.2.7 6.4.1.8, 6.4.1.9, 6.4.1.10, 6.4.1.11	5-170, 6-58 to 6-59, 7-42, 8-60 to 8-61 6-58 to 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Direct and indirect impacts from potential ice-breaking (prior to spring break-up or following fall freeze-up) associated with shipping activities, and ice management at the port/dock facility,	2 10	6 15	6.3.3 4.1.1, 4.3.1,	6-4 to 6-5 7, 7 to 8
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Direct and indirect impacts from climate change, and	4 5	3 5, 6,7, 8	4.1.1, 4.3.1,	3-34 to 3-37 5-170 to 5-187, 6-66 to 6-67, 7-47 to 7-48, 8-91 to 8-92
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Where relevant, the Proponent shall take into account the alteration of normal behaviour or patterns and provide any associated outcomes for overall energy balance for the relevant VEC,	5	5, 6, 7, 8	5.5.2.8, 6.5.2.8, 7.5.2.8, 8.5.2.8	5-170 to 5-187, 6-59 to 6-61, 7-42 to 7-43, 8-61 to 8-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential impacts on wildlife from ground traffic and air traffic disturbance, particularly low level flights (i.e. lower than 610 metres) during critical periods (caribou calving and post-calving). For this impact assessment, a delineated flight impact zone could be useful in determining the potential impact of flights on wildlife, with a particular focus on critical life cycle periods and planned air traffic volume and routes,	5	5, 6, 7, 8	5.5.2.2, 6.5.2.2, 7.5.2.2, 8.5.2.2	5-148 to 5-162, 6-47 to 6-55, 7-30 to 7-40, 8-43 to 8-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts on wildlife from injury or mortality caused by Project activities, particularly the use of the all-weather road, mine hauling roads and other access roads, as well as intentional killing of wildlife to defend human life or property by mine personnel,	5	5, 6, 7, 8	5.5.2.4, 5.5.2.5, 5.5.2.6, 6.5.2.4, 6.5.2.5, 6.5.2.6, 7.5.2.4, 7.5.2.5, 7.5.2.6, 8.5.2.4, 8.5.2.5, 8.5.2.6	5-166 to 5-170, 6-56 to 6-58, 7-41 to 7-42, 8-59 to 8-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts on wildlife from increased hunting pressure resulting from improved access due to Project infrastructure,	5 8	5, 6, 7, 8 4	5.5.2.5, 6.5.2.5, 7.5.2.5, 8.5.2.5 4.7.2.1	5-168 to 5-169, 6-56, 7-41 to 7-42, 8-59 to 8-60 4-80 to 4-81
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impacts of noise and vibration on wildlife from drilling, blasting and other activities as results of Project construction and operation,	5	5, 6, 7, 8	5.5.2.2, 6.5.2.2, 7.5.2.2, 8.5.2.2	5-148 to 5-162, 6-47 to 6-55, 7-30 to 7-40, 8-43 to 8-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Assessment of the potential for Project activities to act as an attractant to wildlife species, and associated effect/changes to behaviour and condition,	5	5, 6, 7, 8	5.5.2.6, 6.5.2.6, 7.5.2.6, 8.5.2.6	5-169 to 5-170, 6-56 to 6-58, 7-42, 8-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Evaluation of the potential for contaminants to be released into the environment as a result of the Project and to be taken up by VEC species,	5 8	5, 6, 7, 8 6	5.5.2.7, 6.5.2.7, 7.5.2.7, 8.5.2.7 6.4.1.7	5-170, 6-58 to 6-59, 7-42, 8-60 to 8-61 6-36 to 6-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential impacts of contamination to sources of traditional food (including those trapped, fished, hunted, harvested or grown for subsistence or medicinal purposes) as a result of bioaccumulation (i.e. food chain uptake through air, water and soil) as well as any proposed monitoring methods to track these potential impacts,	5 8	5, 6, 7, 8 5 6	5.5.2.7, 6.5.2.7, 7.5.2.7, 8.5.2.7 5.5.2, 5.5.4, 5.8 6.4.1, 6.4.2	5-170, 6-58 to 6-59, 7-42, 8-60 to 8-61 5-25 to 5-30, 5-36 to 5-61, 5-61 6-18 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. List of all potential contaminants and a determination of whether possible uptake of these contaminants into country foods will result from project activities.	8	6	6.4.1.7, 6.4.1.9, 6.4.2.7, 6.4.2.9	6-36 to 6-58, 6-73 to 6-94, 6-104 to 6-124, 6-132 to 6-163
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Potential impacts from the loss or alteration of habitat (i.e. vegetation) due to pollutants and noise and any ancillary effects, and	5	4, 5, 6, 7, 8	4.5.2, 5.5.2.1, 5.5.2.2, 6.5.2.1, 6.5.2.2, 7.5.2.1, 7.5.2.2, 8.5.2.1, 8.5.2.2	4-28 to 4-30, 5-136 to 5-162, 6-43 to 6-55, 7-25 to 7-40, 8-40 to 8-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xii. Evaluation of the relative health and potential for chemical toxicity for inherently sensitive wildlife species based on an analysis of exposure pathways and demographic parameters.	5 8	5, 6, 7, 8 6	5.5.2.7, 6.5.2.7, 7.5.2.7, 8.5.2.7 6.4.1.7, 6.4.1.10, 6.4.1.11, 6.4.2.7, 6.4.2.12	5-170, 6-58 to 6-59, 7-42, 8-60 to 8-61 6-36 to 6-58, 6-94 to 6-95, 6-104 to 6-124, 6-125
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.12 Birds and Bird Habitat	For the purpose of the current Guidelines, discussion relating to birds shall include raptors, migratory birds, marine birds and the associated habitat of each.	5 7	9, 10 6	All	All

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.12.1 Baseline Information	i. An overview of bird species, populations, distributions and ecologies in the RSA, with emphasis on identified bird VECs and species with special designations (Species at Risk listed on Schedule 1 of the federal SARA and species with designations by the COSEWIC). This description should include reference to species having significant ecological functions, and/or importance for Inuit life and culture,	5 7	9, 10 6	9.1, 10.1 6.1	9-1 to 9-25, 10-1 to 10-15 6-1 to 6-15
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Description of current habitat use by VECs, including the use of Migratory Bird Sanctuaries, Key Migratory Bird Sites, Territorial Parks and other important habitats (e.g. breeding, nesting sites, staging areas) in the RSA and along the proposed shipping routes,	5 7	9, 10 6	9.1,10.1 6.1, 6.11	9-1 to 9-25,10-1 to 10-15 6-1 to 6-15, 6-55 to 6-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Description of the relative seasonal/annual abundances, distributions and trends in range or habitat use, movements and population status of bird VECs, including but not limited to population abundance, reproductive success, mortality rates, density, diversity, etc.,	5 7	9,10 6	9.1,10.1 6.1, 6.11	9-1 to 9-25, 10-1 to 10-15 6-1 to 6-15, 6-55 to 6-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Description of migratory patterns and routes of VECs potentially impacted by the Project, with a discussion of corresponding sensitive periods, and	5 7	9,10 6	9.1.4, 9.1.5,10.1.4, 10.1.5 6.1.4, 6.1.5, 6.11	9-4 to 9-25,10-3- to 10-15 6-1 to 6-15, 6-55 to 6-62
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Identification of key migratory bird sites along the shipping route, including those which could potentially be affected by marine spills as a result of current and/or wind patterns.	7 9	6 3	6.1, 6.11 Appendix V9-3A	6-1 to 6-13, 6-51 to 6-57 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.12.2 Impact Assessment	The Proponent is required to present a comprehensive impact analysis for all Project components and activities, including its shipping activities, on birds. This analysis should include the following:	5 7	9, 10 6	9.5, 10.5 6.5	9-30 to 9-55, 10-22 to 10-51 6-30 to 6-39
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Description of the potential loss, alteration or isolation of habitat (e.g. staging and nesting habitats) as a result of the Project development. Special consideration should be given to Species at Risk listed on Schedule 1 of the federal SARA, species with designations by the COSEWIC, species having significant ecological functions or importance for Inuit life and culture,	5 7	9, 10 6	9.5.2, 10.5.2 6.5.2	9-35 to 9-51, 10-25 to 10-46 6-25 to 6-36
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential disruption or alteration of migration routes due to Project phases or activities,	5	9, 10	9.5.2.3, 10.5.2.3	9-47, 10-41
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Where relevant, the Proponent shall account for alteration of normal behaviour or patterns and provide any associated outcomes for overall energy balance for the relevant VEC,	5 7	9, 10 6	9.5.2.8,10.5.2.8 6.5.2	9-51, 10-45 to 10-46 6-25 to 6-36
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts on birds and bird habitat use from air contamination, vegetation contamination, ground contaminants or degraded water quality,	5 7 8	9, 10 6 6	9.5.2.7,10.5.2.7 6.5.2.5 6.4.1.7, 6.4.1.11	9-51,10-45 6-34 to 6-36 6-36 to 6-58, 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential disturbances to birds from noise and vibrations as a result of blasting, and land and marine transportation,	5 7	9, 10 6	9.5.2.2,10.5.2.2 6.5.2.2	9-40 to 9-47, 10-29 to 10-41 6-27 to 6-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impact from pre-determined Flight Impact Zones, and potential for collision with aircraft,	5 7	9, 10 6	9.5.2.2, 9.5.2.4, 10.5.2.2, 10.5.2.4 6.5.2.2, 6.5.2.3	9-40 to 9-47, 10-29 to 10-43 6-27 to 6-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Potential for Project facilities to attract wildlife such as polar bear, brown and grizzly bear, wolverine, foxes, ravens and gulls that may prey upon migratory birds and resulting impacts on the migratory bird populations,	5	9, 10	9.5.2.5, 10.5.2.5	9-49 to 9-50, 10-43
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential attraction of birds and other scavengers/predators by domestic waste at camp sites,	5	9, 10	9.5.2.6, 10.5.2.6	9-50 to 9-51, 10-43 to 10-45
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential attraction of birds to Project facilities and infrastructure for roosting and nesting sites,	5	9, 10	9.5.2.6,10.5.2.6	9-50 to 9-51, 10-43 to 10-45
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Potential for bird mortality due to collisions with tall structures, overhead wires or guy wires,	5	9, 10	9.5.2.4, 10.5.2.4	9-47 to 9-49, 10-41 to 10-43
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xi. Potential effects of shipping on coastal and marine birds and habitat, as well as potential disturbance on key migratory bird habitat areas and sanctuaries in proximity to shipping routes in the NSA,	7	6	6.5.2.2, 6.11	6-27 to 6-33, 6-55 o 6-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xii. Incidental spills, malfunctions and other accidents associated with shipping operations and potential impacts to marine birds,	9	3	3.3, Appendix V9-3A	3-6 to 3-20, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xiii. Potential interactions, accidental injuries and mortality of marine birds directly or indirectly from proposed shipping (open water and potential ice breaking during break-up in the spring and freeze-up in the fall) activities, in particular those marine birds which congregate in areas where the shipping routes would pass through,	7	6	6.5.2.2, 6.5.2.3, 6.5.2.4, 6.5.2.5	6-27 to 6-36
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xiv. Potential direct and indirect effects on marine bird behaviour, distribution, abundance, migration patterns, species health and reproduction from marine shipping,	7	6	6.5.2.2, 6.5.2.3, 6.5.2.4, 6.5.2.5	6-27 to 6-36

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xv. Evaluation of the potential for contaminants to be released to the environment from marine shipping and taken up by marine bird VECs as a result of the Project,	7 8	2, 6 6	2.5.2, 6.5.2.5 6.4.1.7, 6.4.1.8, 6.4.1.9, 6.4.1.10	2-20 to 2-26, 6-34 to 6-36 6-36 to 6-94
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xvi. Assessment of potential cumulative effects on marine bird VECs resulting from escalated marine traffic in the RSA over the mining lifecycle, including the potentially extended minimum operation period. Consideration should be given to the possible significant increase of marine vessel traffic along shipping routes,	7	6	6.6.2.1	6-41 to 6-42
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xvii. Potential impacts of contaminant bioaccumulation via food chain uptake through air, water and soil, including specific impacts to traditional food sources including potential monitoring methods to track the progress of this potential impact, and	5 7 8	9, 10 6 5, 6	9.5.2.7, 10.5.2.7 6.5.2.5 5.5.2.2.3, 5.5.4.2.4, 5.5.4.2.5, 5.5.4.3, 5.8, 6.4.1.7.1 to 6.4.1.7.4, 6.4.1.8.6, 6.4.1.9.5, 6.4.1.11, 6.4.2.7.1 to 6.4.2.7.4, 6.4.2.8.5, 6.4.2.9.4, 6.4.2.11	9-51, 10-45 6-34 5-25 to 5-29, 5-34 to 5-35, 6-36 to 6-58, 6-58 to 6-73, 6-73 to 6-95, 6-95, 6-100 to 6-104, 6-124 to 6-132, 6-132 to 6-163, 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		xviii. Potential impacts from the loss or alteration of habitat (i.e. vegetation) due to pollutants and noise and its effects on bird and bird habitat.	5 7 8	4, 9, 10 6 6	4.3.2.1, 4.3.2.2, 4.5.2.2, 9.5.2.1, 9.5.2.2, 10.5.2.1, 10.5.2.2 6.5.2.1 6.4.1.7.1 to 6.4.1.7.4, 6.4.3.7, 6.4.3.10.1, 6.4.3.11.1	4-21 to 4-25, 4-29 to 4-30, 9-36 to 9-47, 10-27 to 10-41 6-26 to 6-27 6-36 to 6-58, 6-167, 6-172, 6-175 to 6-177
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.13 Marine Environment	For the purposes of the current Guidelines, the marine environment shall include marine ecology, marine water and sediment quality, and marine biota including fish, Species at Risk, and marine habitat.	7	All	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.13.1 Baseline Information	i. Description of marine physical processes and currents including the costal environment, biological diversity and composition, and associated interactions in the LSA and RSA, including the proposed shipping route(s) within the NSA,	7	1, 4, 5, 6, 7	All, 4.1, 5.1, 6.1, 6.11, 7.1, 7.11	All, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 6-55 to 6-60, 7-1 to 7-5, 7-42 to 7-49
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Data on seasonal ice cover including timing of ice freeze-up and break-up for the proposed shipping routes,	7	1	1.1.4, 1.1.5	1-10 to 1-27
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Presentation of available bathymetric information along the proposed shipping route(s),	7 9	1 3	1.1 (Figure 1.1-1) Appendix V9-3A	1-1 to 1-31 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Identification of sensitive habitat areas for marine fish, anadromous fish and marine mammals along the shipping route(s), and	7	4, 5, 7	4.1, 4.2, 5.1, 5.2, 7.1, 7.2, 7.11	4-1 to 4-37, 5-1 to 5-20,7-1 to 7-11, 7-42 to 7-49
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Presentation of TK collected related to coastal areas and ice conditions.	3 7	1, 3 1, 4, 5, 6, 7	Appendices V3-1C, V3-1G, V3-3A, V3-3B 1.2, 4.2, 5.2, 6.2, 7.2	All, All, All, All 1-31 to 1-32, 4-30 to 4-37, 5-11 to 5-20, 6-15 to 6-18, 7-9 to 7-11
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	*8.1.13.2 Impact Assessment*	The Proponent is required to present an impact analysis that gives consideration to the potential for Project shipping activities to impact the marine environment. This analysis shall include the following:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential risks and impacts to the marine ecosystem through the introduction of exotic species, including pathogens, through seasonal shipping,	7	5	5.5.2.2, 5.5.3.2, 5.5.4, 5.5.5, 5.6.2, 5.6.5, 5.7, 5.10	5-28 to 5-29, 5-30 to 5-31, 5-31 to 5-32, 5-32, 5-34, 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential impacts on marine water quality from accidental spills of fuel and chemicals along the shipping routes and from the accidental grounding/stranding of marine vessels along the shipping routes,	9	3	Appendix V9-3A	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential impacts on marine water quality and sediment quality from discharges of Project waste water treatment plants. A solute transport model based on numerical flow modelling should be used for water quality predictions and appropriate models selected, with rationale, to predict:	7	2, 3	2.5.2.6, 2.5.3.6, 3.5.2.6, 3.5.3.5	2-26, 2-33 to 2-34, 3-22, 3-26 to 3-27
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Water quality discharged to the environment, and	7	2	2.5	2-16 to 2-39
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		o Dispersion, dilution and assimilation of effluent discharged to the environment,	7 10	2 7	2.5 All	2-16 to 2-39 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. An assessment of the effects of Project activities (i.e. effluent discharge, accommodation barge, loading docks, etc.) on fish and fish habitat of Bathurst Inlet,	7	4, 5	4.5, 5.5	4-40 to 4-50, 5-22 to 5-32
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts of wake effects from shipping on the shoreline stability and sensitive fish or marine mammal habitat (i.e. coastal wetlands),	7	2, 3, 4, 5	2.5.2.1, 2.5.3.1, 2.5.4.1, 3.5.2.1, 3.5.3.1, 3.5.4.1, 4.5.2.2, 4.5.3.2, 4.5.4, 4.6.2, 4.7, 4.10, 5.5.2.2, 5.5.3.2, 5.5.4, 5.5.5, 5.6.2, 5.6.5, 5.7, 5.10	2-23, 2-27, 2-33, 3-20, 3-23, 3-27, 4-46, 4-49, 4-49, 4-50, 5-28 to 5-29, 5-30 to 5-31, 5-31 to 5-32, 5-34, 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential impacts on sedimentation patterns and subsequent impacts on subsea permafrost in the nearshore region,	7	3	3.5.4.2	3-28
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Potential impacts of sedimentation from propeller wash on water quality, fish and fish habitat and, benthic invertebrates,	7	2, 4, 5	2.5.2.1, 2.5.3.1, 2.5.4.1, 2.5.5 4.5.2.2, 4.5.3.2, 4.5.4, 4.6.2, 4.7, 4.10, 5.5.2.2, 5.5.3.2, 5.5.4, 5.5.5, 5.6.2, 5.6.5, 5.7, 5.10	2-23, 2-27 to 2-30, 2-33 to 2-36, 2-39, 4-46, 4-49, 4-49, 4-50, 4-52, 4-54, 5-28 to 5-29, 5-30 to 5-31, 5-31 to 5-32, 5-32, 5-34, 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Potential impacts of ballast water discharge on water quality, fish and fish habitat, benthic invertebrates including cumulative impacts over the life of the Project,	7	2, 5	2.5.2.1, 5.5.2.2, 5.5.3.2, 5.5.4, 5.5.5, 5.6.2, 5.6.5, 5.7, 5.10	2-23 to 2-24, 5-28 to 5-29, 5-30 to 5-31, 5-31 to 5-32, 5-32, 5-34, 5-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ix. Potential impact on marine environment and bio-accumulation in marine food chains, in particular on benthic organisms, from antifouling toxins (e.g. tributyltin) leaching from marine vessels, and	7	2, 3, 4, 5	2.5.2.1, 2.5.3.1, 3.5.2.1, 3.5.3.1, 4.5.2.1, 4.5.3.1, 5.3.2, 5.5.2, 5.10	2-23, 2-27 to 2-30, 3-20, 3-23, 4-44, 4-46, 5-21, 5-25 to 5-29, 5-37

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Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		x. Potential impacts of climate change and sea level change on Project elements.	9	2	2.10, 2.11, 2.12, 2.13, ,2.14, 2.15, 2.16	2-14 to 2-19
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	*8.1.14 Marine Wildlife*		-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.14.1 Baseline Information	i. A description of marine wildlife populations, distributions and ecologies in the RSA, with emphasis on identified marine wildlife VECs and species with special designations (Species at Risk listed on Schedule 1 of the federal SARA and species with designations by the COSEWIC). This description should include reference to species having significant ecological functions, and/or of importance for Inuit life and culture,	7	6, 7	6.1, 6.11, 7.1, 7.11	6-1 to 6-15, 6-55 to 6-62, 7-1 to 7-9, 7-42 to 7-48
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Characterization of marine wildlife habitat in the LSA, including habitat used by VECs for feeding, calving, nursing, over-wintering, and other critical activities, and	7	6, 7	6.1, 6.11, 7.1, 7.11	6-1 to 6-15, 6-55 to 6-62, 7-1 to 7-9, 7-42 to 7-48
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Identification of marine wildlife species, historical and current habitats, distribution, seasonal migration patterns, critical areas (i.e. feeding, calving, over wintering, etc.), and potential interactions with shipping activities.	7	6, 7	6.1, 6.11, 7.1, 7.11	6-1 to 6-15, 6-55 to 6-62, 7-1 to 7-9, 7-42 to 7-48
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT	8.1.14.2 Impact Assessment	The Proponent is required to present an impact analysis that gives consideration to the potential for Project shipping activities to impact the marine wildlife. The Proponent shall, where any impact to marine wildlife is identified, indicate the cultural or practical importance of that species to northerners. In addition, the analysis shall include the following:	7	6, 7	6.5.2, 7.5.2	6-25 to 6-36, 7-18 to 7-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		i. Potential loss to or deterioration in the habitat of marine wildlife VECs due to shipping route(s). Special consideration should be given to Species at Risk listed on Schedule 1 of the federal SARA, species with designations by the COSEWIC, species having significant ecological functions, and/or of importance for Inuit life and culture,	7	6, 7	6.5.2.1, 6.5.2.2, 7.5.2.1, 7.5.2.2	6-26 to 6-33, 7-20 to 7-28
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential direct and indirect impacts to marine wildlife, marine fish and marine habitat from marine shipping activities including increased noise levels,	7 10	6, 7 6, 15	6.5.2.2, 7.5.2.2 7.4 11	6-27 to 6-33, 7-22 to 7-28 22 to 23 19 to 20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential spills, malfunctions and other accidents associated with shipping operations and any resulting impacts to marine wildlife, marine habitat and marine fish,	9	3	3.3.1, 3.3.2, 3.3.3, 3.4.5, Appendix V9-3A	3-6 to 3-8, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		iv. Risk assessment of the potential introduction of non-native aquatic species due to ballast water discharge, ship wash and hull fouling,	7 8	5 6	5.5.2, 5.5.3.2, 5.5.4, 5.5.5, 5.6, 5.7, 5.10 6.4.1.10	5-25 to 5-29, 5-30, 5-31 to 5-32, 5-32 to 5-34, 5-37 6-94 to 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential interactions, accidental injuries and mortality of marine wildlife directly or indirectly from proposed shipping (open water and potential ice breaking during break-up in the spring and following freeze-up in the fall) activities, in particular those marine wildlife which congregate in areas where the shipping routes would pass through,	7	6, 7	6.5.2.3, 6.5.2.6, 7.5.2.2, 7.5.2.3, 7.5.2.6	6-33 to 6-34, 7-22 to 7-28, 7-33 to 7-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vi. Potential direct and indirect effects on marine wildlife behaviour, distribution, abundance, migration patterns, species health and reproduction from marine shipping activities,	7	6, 7	6.5.2, 7.5.2	6-25 to 6-36, 7-18 to 7-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		vii. Evaluation of the potential for contaminants to be released to the environment and taken up by VECs as a result of the Project, and	8	6	6.1, 6.4.1, 6.4.2	6-2 to 6-13, 6-18 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.1 BIOPHYSICAL ENVIRONMENT AND IMPACT ASSESSMENT		viii. Assessment of potential residual and cumulative effects on marine wildlife VECs resulting from escalated marine traffic in the RSA over the mining lifecycle (and including the potentially extended mine operation period). Consideration should be given to the possible significant increase of marine vessel traffic along shipping routes.	7	6, 7	6.6, 7.6	6-39 to 6-48, 7-36
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall present baseline information on the functioning and stability of the socio- economic environment in the RSA (see Section 7.3), with a corresponding impact assessment covering all Project phases of development (construction, operations, temporary closure, final closure, and post-closure).	8	3, 4	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall describe the components of the socio- economic environment and the processes affecting them as they exist without the Project. This will serve as a baseline against which the potential changes and impacts of the Project can be measured and will also justify the Proponent's selection of VSECs and indicators.	8	3, 4	3.1, 4.1	3-1 to 3-25, 4-1 to 4-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall provide a clear rationale for its selection of communities, the public consultation carried out, and relevant reference studies and reports from which baseline data is collected.	3 8	1 3, 4	1.3, 1.4 3.1, 3.4, 4.1, 4.4	1-5 to 1-12, 1-12 to 1-19 3-1 to 3-22, 3-36 to 3-37, 4-1 to 4-21, 4-31 to 4-32

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		In its impact assessment, the Proponent shall describe and assess the interactions between the socio-economic and biophysical environments, including the roles of the land and wage-based economies and the nature of a mixed economy in the North. The discussion should reflect a proper understanding of the structure and functioning of the potentially affected societies in order to identify the potential of the Project to affect them, whether positively or negatively, and to ensure that any socio-economic mitigation measures put in place by the Proponent have a reasonable likelihood of attaining their objectives.	8	3, 4	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent shall also provide discussions of items (Topics for Discussion) which are essential to capturing the overall socio-economic analysis but are beyond the responsibility of the Proponent to resolve in terms of the existing socio-economic conditions found within the Kitikmeot Region, Nunavut or Yellowknife, Northwest Territories.	8	3, 4	3.5, 4.5	3-42 to 3-104, 4-33 to 4-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		Whenever relevant and appropriate, data shall be disaggregated by age, gender, ethnic affiliation, community, and territorial, provincial, and federal region.	8	3, 4	3.1, 4.1	3-1 to 3-25, 4-1 to 4-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		Socio-economic indicators are used to present baseline information and subsequently measure impacts related to the proposed project, those indicators selected must be adequate to address all types of foreseeable impacts, including cumulative and residual. The EIS shall clearly identify and justify the Proponent's selection of indicators, identify when and on which VSEC the potential impacts may manifest.	8	3, 4	-	3-1 to 3-25, 4-1 to 4-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		The Proponent is expected to clearly identify limitations and knowledge gaps encountered in its efforts to collect the information required by the following sections of these Guidelines.	8	3, 4	3.1, 4.1	3-1 to 3-25, 4-1 to 4-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.1 Economic Development and Opportunities	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.1.1 Baseline Information	i. The traditional economy, current economic structure including the interaction between the wage and traditional economy, development trends in the Project RSA and variability in potential impacted communities as well as in Nunavut as a whole,	8	4	4.1	4-1 to 4-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. The economic development levels in the Project RSA comparing to other regions in Nunavut, advantages and constraints of economy development,	8	3	3.1	3-1 to 3-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. The roles the exploitation of renewable resources (e.g., subsistence and commercial hunting and fishing) play in economic terms and its significance for the local economy,	8	4	4.1	4-1 to 4-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iv. Community and resident self-reliance, and	8	3	Appendix V8-3A	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		v. Overview of Nunavut's Real Gross Domestic Product, rate of Gross Domestic Product (GDP) growth, Consumer Price Index, import/export and trade balance of goods, personal savings rate, and business investment.	8	3	3.1	3-1 to 3-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.1.2 Impact Assessment	i. Potential impact on the local economy from regional level and community level as well as the implications of the Project on economic diversity,	8	3	3.5	3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. Potential impact on the traditional economic activities including hunting, fishing and sport hunting/guiding, etc.,	8	4	4.5	4-33 to 4-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. Potential impacts related to accessibility and removal of barriers for traveling, fishing, hunting/trapping and other activities by local communities as a result of construction and operation of the all-weather road,	8	4	4.5	4-33 to 4-60
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iv. Potential impacts on local and regional economy due to temporary closure and final closure, and	8	3	3.5.3	3-48 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		v. Provide a discussion on the effects that the Project may have on Nunavut's Real Gross Domestic Product, rate of GDP growth, Consumer Price Index, import/export and trade balance of goods, personal savings rate, and business investment.	8	3	3.5	3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.2 Employment	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.2.1 Baseline Information	i. The labour supply statistics in terms of relative genders, ages and other demographic categories,	8	3	3.1	3-1 to 3-25

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. An assessment of the current local and national labour force available to satisfy the needs of the Project development at each phase, identifying gaps between this availability and project needs by education level and other categories that may help to identify barriers and needs, including a discussion of the availability of Canadian labour and the potential need for foreign employees to address any gap in meeting project labour needs,	8	3	3.1.2, 3.5	3-1 to 3-25, 3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. Local household incomes, income sources, and compositions of income within the Project RSA,	8	3	3.1.2.2	3-3 to 3-6
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iv. Provision of sector specific breakdown of employment within the NSA and as pertains to Yellowknife, NT,	8	3	Appendix V8-3A	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		v. Existing local employment opportunities and labour supply status, and	8	3	3.1.2.2	3-3 to 3-6
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		vi. A discussion of the requirements for employment (e.g. education levels, criminal records, drug and alcohol policies, language abilities), and the potentials of needs to be met by local recruitment, as well as the extent to which the skills of the available workers match job requirements.	8 10	3 28	3.1, 3.8 All	3-1 to 3-25, 3-124 to 3-128 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.2.2 Impact Assessment	i. An assessment of the potential for development of the local labour force,	8	3	3.1, 3.5.3.3, 3.8	3-1 to 3-25, 3-64 to 3-80, 3-124 to 3-128
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. A discussion of culturally-sensitive workforce management practices that will meet both the Project's immediate labour force needs as well as the region's longer-term economic development needs,	8 10	3 28	3.8 All	3-124 to 3-128 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. A discussion of potential changes in the traditional activities and household function due to wage employment associated with the Project,	8	3, 4	3.5.3.5, 4.5.2.2	3-84 to 3-95, 4-44 to 4-53
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iv. An evaluation of the effects of competition for labour between the Project and existing businesses, institutions, and traditional activities, and	8	3, 4	3.5.3.3, 3.5.6.1, 3.7.2.1, 4.5.2.1, 4.5.2.2	3-64 to 3-80, 3-101 to 3-103, 3-121, 4-38 to 4-53
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		v. Potential impacts on employment due to situations of Project temporary and final closure.	8	3	3.5.3.3	3-64 to 3-80
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.2.3 Topics of Discussion	i. Evaluation of the possible effect of changes in income earnings on patterns of savings expenditure and consumption values, especially with changes to public housing rental requirements due to changes of employment status.	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.3 Education and Training	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.3.1 Baseline Information	i. An overview of the existing education system (early childhood through post-secondary),	8	3	3.1.2.3	3-6 to 3-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. Available training programs for adults and youth through the existing education system,	8	3	3.1.2.3	3-6 to 3-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. Local education infrastructure, capacity, funding resources, and administration system,	8	3	3.1.2.3, 3.1.2.6	3-6 to 3-7, 3-11 to 3-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iv. Education and skill levels of the residents in the Project RSA, and experience of the local labour force in different demographic categories based on available data.	8	3	3.1.2.3	3-6 to 3-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.3.2 Impact Assessment	i. An assessment of Project impacts to the education system and how it would influence training programs. Include an evaluation on how the Project might affect attendance, retaining teachers, class sizes, and other components of the education system,	8	3	3.3.2, 3.5	3-29 to 3-37, 3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. Provision of an assessment on the demands that might be placed on the educational infrastructure, capacity, funding resources and administration system,	8	3	3.3.2, 3.5	3-29 to 3-37, 3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. Requirements for education levels, skills and experiences of labour force from the Project in short, medium term and foreseeable future, taking account the vision of expansion for the Project lifespan, and regional economy development,	8	3	3.3, 3.5	3-27 to 3-41, 3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iv. A discussion of potential need of local labour force training to meet the needs of the Project. The types of training can be those specifically required by the Project, or others geared toward universally applicable skills that improve workers' opportunities in other sectors of the local economy. This assessment shall include predicted training resources and predicted resources needed to meet the designed training programs, if applicable,	8	3	3.8	3-124 to 3-128

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		v. An evaluation of training programs planned by the Proponent, the associated challenges and likelihood of success of trainees to satisfy the Project needs and regional economy development with consideration of cultural and language barrier,	8 10	3 24, 28	3.8 All	3-124 to 3-128 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		vi. A discussion of the potential for longer term community capacity building programs, if any have been planned or will be planned and are anticipated to be implemented throughout the Project's lifetime, regarding how mine training plans can enhance the transferability of skills after the mine closure (e.g. management and HR skills, computer skills, heavy equipment experience, finance skills, etc.), and	8 10	3 24, 28	3.5.3.4, 3.8 All	3-80 to 3-84, 3-124 to 3-128 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		vii. A discussion of other possible solutions to fill up the gap between requirements of project needs, and education level and qualifications of local labour force.	8	3	3.5.3.4	3-80 to 3-84
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4 Contracting and Business Opportunities	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.1 Baseline Information	i. Provision of the most up-to-date statistics and data available as it relates to contracting and business opportunities from socio-economic studies of communities in the Project RSA,	8	3	3.1	3-1 to 3-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		ii. Estimates of goods supplied to the Project, including country food supply for Inuit workers at the mine, procurement, services contracting, and other business opportunities in the Project RSA that may result from the Project, and	8	3	3.5	3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT		iii. The economy structure and characteristics of the local and regional economies, existing business types, scales of the different sectors of economy, and potential capacities to meet the needs of the Project.	8	3	3.1	3-1 to 3-25
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	i. An assessment of economic effects, positive and negative, stemming from the Project's contracting and business opportunities through the lifespan of the Project,	8	3	3.5.3.2	3-61 to 3-64
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	ii. Opportunities for local, regional, and territorial businesses to supply goods and services both directly to the Project, and indirectly to meet the demand created by the expenditure of new income by employment in the Project,	8	3	3.5.3.2	3-61 to 3-64
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	iii. An assessment of the Project effects on other local and regional economic sectors, in particular the competition to other business' needs due to limited capacity of local business,	8	3	3.5, 3.6.2.1	3-42 to 3-104, 3-113 to 3-114
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	iv. An assessment of the contributions made to public, communities and Inuit from the Project,	8 10	3 26	3.5 All	3-42 to 3-104 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	v. An assessment of the project-related procurement, and potential capacity to meet Project needs,	8	3	3.5.3.1, 3.5.3.2, 3.5.3.3	3-48 to 3-80
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	vi. A discussion on barriers to local business capacity building,	8 10	3 24	3.1.2.5, 3.5, 3.8 All	3-10 to 3-11, 3-42 to 3-104, 3-124 to 3-128 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	vii. An assessment of existing country food supply sources from the Project region and Nunavut, and opportunities to supply country foods for Inuit workers at the Project,	8 10	4 28	3.3.2.2 3.1.2	3-34 to 3-37 3 to 4
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	viii. An assessment of opportunities for local communities to diversify their economic sources and to supply new goods and services to meet the need generated by the Project, and	8	3	3.5.3.2	3-61 to 3-64
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.4.2 Impact Assessment	ix. Potential impacts on local businesses and services due to temporary closure and final closure.	8	3	3.5.3.2	3-61 to 3-64
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.5 Population Demographics	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.5.1 Baseline Information	i. A description of regional and local community populations, demographics structure, composition, characteristics and population trends, and	8	3	3.1.2.1	3-2 to 3-3
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.5.1 Baseline Information	ii. A discussion of observed variations in education levels, dietary habits, religious characteristics and other social aspects in different demographic categories in the RSA.	8	3, 4	X.1	3-1 to 3-25, 4-1 to 4-22
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.5.2 Impact Assessment	i. Potential for project-induced demographic changes in population, migration, (including in-migration from outside of Nunavut), population re-distribution or movement of Nunavummiut between communities and the effects of those changes, and further details on potential interactions between local residents and non-residents,	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.5.2 Impact Assessment	ii. Potential effects of fly-in/fly-out employment on population demographics, and,	8	3	3.3.2.1	3-30 to 3-34

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.5.2 Impact Assessment	iii. Potential effects from various Project phases, including unemployment as a result of temporary suspension of operations or mine closure.	8	3	3.5.3.3	3-64 to 3-80
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6 Traditional Activity and Knowledge	For the purpose of the current Guidelines, traditional activity and traditional knowledge shall consider land use, food security, language, cultural activities and commercial harvesting.	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	i. A description of cultural, ethnic, religious, and language characteristics and diversities in the RSA,	8	3, 4	X.1, X.2	3-1 to 3-27, 4-1 to 4-26
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	ii. Local and regional economy characteristics in term of relation to traditional land use activities and wage incomes,	8	3, 4	3.1.2.7, 4.1.2.5	3-16 to 3-24, 4-7 to 4-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	iii. Descriptions of the significance of, availability of, and level of dependence on, traditional foods as major nutritional sources by local residents within the Project RSA, including:	8	3, 4	3.1.2.7, 4.1.2.5	3-16 to 3-24, 4-7 to 4-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	o What country foods are consumed, or are expected to be consumed in the Project RSA, which parts of country foods are consumed, and their consumption frequency, and	8	3, 4, 5, 6	3.1, 3.2, 4.1, 5.1.1, 6.1.8, 6.4.2.12, Appendix V8-5A	3-1 to 3-23, 4-1 to 4-21, 5-1 to 5-12, 6-11 to 6-12, 6-142, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	o Descriptions, including maps, of traditional and current hunting ranges and patterns in the LSA,	8 3	4 3	4.1 Appendices V3-3A, V3-3B	4-1 to 4-21 All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	iv. Description of the use of caribou as a subsistence species, including harvesting, sustainable use of caribou, and the cultural and social activities associated therein, to specifically include hunting, community feasts, and the commissioning of arts and crafts, and	8	4	4.1.2.5	4-7 to 4-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.1 Baseline Information	v. Details regarding wildlife and vegetative species that are culturally valuable to northerners.	8	4	4.1.2.5	4-7 to 4-20
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	i. Potential effects of the Project on the accessibility of caribou and other terrestrial wildlife species to harvesters where such may be affected by reductions in habitat and herd sizes and/or expected changes to migration patterns or human travel routings. The risks to present and future generations of harvesters should also be considered,	8	4	4.5.2.2	4-44 to 4-53
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	ii. Potential impacts related to accessibility to areas for hunting, fishing, marine harvesting, traveling, recreational and religious activities as a result of the Project development, including a consideration of individual components such as all-weather roads and marine shipping,	8	4	4.5.2.2	4-44 to 4-53
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	iii. Potential effects on sustainable resource use, such as country food availability and accessibility of carving stone deposits, taking into account the CEA throughout the entire lifespan of the Project,	8	4	4.3.2	4-28 to 4-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	iv. Potential impacts to marine wildlife of cultural or practical importance to northerners,	8	4	4.3.2.1	4-28 to 4-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	v. Potential impacts to Aboriginal fisheries species, including fish of cultural or practical importance to northerners,	8	4	4.3.2.1	4-28 to 4-30
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	vi. Potential impacts to the ongoing productivity of local or regional commercial, recreational or Aboriginal fisheries,	8	4	4.3.2.2	4-30 to 4-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	vii. Potential impacts to vegetation of cultural or practical value to northerners,	8	4	4.3.2.2	4-30 to 4-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	viii. Description on how the Proponent will comply with the Official Languages Act, and	8	4	4.3.2.2	4-30 to 4-33
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.6.2 Impact Assessment	ix. Potential impacts that the contamination of traditional food sources, including those trapped, fished, hunted, harvested or grown for subsistence or medicinal purposes (i.e. berries, etc.), may have on individuals, families, communities, and the ability of Inuit to engage in traditional lifestyles.	8	5 6	5.5.2.3 6.4.2.11	5-30 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7 Non-traditional Land Use and Resource Use	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.1 Baseline Information	i. A description of known non-traditional land and resource use including protected areas, visual and aesthetic resources,	8	4	4.1.2.2, 4.1.2.3, 4.1.2.4	4-2 to 4-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.1 Baseline Information	ii. Provision an overview of local and regional land use activities in the LSA as well as areas potentially impacted by shipping activities,	8	4	4.1.2.5	4-7 to 4-21

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8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.1 Baseline Information	iii. A description of current and traditional land use areas and the importance of those areas to Inuit culture and social well-being,	8 3	4 3	4.1.2.5 Appendices V3-3A, V3-3B	4-7 to 4-21 All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.1 Baseline Information	iv. A description of known land use activities and relation to the local economy, self-reliance, food supplies and livelihood,	8	4	4.1.2.5	4-7 to 4-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.1 Baseline Information	v. A description of identified and anticipated overlapping zones and/or areas where the land use activities co-exist or interact with Project components and activities, and	8	4	4.5.2	4-38 to 4-53
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.1 Baseline Information	vi. A description of the current tourism activities and recreational use occurring in the Project region.	8	4	4.1.2.4	4-5 to 4-7
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.2 Impact Assessment	i. A description of impacts to known non-traditional land and resource use including protected areas, visual and aesthetic resources,	8	4	4.5.2.1	4-38 to 4-44
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.2 Impact Assessment	ii. A discussion of anticipated interactions between project development and land use activities by local residents in the Project RSA, in particular at the mine site, all-weather road and shipping routes, and	8	4	4.5.2.2	4-44 to 4-53
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.7.2 Impact Assessment	iii. A description the potential impact on the tourism industry from the Project's development which may impair the wilderness experience of tourism in the Project RSA.	8	4	4.5.2.1	4-38 to 4-44
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8 Heritage Resources	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.1 Baseline Information	i. A summary description of known archaeological/paleontological, burial, cultural and historic, sacred and spiritual sites within the LSA based on TK and scientific baseline studies. Each site shall be described on a map with a corresponding scale. Large-scale maps should be sent to the Government of Nunavut, Department of Culture and Heritage (GN-CH) upon request to assist in its review,	8	1	1.1, 1.2, Appendices V8-1A, V8-1B	1-1 to 1-12, All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.1 Baseline Information	ii. A description of regulatory requirements and procedures for recovery and removal of artefacts and/or fossils in areas of proposed development, and	8	1	1.1.1	1-1
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.1 Baseline Information	iii. A description of the relationship between the cultural sites and social lives of local communities in the LSA.	8	1	1.1, 1.2, Appendices V8-1A, V8-1B	1-1 to 1-12, All, All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.2 Impact Assessment	i. Potential impacts to archaeological and paleontological resources (e.g., burial sites, sacred sites), and other cultural sites within the LSA resulting from development of Project infrastructure including all-weather roads, mine sites, laydown areas, airstrips, etc.,	8	1	1.5	1-15 to 1-29
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.2 Impact Assessment	ii. Potential impacts on archaeological and paleontological resources from increased activity in the area associated with the mine including ground transportation and ongoing exploration as well as non-mine related activities,	8	1	1.5	1-15 to 1-29
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.2 Impact Assessment	iii. Potential impacts to archaeological and paleontological resources as a result of borrow pit and quarry construction and operation, as well as construction and use of access roads. Discussion of how considerations for potential impacts have been incorporated in the road routing and design should also be presented, and	8	1	1.5	1-15 to 1-29
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.8.2 Impact Assessment	iv. Potential impacts on cultural well-being, religious and spiritual activities which are related to cultural and historic, sacred and spiritual sites.	8	1	1.5	1-15 to 1-29
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9 Health and Wellbeing	For the purpose of the current Guidelines, discussions relating to individual and community wellness shall include family and community cohesion, as well as other indicators as may be selected by the Proponent.	8	3	3.3.2.2	3-34 to 3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.1 Baseline Information	i. A description of the current individual and family well-being including a discussion on households, family and community stability,	8	3	3.1.2.7	3-16 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.1 Baseline Information	ii. A description of household social structures within the RSA, and where possible, the prevalent representative household social structure, including: the prevalent composition (family/kin-relations co-existing, generations in the household), the gender roles, the prevalent division of household labour based upon existing gender roles, the dominant consumption patterns, access to credit, and how resources are shared/divided within the household as well as how decisions are made in the household,	8	3	3.1.2.1	3-2 to 3-3
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.1 Baseline Information	iii. A description of the current status of human health in the RSA, including mental, and psychological health, well-being, previous history and exposure, and identify vulnerable sub-groups where applicable, and	8	3	3.1.2.7	3-16 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.1 Baseline Information	iv. A description of nutritional requirements of residents in the RSA along with quantitative information on the diet habits of residents, including consideration of details such as the seasonal, gender and age-related consumption of country foods.	8	3, 4	3.1, 4.1.2.5	3-1 to 3-25, 4-7 to 4-21

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	i. A description of potential impacts to individual and family well-being from the Project,	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	ii. Potential impacts to household social structure from the Project (e.g. one or two family members working at the mine site),	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	iii. Potential effects on lifestyle, including the effects of a major employment base away from the communities,	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	iv. Potential effects on community and family stabilities, and culture integrity due to potential demographic changes,	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	v. Potential effects on individual, family and community health and wellbeing from workplace and community cross-cultural tension, conflict, and/or racism.	8	3	3.3.2.3	3-34 to 3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	vi. Potential impacts on human mental and physical health and well-being within the RSA resulting from potential indirect effects of the Project. This discussion should give consideration to gambling, substance abuse, family violence, sexually transmitted infections and other communicable diseases,	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	vii. Potential impact on community, family and individual well-being as a result of increased access to alcohol and other controlled substances resulting from increased incomes as well as the potential movement of these substances through the Project site or via Project- related activities (i.e. stopovers or layovers),	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	viii. Potential impacts on human health associated with traditional lifestyles where large amounts of country foods are consumed, considering the bioaccumulation and take-up of contaminants associated with changes to the level of contaminants loadings in country foods (i.e. terrestrial and marine wildlife, fish, birds, and vegetation consumed by humans), and	8	5, 6	5.5.2.2.3, 5.5.4.2.4, 5.5.4.2.5, 5.5.4.3, 5.8, 6.4.2.7.4, 6.4.2.8.5, 6.4.2.9.4, 6.4.2.12	5-29 to 5-30, 5-39 to 5-60, 5-60, 5-61, 6-104 to 6-124, 6-124 to 6-132, 6-132 to 6-163, 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.2 Impact Assessment	ix. Potential impacts to community well-being in the RSA.	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	i. A description of current substance abuse issues including trends relating to the importation of drugs and alcohol, crime and violence, and other relevant social factors,	8	3	3.1.2.7	3-16 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	ii. An overview of the current financial management programs available in the potentially affected communities,	8	3	3.3.2.3	3-34 to 3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	iii. A description of the current community well-being, including information about the capacity, availability, and affordability, where relevant, of local services and infrastructure (i.e. housing, training, education, day care services, health care, etc.),	8	3	3.1.2.6, 3.1.2.7	3-11 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	iv. A description of local and regional community and cultural values and initiatives that promote and support regional and family health and cohesion.	8	3	3.1.2.7	3-16 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	v. A description of increased pressure on existing social, institutional, and community services, facilities and services, and infrastructure,	8	3	3.3.2.3	3-34 to 3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	vi. Potential impacts to community safety and security, including indirect impacts on frequency and types of crime incidents, with consideration for a potential influx of Project personnel into local communities during the life of the Project,	8	3	3.3.2.3	3-34 to 3-37
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	vii. Identification and discussion of potential impacts of the Project on accident rates, alcohol/prohibited substance consumption and import/export, and	8	3	3.5.3.5	3-84 to 3-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.9.3 Topics for Discussion	viii. A description of barriers to current financial management programs and any incentives that would be provided by the Proponent for healthy financial management.	8	3	3.5	3-42 to 3-104
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10 Community Infrastructure and Public Services	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	i. Description of community, cultural and recreation programs,	8	3	3.1.2.6	3-11 to 3-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	ii. Description of existing transportation modes and travel routes/roads,	8	3	3.1.2.6	3-11 to 3-16

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Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	iii. Discussion of costs to build infrastructure, transportation costs, and effect on public services,	8	3	3.1.2.6	3-11 to 3-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	iv. Description of existing communication systems and services and utilities,	8	3	3.1.2.6	3-11 to 3-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	v. Description of community & regional waste management systemsDescription of current conditions of local supply and demand of housing, including private, public and rental housing and their costs, other infrastructure, and related capacity within the RSA,	8	3	3.1.2.6	3-11 to 3-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	vi. Description of existing public services and associated community facilities in the RSA, including law enforcement, health care, emergency response, dependency assistance, welfare utilities, temporary accommodation and food services, and	8	3	3.1.2.7	3-16 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.1 Baseline Information	vii. Description of existing outpost camps and other facilities outside of municipal boundaries which facilitate harvesting and recreation activities in the LSA, particularly within the proximity of the Project.	8	4	4.1.2.5	4-7 to 4-21
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.2 Impact Assessment	i. A discussion of demand for community infrastructure and public services from the Project directly and indirectly,	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.2 Impact Assessment	ii. An assessment of the effects on services and/or infrastructure (including housing) in public and private sectors, due to the potential use by the Project directly or indirectly, including those caused by Project-induced demographic changes, noting that where the assessment determines an impact, the Proponent should outline proposed mitigation measures,	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.2 Impact Assessment	iii. An assessment of potential increased demand on the local and regional health care systems, including the standard medical system, emergency response and emergency medical care, medevac services, and challenges raised by any increased demand,	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.2 Impact Assessment	iv. A discussion of building new and updating existing structures including weather shields and outposts beyond the boundary of communities and along hunting/traveling routes, and/or at hunting grounds which may facilitate local hunting activities/traveling in Project areas,	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.2 Impact Assessment	v. An assessment of incremental costs imposed by the needs from the Project directly or indirectly on public infrastructure, services, including those caused by Project-induced demographic changes, and	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.2 Impact Assessment	vi. A discussion of community access to Project infrastructure upon closure, including proposed road options.	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.3 Topics for Discussion	i. A discussion of the potential to bring in freight for communities by return shipping, and likelihood to share shipping costs with local communities,	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.3 Topics for Discussion	ii. A description of the extent and current capacity of the local transportation systems and associated infrastructure,	8	3	3.1.2.6	3-11 to 3-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.3 Topics for Discussion	iii. An assessment of public health and environmental health needs and implications to the Proponent's community initiatives, and	8 10	3 26	3.3.2.1 All	3-30 to 3-34 All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.10.3 Topics for Discussion	iv. Potential impact on availability and adequacy of existing health infrastructure and services including medical, dental, vision, social, mental (including addictions), environmental health officers, social workers, registered nurses, medical director, access to medical travel and interventions.	8	3	3.3.2.1	3-30 to 3-34
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11 Human Health and Safety	-	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.1 Baseline Information	i. A description of human exposure to current environmental contaminants in the RSA, and	8	5, 6	5.1, Appendix V8-5A, 6.1	5-1 to 5-15, All, 6-2 to 6-13
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.1 Baseline Information	ii. A discussion relating to the local health statistics when compared with other parts of Nunavut and Canada as appropriate.	8	3	3.1.2.7	3-16 to 3-24
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.2 Impact Assessment	i. A discussion of the standards, guidelines and regulations that the Project will incorporate during construction and operations, at various Project sites to minimize the impacts and protect workers' health,	2 8 10	2 6 25	2.1.5 6.4.1.9, 6.4.2.9, 6.4.3.9 3.7, 3.8	2-3 to 2-4 6-73 to 6-94, 6-132 to 6-163, 6-172 8 to 9
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.2 Impact Assessment	ii. An assessment of the health, safety and security of workers at the job sites taking into account different Project phases and locations (e.g., explosive manufacturing plant, drilling and blasting operation, and heavy equipment operations),	8	6	6.4.3.6, 6.4.3.7	6-167 to 6-168

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.2 Impact Assessment	iii. Potential impacts on human health from air contamination, fugitive dusts resulting from air and ground traffic, potential impacts to potable water quality, and exposure to escalated noise and extreme weather conditions,	8	6	6.4.2, 6.4.3	6-95 to 6-177
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.2 Impact Assessment	iv. Potential sources and characteristics of any conventional risks to workers or the public during all phases of the Project,	8	6	6.4.4	6-177 to 6-178
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.2 Impact Assessment	v. Potential effects on physical health such as mortality, morbidity, injuries, accidents, effects on sensitive sub-populations (i.e. asthma sufferers), physical hazards associated with construction, operation and closure phases, and	8	6	6.4.2.10	6-163 to 6-16
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.2 Impact Assessment	vi. Potential impacts of workplace discipline and cultural conflicts among Nunavummiut, Northwest Territories, and Southern workers, including those issues which may be related to or exacerbated by language barriers between employees.	10	28	3.1.4, 3.1.5, 7.1.5.3	4 to 6, 12
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.2 SOCIO-ECONOMIC ENVIRONMENT AND IMPACT ASSESSMENT	8.2.11.3 Topics for Discussion	i. A description of the existing infrastructure and health services available within the RSA and the potential impact on the quality of health services, including the resources and capacity to monitor and respond to increased health hazards.	8	3, 6	3.1, 3.3.2.3, 6.4.2.8	3-1 to 3-25, 3-37, 6-124 to 6-132
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		Key components of the Human Health Risk Assessment process include the identification of potential Project-human interaction pathways, and hazardous substance constituents of potential concern (COPC), human receptors and assessment criteria. As such, the Human Health Risk Assessment is to include:	8	6	6.4.2	6-95 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		i. Predicted sources, quantities and points of release from Project emissions and effluents containing hazardous substances,	8	6	6.4.2.7.1	6-104 to 6-121
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		ii. A selection process for COPCs,	8	6	6.4.2.9	6-132 to 6-169
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		iii. Identification of all pathways to human receptors including bioaccumulation in country foods,	8	6	6.4.2.7.2, 6.4.2.7.3, 6.4.2.7.4, 6.4.2.7.5	6-104 to 6-124
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		iv. Identification and characterization of human receptors (workers and the public). Include maps to delineate their locations and the distances of communities, residences, temporary/seasonal residences, etc. to project sites and related infrastructure,	8	6	6.4.2.7.3	6-104 to 6-124
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		v. The method used to convert hazardous substance exposure and human receptors from various pathways to calculate exposure or dose (e.g. conversion factors), and	8	6	6.4.2.10.3	6-163 to 6-175
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		vi. Criteria used to determine significance of impact, specifically, calculation of hazard quotients, which translates into the ratio between the predicted maximum exposure concentration for each contaminant of concern in each relevant media (i.e. air, water, soil, sediment) and the toxicity threshold for the most sensitive biological receptor in the respective medium for which toxicity information is available.	8	6	6.4.2.9.1, 6.4.2.9.2, 6.4.2.9.4, 6.4.2.10.1, 6.4.2.10.4	6-132to 6-163, 6-163 to 6-165
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		Key components of the Environmental Risk Assessment process include the identification of potential project and terrestrial and aquatic receptor interaction pathways, hazardous substance COPCs, terrestrial and aquatic ecological receptors and assessment criteria. As such, the Environmental Risk Assessment is to include:	8	6	6.4.1	6-18 to 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		i. Predicted sources, quantities and points of release from the Project emissions and effluents containing hazardous substances,	8	6	6.4.1.7.1	6-36 to 6-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		ii. The selection process for COPCs,	8	6	6.4.1.9	6-73 to 6-94
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		iii. Identification of disease vectors,	8	6	6.4.1.6	6-35 to 6-36
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		iv. Identification of pathways to terrestrial and aquatic ecological receptors (VECs),	8	6	6.4.1.7.2, 6.4.1.7.3, 6.4.1.7.4, 6.4.1.7.5	6-36 to 6-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		v. Identification and characterization of terrestrial and aquatic ecological receptors,	8	6	6.4.1.1, 6.4.1.2, 6.4.1.7.3	6-19 to 6-21, 6-36 to 6-58
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		vi. The method used to convert hazardous substance exposure and intake by the various ecological receptors from the various pathways into an exposure or dose (e.g. conversion factors),	8	6	6.4.1.9.1, 6.4.1.10, 6.4.1.11	6-172, 6-94 to 6-95
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		vii. Exposure conditions, identifying routes of exposure (air, water, soil, food), public and occupational exposure, address high risk populations,	8	6	6.4.1.7.2, 6.4.2.7.2, 6.4.2.10	6-36 to 6-58, 6-163 to 6-16

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Part	Section	Subsection					
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		viii. Noise effects (i.e. potential effects on human health resulting from atmospheric noise levels and noise interactions with species that are traditional food sources), and	8	6	6.4.3	6-165 to 6-177
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.3 HUMAN HEALTH AND ENVIRONMENTAL RISK ASSESSMENT		ix. Criteria used to determine significance of impact, specifically, calculation of hazard quotients, which translates into the ratio between the predicted maximum exposure concentration for each contaminant of concern in each relevant media (i.e. air, water, soil, sediment) and the toxicity threshold for the most sensitive biological receptor in the respective medium for which toxicity information is available.	8	6	6.4.1.9, 6.4.1.10, 6.4.1.11	6-73 to 6-85
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.4 ACCIDENT AND MALFUNCTIONS ASSESSMENT		An assessment must be provided for malfunction and accident scenarios that have a reasonable probability of occurring. The assessment is to include:	-	-	-	-
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.4 ACCIDENT AND MALFUNCTIONS ASSESSMENT		i. A description of the source, quantity, mechanism, rate, form and characteristics of contaminants and other materials both physical and chemical, likely to be released to the surrounding environment during the postulated malfunctions and accidents, and	9	3	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.4 ACCIDENT AND MALFUNCTIONS ASSESSMENT		ii. A description of any contingency, clean-up or restoration work in the surrounding environment that would be required during, or immediately following, the postulated malfunction and accident scenarios.	9	3	All	All
8.0 PROJECT ENVIRONMENT AND IMPACT ASSESSMENT	8.4 ACCIDENT AND MALFUNCTIONS ASSESSMENT		The assessment for conventional malfunctions and accidents should include fire and explosion incidents and demonstrate that the conventional malfunctions and accidents are unlikely to cause long-term or residual effects both to persons and the environment, taking into account the proposed mitigation measures and including preventive measures and emergency response capability.	9	3	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		An Environmental Management Plan (EMP) provides a systematic approach to consistently manage all environmental affairs for the Proponent, addressing concerns through the allocation of resources, assignment of responsibility and ongoing evaluation of practices, with an aim to improving its environmental performance by continual improvement of the management system. The Proponent shall present its environmental policy, its EMP and associated environmental management system through which it will deliver this plan.	10	1	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		The EMP shall provide a perspective on how potentially adverse environmental effects will be managed throughout the life of the Project.	10	1	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		The Proponent shall discuss the flexibility of the proposed EMP to respond to changes in the mining development plan, the regulatory regime, the biophysical and socio-economic environments, technology, research results, and the understanding of TK.	10	1	2, 7, 8, 9, 12	1 to 3, 11 to 13, 15
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		The Proponent shall discuss how the results from the EMP will be used in applying adaptive environmental management throughout all phases of the Project, and identify threshold/criteria and indicators to trigger management actions in each sub plan.	10	1	2, 7, 13	1 to 3, 11 to 12, 15 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		The EMP shall be comprised of individual monitoring and mitigation plans, specific to various aspects, components, activities and phases of the Project. Although the information requirements of the following sections are intended to be as comprehensive as possible, it is recognized that various items may be dependent on the Proponent's development plans for the Project, which will continue to be refined throughout the NIRB's review process.	10	1	13	15 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		While some information required under these plans might not be available for the Proponent's Draft EIS submission, the Proponent shall include a scheduled timeline relating to stages of the NIRB's review process or the later licensing/regulatory processes when this information will become available (i.e. Technical Meeting, Final EIS, Final Hearing, and Water Licensing).	Noted			
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		The NIRB recognizes that flexibility in the arrangement of the information requested in the following sections may be required and the Proponent may use its judgement in consolidating or arranging the information in the most effective fashion.	Noted	-	-	-
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		In its individual monitoring and mitigation plans, the Proponent shall also assess the likely effectiveness of mitigation measures and associated follow-up mechanisms for adaptive management.	10	1	13.4	20 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.1 ENVIRONMENTAL MANAGEMENT PLAN		The Proponent shall provide a risk assessment of those economic (e.g. the global economy and international markets), or other conditions (e.g. ownership transfer) that might also impair the implementation or effectiveness of proposed mitigation measures or management.	9	1	1.2.4.3	1-20 to 1-27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.2 ENVIRONMENTAL PROTECTION PLAN		The Proponent shall, based on its impact predictions for identified VECs and VSECs, prepare an Environmental Protection Plan (EPP) in accordance with its EMP prior to commencement of construction for all phases of the Project (site preparation, construction, operation, maintenance, any potential modifications, temporary closure, final closure (decommission & reclamation) and post-closure).	10	1 2 7	13 1 7	15 to 20 1 43 to 47

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Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.2 ENVIRONMENTAL PROTECTION PLAN		The EPP shall be integrated into procedure documents for all phases of the Project which target the site management staff, the Proponent's occupational health, safety and environmental compliance staff, as well as government departments and agencies tasked with environmental and regulatory compliance monitoring/surveillance.	10	1	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.2 ENVIRONMENTAL PROTECTION PLAN		A Table of Contents and an annotated outline for the EPP is to be presented in the EIS which shall address the major Project activities, permit requirements, mitigation measures and contingency planning in combination with other management plans.	10	2	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		In accordance with the EMP, the Proponent shall present individual monitoring and mitigation plans, specific to various aspects of the Project and the environment, to be incorporated into all applicable phases of the Project.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		In these plans, the Proponent is required to outline how results from monitoring will be used to refine or modify the design and implementation of mitigation measures and management plans.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		The plans are meant to ensure that the Project is conducted as proposed, predicted adverse environmental effects are promptly mitigated, and relevant laws and regulations are met, and thus ensure the proper operation of works, equipment, and facilities connected to the Project. Plans should outline procedures for the re-assessment, improvement, or reorientation of the plan should it be determined at any point in the Project's development that such plan no longer meets the initial purpose or objective.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		In its monitoring and mitigation plans, the Proponent should specify proposed criteria or thresholds to trigger the mitigation measures based on its monitoring results, including the position of the person for the implementation of these mitigation measures, the system of accountability and the phase and component of the Project to which the mitigation measure would be applied.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		Each of the monitoring and mitigation plans shall include:	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		i. Objectives of the monitoring program, applicable laws, regulations and/or Acts,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		ii. The VECs and VSECs to be monitored, with associated parameters and indicators, and selection criteria/thresholds to be compliant with,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		iii. A description of the frequency, duration, and geographic extent of monitoring with justification for each, and identification of the personnel who will conduct the monitoring, collect, analyze and interpret data,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		iv. A description of measures taken to protect the monitoring infrastructure from climate change and potential major climate events (e.g. extreme flows),	9	2	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		v. Proposed actions in the event that observed results (impacts) differ from those predicted, including a discussion of actions to be taken for observed non-compliance with the law or regulations, performance targets or with the obligations imposed on contractors by the environmental provisions of their contracts,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		vi. Proposed reporting scheme for monitoring results, including format, reporting intervals, and responsible territorial and federal authorities,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		vii. An evaluation of the efficiency of mitigation measures, and the compliance with Project authorizations,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		viii. Plans for integration of monitoring results with other aspects of the Project including, adjustments for operating procedures and refinement of mitigation measures,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		ix. Procedures/mechanism to assess the effectiveness of monitoring programs, mitigation measures, and adaptive programs for areas disturbed by the Project,	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		x. A discussion of the relationship between monitoring plans and the EMP, and	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		xi. Quality assurance and quality control measures to be applied to monitoring programs.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		As described in Section 7.3, the Proponent should consider the design of all biophysical environmental monitoring programs to ensure that the baseline data required is useful in understanding the relationship between the natural ecological conditions and the potential Project impacts on these conditions. This would improve interpretation of monitoring data in order to differentiate between natural variability and project-specific impacts.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.3 MONITORING AND MITIGATION PLANS		All monitoring plans should be designed so that results from these programs can be coordinated with ongoing regional initiatives or programs with relevant government organizations, or regional authorities.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS		The Proponent shall present environmental monitoring and management plans developed to eliminate or mitigate potential negative impacts of the Project on the biophysical environment as identified in Section 8.1.	10	All	All	All

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Guidelines Section							
Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS		The Proponent shall also identify any residual effects after appropriate mitigation measures are implemented.	1 4 5 6 7 8	6, 7, 8 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All X.5, X.6, X.7, X.8 X.5, X.6, X.7, X.8 X.5, X.6, X.7, X.8 X.5, X.6, X.7, X.8 X.5, X.6, X.7, X.8	All 1-15 to 1-33, 2-11 to 2-26 4-26 to 4-69, 5-83 to 5-152, 6-35 to 6-81, 7-19 to 7-64, 8-30 to 8-92, 9-30 to 9-60, 10-21 to 10-54 1-41 to 1-53, 4-35 to 4-62, 5-21 to 5-44, 6-53 to 6-71, 7-35 to 7-49 2-16 to 2-43, 3-12 to 3-34, 4-36 to 4-46, 5-19 to 5-30, 6-18 to 6-49, 7-15 to 7-40 1-15 to 1-30, 3-42 to 3-127, 4-33 to 4-84, 5-23 to 5-61
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS		The plans shall be developed to reflect the complete life span of the Project, and contain appropriate monitoring and evaluation techniques (e.g. indicators) that will allow regulators to intervene in a timely and constructive manner.	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS		The plans shall target identified VECs and are to include, but should not be limited to, the following list:	10	All	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	The Proponent shall provide an assessment of the potential risks from natural hazards, in both marine and terrestrial environments. This plan shall encompass the whole life of the mine and will provide mitigative measures which address the potential ecological and human health risks. The Proponent shall also identify and describe the likelihood of possible malfunctions and accidents occurring independently of, or associated with natural hazards.	9 10	3 3	3 4.2, 5.5.5	3-1 to 3-21 17 to 27, 42 to 43
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	The Proponent shall develop an Emergency Response Plan to be supported by appropriate manual emergency response capabilities and that can be applied to deal with the range of emergency situations considered reasonable under circumstances of the Project.	10	3	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	The following issues shall be included in the Risk Management and Emergency Response Plan:	-	-	-	-
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	i. An assessment of potential natural hazards in the LSA and shipping corridors, including frequency, magnitude and possibilities of occurrence. Natural hazards to be considered should include extreme weather events, natural seismic events, landslides, and flooding,	9 10	2, 3 3	2.2, 3.2 4.2	2-1 to 2-7, 3-2 to 3-6 17 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	ii. An analysis of the potential for malfunctions and accidents associated with Project facilities and activities, including land or ice based, air or marine transportation, occurring independent of, or associated with natural hazards,	9 10	All 3	All 4.3	All 27 to 35
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	iii. Annual aviation audits for the aircraft types, companies and infrastructure associated with all Project related air transportation and documentation of the minimum flying height and seasonal flight restriction for the Project area,	10	3	5.4	37
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	iv. An assessment of fire risk to evaluate potential fire hazards, as well as the fire protection systems and features (including both physical attributes and program elements) used to mitigate the effects of fire,	10	3	5.5.2	40
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	v. Alerting, notification and reporting procedures, and associated responsible organizations and personnel,	10	3	2, 3, 4, 5	5 to 44
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	vi. Contingency responding procedures corresponding to each risk, and associated security systems and prevention measures, such as monitoring systems, hazard and leak detection systems, fire-control systems, and standby emergency systems,	10	3	4,5	13 to 44
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	vii. A discussion of options for the medical transport of injured staff or persons both within and beyond the Project area,	10	3	5.5.1	37 to 39
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	viii. A discussion of the constraints resulting from logistics and time frames for prompt reaction, with consideration for the potential distance to an accident or emergency site, and possible weather conditions which might cause considerable delays or obstacles,	10	3	5.5	37 to 44
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	ix. A description of how relevant government agencies, Inuit organizations and local communities will be involved in the development and application of the plans if applicable, and	10	3	1.4	2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.1 Risk Management and Emergency Response Plan	x. Any other contemplated loss prevention practices, including insurance.	10	3 15	8 12, 13	45 20 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	The Proponent shall develop Fuel Management Plans based on its environmental policy, to promote environmental awareness and safety. These plans are to be linked to Spill Contingency Plans, and must include the following, at a minimum:	-	-	-	-
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	i. Requirements of federal and territorial regulations,	10	4	4	2 to 3

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Part	**Section**	**Subsection**	**Guidelines Text**	**FEIS Volume**	**FEIS Chapter**	**FEIS Section**	**Page Numbers**
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	ii. Conceptual design drawings for fuel storage areas and procedures for bulk fuel transfer,	10	4	7.3.1, Figure 6.1-2, Figure 6.1-3	14 to 15, 7 to 8, 9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	iii. Substances covered by the plan (e.g. oil, fuel, hazardous materials, chemicals and other deleterious substances),	10	4	1, 2	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	iv. Training for emergency response staff including distributing Material Safety Data Sheet (MSDS) to designated emergency response and health centre staff,	10	4 6	7.3 7	13 to 15 17 to 23
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	v. Alerting, notification and reporting procedures, and	10	4 5	5, 9 5	3 to 4, 16 to 17 7 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.2 Fuel Management Plan	vi. Duties and responsibilities of key organizations and personnel.	10	4 5	5, 9 5	3 to 4, 16 to 17 7 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3 Spill Contingency Plans	The Proponent shall develop Spill Contingency Plans based on its Environmental Policy and which promote environmental awareness and safety, and further, which facilitate efficient clean- up for potential spill incidents related to the Project. These plans shall include Land, Water and Ice Based Spill Contingency Plans, Oil Handling Facility Contingency Plans and Shipboard Oil Pollution Emergency Plans.	10	5	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3 Spill Contingency Plans	In each plan, the Proponent shall address potential constraints to timely actions and immediate clean-up of spills which result from logistical and/or weather conditions.	10	5	8.2, All	23 to 25, All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3 Spill Contingency Plans	The Proponent shall include the following elements in its development of all spill contingency plans:	-	-	-	-
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	i. Requirements of federal and territorial regulations,	10	5	1.6	3 to 4
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	ii. Substances to which the plan is applicable (e.g. oil, fuel, hazardous materials, chemicals and other deleterious substances) and potential spill scenarios (on land, water and ice, if applicable),	10	5	3, 8	6, 22 to 28
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	iii. Training for emergency response staff, including distributing Material Safety Data Sheets (MSDS) to designated emergency response and health centre staff,	10	5	6, 6.4	14 to 16
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	iv. Alerting, notification and reporting procedures,	10	5	8.15, 9	23, 28 to 31
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	v. Duties and responsibilities of key spill response organizations and personnel,	10	5	5	7 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	vi. Clean-up strategies, technologies and corresponding inventory of spill response equipment and kits based on different substances of spills and environment conditions where spills might occur, and	10	5	8	22 to 28
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.1 Land, Water and Ice Based Spill Contingency Plans	vii. Spill site restoration and remediation (including treatment of contaminated soils).	10	5	8.6	28
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.2 Oil Handling Facility (OHF) Contingency Plan	i. Regulatory requirements of the Canada Shipping Act,	10	6	1.1	1
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.2 Oil Handling Facility (OHF) Contingency Plan	ii. Established Oil Pollution Prevention/Emergency Plan for operation of OHF,	10	6	1.2	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.2 Oil Handling Facility (OHF) Contingency Plan	iii. Responsible personnel required equipment and training, and	10	6	6	13 to 17
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.2 Oil Handling Facility (OHF) Contingency Plan	iv. Response scenarios and procedures.	10	6	8	23 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.3 Shipboard Oil Pollution Emergency Plans (SOPEPs)	i. Requirements of national laws and regulations, as well as international regulations and standards for proposed shipping operation of the Project,	10	6	2.1	2

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Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.3 Shipboard Oil Pollution Emergency Plans (SOPEPs)	ii. Marine transportation to be used for the Project including fuel tankers, container ships, barges, tugs, and any other marine vessels,	10	6	3.1, 3.2, 4	4, 9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.3 Shipboard Oil Pollution Emergency Plans (SOPEPs)	iii. A discussion regarding the relationship between SOPEPs and the Canadian Coast Guard's Regional Response Plan, including identification of potential for the Regional Response Plan to be adapted to the Project,	10	6	7.2	19 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.3 Shipboard Oil Pollution Emergency Plans (SOPEPs)	iv. Procedures for accident/incident reporting and principle emergency response, and	10	6	7.3	20 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.3.3 Shipboard Oil Pollution Emergency Plans (SOPEPs)	v. Parties (e.g. the Proponent, marine vessel operators and possible third parties) who carry out emergency actions.	10	6	7.2, 7.3, 7.4	19 to 23
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	The Proponent shall develop a Site Water Management Plan for the Project. This plan shall provide a consolidated source of information on the strategies to be applied to intercept, collect, contain, conserve, monitor and prevent the release of potentially contaminated waters. This plan shall also include a discussion of all major sources of water from the Project including process effluent, open pit water, underground mine water, site and stockpile drainage/runoff, and sewage/grey waste water and is to be associated with the baseline data and impact assessment required by Subsection 8.1.6.1. The plan shall at a minimum, consider the following:	10	7	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	i. Surface runoff, snowmelt, and rainwater that might come in contact with contaminated areas at the mine sites and along roads,	10	7	3.4, 3.5, 3.6, 3.7	14 to 42
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	ii. Runoff from overburden stockpiles, waste rock stockpile areas including waste rock identified with potential ARD and ML, ore stockpiles and quarry sites,	10	7	3.4, 3.5, 3.6, 3.7	14 to 42
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	iii. Runoff from the lined fuel tank farms, fuel transfer stations, and landfill facilities,	10	7	3.4, 3.5, 3.6, 3.7	14 to 42
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	iv. The prediction of the artesian inflow into the tailing management facilities during operation with support from numerical modeling if permafrost beneath the tailing management facilities is predicted to thaw during the life cycle of the tailing management facilities. The potential preferential flow along the fault cut through the pits should be considered in the inflow prediction. Measures for controlling the groundwater inflow/seepage, where necessary, should be discussed and a groundwater monitoring plan should be developed,	10	7	3.4, 3.5, 3.6, 3.6.8, 3.7	14 to 42
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	v. A description of the water management strategies, including methods for any water conservation and recycling methods to maximize water reuse and minimize use of natural waters,	10	7	4, 7.1, 7.2.2, 7.4	42, 43 to 45
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	vi. A description of the water management for the open pits and underground mines, and the tailings management facilities with consideration for the capacity of the open pits and underground mines, and the tailings management facilities to cope with storms, floods and other intermittent natural events with consideration of a conservative precipitation event (i.e., the PMP: Probable Maximum Precipitation). Design of the pumping capacity of the plant and treatment facility should take the potential maximum inflow and the PMP event into consideration,	2 10	7 7	Appendix V2-7H, Appendix V2-7G 3, 7	All, All 3 to 42, 43 to 47
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	vii. Contingency plans should the mine water volumes be significantly larger or less than estimated, specifically to address plans for mine operations and safety during times of low water availability,	10	7	9	50
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	viii. Management measures to reduce potential impacts to the receiving environment, including collection and monitoring of drainage water, installation of settling ponds, sumps or silt curtains, and geochemical characterization of construction materials,	10	7	7	43 to 47
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	ix. Proposed management of contact and noncontact water, and how the design of these components incorporates the consideration of climate change, especially when water diversions are proposed (i.e. increased or decreased flows),	10	7	3.4.2, 7.9	14 to 17, 47
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	x. Waste water treatment technologies and facilities, and estimated volumes and treatment targets of the effluent, as well as the applicable discharge standards including standards under the Fisheries Act,	10	7	3.3, 3.6.10	13 to 14, 35
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	xi. Waste water management in the construction stage at construction camps, including treatment/disposal methods, associated facilities,	10	7	3.3, 3.5.10	13 to 14, 25
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	xii. Conceptual operation and maintenance plans, including options for sewage sludge, and	2 10	4 7	4.3.6 3.3	4-26 to 4-27 13 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.4 Site Water Management Plan	xiii. Contingency measures for sewage plant malfunction and/or disturbances, associated spill response measures, as well as treatment technologies and facilities.	10	7	5 3.3	8.3.2 13 to 14

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Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	The Proponent shall present an Ore Storage Management Plan which encompasses all ore generated or produced by the Project and includes at a minimum:	10	8	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	i. A discussion of the predicted ore stockpile volumes/tonnage, physiochemical characteristics, stockpile methods and procedures including dust control, runoff management, progressive reclamation plans, and other details as deemed relevant,	10	8, 29	3.1, 3.2, 3.3, 3.4, 6 2.1, 2.2, 2.5, 3.4, 5.11	2 to 5, 6 to 7 9 to 11, 13 to 14, 15 to 16, 25 to 26
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	ii. A description of analyses implemented in the development of the proposed pile design and runoff management plans, include description and analysis of the water balance of the stockpiled ore material, the physical and chemical characteristics of seepage and runoff from the stockpiled ore material, as well as the thermal condition of the pile and surrounding ground, and consideration in the design of control measures to ensure seepage and runoff do not impact the surrounding environment,	10	8	3.1, 3.2, 3.3, 3.4, 6	2 to 5, 6 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	iii. A discussion on the means to minimize loss of ore material to the environment by wind and other means,	10	8	6.2	7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	iv. A discussion of proposed plans for accommodating the projected volumes of materials at the ore stockpile facilities, with a discussion of measures for contingency measures to address the situation in which the designed facilities are not adequate to accommodate ore actually generated,	10	8	3	2 to 5
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	v. Details regarding the process for selecting the preferred options for management of ore stockpile, including a discussion of alternative options (methodologies as well as locations) considered, and the rationale by which the proposed scheme was selected, and	2 10	4 8	4.2.4 3.5	4-9 to 4-11 5 to 6
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.5 Ore Storage Management Plan	vi. A conceptual plan to monitor and audit ore generated.	10	8	7	7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	The Proponent shall present a Mine Waste Management Plan which addresses all waste rock generated or produced by the Project through all Project phases as well as all tailings generated by the Project over the mine life. It may assist the Proponent to consult with the Prediction Manual for Drainage Chemistry from Suphidic Geologic Materials (Price, 2009) and Cold Regions Cover System Design Technical Guidance Document (O'Kane Consultants, 2012) in the identification of the waste rock characteristics as well as resulting plan. The Plan shall include, at a minimum:	10	9	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	i. A discussion of the predicted volumes/tonnage, physicochemical characteristics, segregation criteria, stockpile methods and procedures including dust control, runoff and seepage management, progressive reclamation plans, and other details as deemed relevant for both waste rock and tailings,	10	9 22	3, 7 3.1	2 to 10, 11 to 12 2 to 4
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	ii. A description of analyses implemented in the development of the proposed pile design and runoff and seepage management plans, include description and analysis of the water balance of the waste rock pile, the physical and chemical characteristics of seepage and runoff from waste rock piles, as well as the thermal condition of the pile and surrounding ground, and consideration in the design of control measures to ensure seepage and runoff do not impact the surrounding environment,	10	9	3, 7	2 to 10, 11 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	iii. A description of analyses implemented in the development of the proposed pond design and runoff and seepage management plans, include description and analysis of the water balance, the physical and chemical characteristics of seepage and runoff from surrounding area, as well as the thermal condition of the pond and surrounding ground, and consideration in the design of control measures to ensure seepage and runoff do not impact the surrounding environment,	2 10	7 9	Appendix V2-7E 3, 7	All 2 to 9, 11 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	iv. A description of the potential for rock heave phenomena and any resulting implications to ground stability,	10	9	3.5	8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	v. A discussion of proposed plans for accommodating the projected volumes of materials at waste rock and tailings facilities, with a discussion of measures for contingency situations in which the designed facilities may not be adequate to accommodate the volumes of waste rock and tailings actually generated,	10	9 22	3 3.1	2 to 10 2 to 4
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	vi. Details regarding the process for selecting the preferred options for the management of waste rock and tailings, including a discussion of alternative options (methodologies as well as locations) considered, and the rationale by which the proposed schemes were selected,	2 10	4 9	4.2.5, 4.2.6 3.7	4-11 to 4-18 8 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	vii. Detailed information on the waterways impacted by the proposed deposition of tailings to determine whether or not the Navigable Waters Protection Act (or subsequent replacement legislation) applies, as well as details of any anticipated impacts to navigation on any waterways listed as "navigable", and	10	22	6.4	15

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Guidelines Section							
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9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	vii. Detailed information on the waterways impacted by the proposed deposition of tailings to determine whether or not the Navigable Waters Protection Act (or subsequent replacement legislation) applies, as well as details of any anticipated impacts to navigation on any waterways listed as "navigable", and	10	9	7.4	12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.6 Mine Waste Rock and Tailings Management Plan	viii. Conceptual plans to monitor and audit mine waste rock and tailing ponds.	10	9 22	8 7	12 to 13 16
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.7 Landfill and Waste Management Plan	The Proponent shall develop a Landfill and Waste Management Plan which discusses how non-combustible, non-hazardous industrial wastes will be handled in a safe and environmentally sound manner, and includes the sorting, possible transport, and ultimate disposal of Project wastes. The plan should emphasize how the Proponent plans to minimize the environmental footprint of the Project, and shall include:	10	10	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.7 Landfill and Waste Management Plan	i. Landfill management plans for the mining operations phase,	10	10	7.3	10 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.7 Landfill and Waste Management Plan	ii. A discussion of measures taken during periods of rainwater, snow and spring freshet,	10	10	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.7 Landfill and Waste Management Plan	iii. Landfill closure and reclamation plans,	10	10 29	7.3 5.10	10 to 12 25
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.7 Landfill and Waste Management Plan	iv. A description of plans to reduce/reuse/recycle Project wastes, and	10	10	4.3	4 to 5
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.7 Landfill and Waste Management Plan	v. A discussion of any planned use of municipal waste management facilities or services.	10	10	4, 7	2 to 6, 9 to 15
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	The Proponent shall develop a Hazardous Materials Management Plan. The hazardous materials discussed are to include hydrocarbon contaminated soils, snow and water, fuel, lubricants, process reagents, chemical reagents used for site laboratory, solvents and paints, medical wastes, batteries, and other office-generated hazardous waste. This plan shall be developed in connection with the Emergency Response and Contingency Plan, and is to include the following:	10	12	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	i. Characterization of potential environmental hazards posed by these materials, and the management of these through the environmental management system,	10	12	6	6 to 11
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	ii. Purchasing controls, shipment tracking procedures,	10	12	10	22 to 28
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	iii. Fuel storage monitoring program,	10	12	9	22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	iv. Safe handling and storage procedures,	10	12	7.3, 7.4, 7.5	12 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	v. A discussion of the allocation of responsibilities for managing shipments, storage, handling and use of potentially hazardous materials,	10	12	7.3	12 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	vi. Contingency and emergency response plans associated with hazardous materials,	10	12	6.2, 7.4	10 to 11, 21 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	vii. Type and delivery of training for management, workers, and contractors whose responsibilities include handling potentially hazardous materials as well as those that may be required to assist and/or treat any of the above if there is an emergency/accident (i.e. local fire department, health centre, Royal Canadian Mounted Police detachment, etc.),	10	12	6.3	11
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	viii. Procedures for the maintenance and review of records of hazardous material consumption and incidents in order to anticipate and avoid impacts on human health and the environment,	10	12	11	28 to 29
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	ix. Plans for unused chemicals and/or reagents upon the completion of Project activities,	10	12	7.3.6	21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	x. Procedures to track and manage wastes generated through use of these products, including shipments of potentially hazardous waste to licensed disposal facilities, and	10	12	10, 11, 12	22 to 29
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.8 Hazardous Materials Management Plan	xi. A discussion on the waste management at the dock site including shipping waste generated on board and hazardous waste.	10	12	7.1, 7.3.5	11, 20 to 21

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Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.9 Incineration Management Plan	The Proponent shall develop an Incineration Management Plan which is consistent with the guidance provided in Environment Canada's (EC) Technical Document for Batch Waste Incineration (EC, 2010). The Plan shall include but not be limited to the following:	10	11	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.9 Incineration Management Plan	i. Standards/requirements for emissions from incinerator operation,	10	11	4, 6.1	2, 4
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.9 Incineration Management Plan	ii. Incineration technologies to be used, facilities and equipment to be used,	10	11	6, 7, 8	4 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.9 Incineration Management Plan	iii. Personnel training programs for incinerator management and operation, and	10	11	6.4, 6.5	4 to 6
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.9 Incineration Management Plan	iv. Collection and reporting of operational data and maintenance records.	10	11	8, 9, 10, 11, 12	8 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	The Proponent shall develop a Roads Management Plan for all access/service roads proposed in the Project areas. The Plan shall address construction, operations, temporary closure and final closure phases of the Project. In association with the Spill Contingency Plan and the Wildlife Mitigation and Monitoring Plan, this plan shall include:	10	14	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	i. Permitting regime and land tenure of all ground transportation as well as designations of accessibility to public,	10	14	1.2.1, 5	1, 13 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	ii. A discussion on how the selected route(s) may correspond to the needs of other developers and of Nunavummiut, paying particular mind to any public consultation undertaken with respect to the proposed routing, specifically as it may relate to traditional land or resource use,	10	14	1.2.1	1
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	iii. Construction details applicable to Transport Canada's Navigable Waters Protection Program which could include, but not be limited to, any works built or placed in, on, over, under, through or across a navigable waterway (i.e. bridges, booms, dams, and causeways).	10	14	4.1, 4.2	9 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	iv. Projected traffic volumes, including the types and numbers of vehicles to be used, fluctuations on a seasonal or annual basis, and measures to enforce speed limits,	10	14	1.2.2, 8	1, 17 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	v. Protocols for accidents, accidents causing injuries, vehicle malfunction and emergency protocols,	10	14	8	17 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	vi. Mitigation measures and protocols to be implemented during construction and operations to mitigate potential impacts to wildlife, including explicit thresholds for mitigation of potential wildlife interactions, collisions and follow-up procedures,	10	14	9, 10	21 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	vii. Measures for preventing the permafrost degradation during construction and operation of ground transportation,	10	14	4.2, 7.3	11 to 12, 16
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	viii. Operational procedures for daily operation and maintenance including dust suppression methods, snow removal, de-icing, snow drift/banks management,	10	14	7.1, 7.2	14 to 16
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	ix. Measures to control surface runoff during spring freshet and flooding during construction and operation phases,	10	14	4.2. 7.1	11 to 12, 14-18
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	x. Measures to control sedimentation during construction, maintenance and operation,	10	14	4.2.3	12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	xi. Safety procedures, emergency reporting and procedures for fuel/chemical spills, and other emergency events	10	14	8	17 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	xii. Plans for site reclamation, especially temporary construction camp and quarry sites which are used for extracting construction materials, disposal of construction waste materials and options of final closure and reclamation, and	10	14	12	22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.10 Roads Management Plan	xiii. A discussion of potential future uses (e.g. potential public use).	10	14	12	22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	The Proponent shall present a Shipping Management Plan for all Project-related shipping, in connection with the SOPEPs (Subsection 9.4.2), the Wildlife Mitigation and Monitoring Plan, and other related plans as applicable. This plan should include:	10	15	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	i. Applicable environmental legislation, regulations Acts and guidelines associated with shipping, including:	10	15	5, 7, Appendix A	9 to 11, 12 to 16, All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o International legislation, such as: MARPOL Convention, Protocols and Annexes as set out by the International Maritime Organization (IMO, 2008, MARPOL 73/78),	10	15	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o Canadian legislation, such as: Canada Shipping Act, Arctic Waters Pollution Prevention Act (e.g. Zone/Date System, Arctic Ice Regime Shipping System, Ice Navigators if applicable),	10	15	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o Construction details applicable to Transport Canada's Navigable Waters Protection Program which could include, but not be limited to, any works built or placed in, on, over, under, through or across a navigable waterway (i.e. bridges, booms, dams, and causeways), and	10	15	1.1, 7.2, Appendix A	1 to 2, 13 to 14, All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o How the Proponent and its shipping contractors/partners intend to either meet or exceed these requirements for both barging and deep sea shipping operations and for all marine shipping alternatives.	10	15	1.2, 7.0	2, 12 to 16

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Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	ii. A description of basic contingency planning associated with the marine transportation component of the project, particularly in relation to the movement of oil, explosives and other hazardous materials,	10	15	2, 7.4	6, 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	iii. Provide a hazard identification analysis of the barge and ship routes and a preliminary risk analysis of the marine routes under consideration, along with intended methods of mitigating marine transportation risks,	10	15	7	12 to 16
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	iv. A discussion of proposed safety measures,	10	15	7	12 to 16
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	v. A discussion of the challenges related to cleaning up fuel spills in the Arctic environment due to cold temperatures, presence of ice, darkness and remoteness,	10	5, 6	8.2.3 3.3.5	24 to 25 6 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	vi. Disposal plans and management for onboard waste including solid waste and sewage/grey water while docked at the dock facility and while in transit. Plans should include discussion on how the Proponent and its shipping contractors/partners intend to either meet or exceed legislation and/or other regulatory requirements,	10	15	1.3, 7.5	2 to 6, 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	vii. Ballast water management plan for all Project shipping, as applicable, with indication of the proposed ballast water exchange locations in mid-ocean, at the dock facility in Bathurst Inlet, and alternative exchange zones within waters under Canadian jurisdiction. Include associated implications for regulatory compliance (Government of Canada, 2006),	10	15	8, Appendix A	16, All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	viii. Proposed measures to eliminate or reduce the risk of invasive aquatic and non-aquatic species being introduced into Canadian waters as a result of shipping,	10	15	11	19 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	ix. A discussion of whether the shipping route or part of the proposed shipping route is a compulsory or non-compulsory pilotage area, and associated implications for regulatory compliance (Government of Canada, 2009) if applicable,	10	15	1.2	2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	x. Marine wildlife mitigation and onboard monitoring plans, including:	10	15	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o Applicable guidelines, monitoring protocols, and reporting/action procedures,	10	15	11.1	19
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o Measures to minimize the potential interactions between marine mammals and marine vessels, and	10	15	11.2	19
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	o A description of how interactions between marine mammals and shipping operations will be dealt with,	10	15	11.3	19 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	xi. Details regarding the proposed procedures for accident, malfunctions and incident management and reporting, including accidental spills of fuel and chemicals along the shipping routes, and from the accidental grounding/stranding of ships along the shipping routes. This should include a discussion of the preparedness of adequate resources to respond to a large fuel spill from a cargo vessel in transit, with reference to the SOPEPs,	10	15	9	16 to 18
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	xii. Measures to mitigate potential impacts to the safety of persons traveling in boats along Project shipping routes,	10	15	10	18 to 19
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	xiii. Measures to prevent the transportation of illicit substances via the marine shipment of project-related goods and supplies,	10	15	13	22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	xiv. Anticipated use of police services for offloading supplies and materials, including dangerous goods and explosives, and in the engagement of emergency/accident procedures,	10	15	7.1, 7.2, 7.3, 7.4, Appendix A	12 to 14, All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	xv. Identified third party liabilities, and	10	15	Appendix A	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.11 Shipping Management Plan	xvi. Measures intended to mitigate potential socio-economic impacts as results of shipping.	10	15	3	6 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	The Proponent shall develop a Borrow Pits and Quarry Management Plan which includes:	10	16	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	i. Regulations and guidelines to be complied with,	10	16	4	9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	ii. A description of how the Proponent will minimize the overall impact on surrounding environments by maximizing the use of existing pits and quarry sites to the extent possible, to minimize the number of opened pits, and minimizing haul distances and surface disturbance,	10	16	6	9 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	iii. Sediment, dust and erosion prevention and control measures,	10	16	6.3	11
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	iv. Results of ARD/ML potential testing for quarried materials and pit walls, and associated mitigation measures,	2 10	7 16	Appendix V2-7D (7.2.3) 3.4	72 6 to 7

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Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	v. Aggregate extraction and quarry methods, with associated mitigation measures for potential impacts on the environment, including archaeological,	10	16	3, 6	2 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	vi. Proposed methods for handling ice, with plans to manage water released by the thawing of permafrost and ground ice, and	10	16	6.4	11 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.12 Borrow Pits and Quarry Management Plan	vii. A progressive reclamation strategy and associated technologies.	10	16	3.6	7 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	The Proponent shall develop an Explosives Management Plan which provides information on explosives transport, storage and handling at the Project. This plan must discuss the following:	10	13	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	i. Applicable federal and territorial Regulations and Acts,	10	13	4	3 to 4
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	ii. Methods and procedures for the manufacture, transport, storage, handling, and use of explosives,	10	13	6.1, 6.2, 6.5, 6.6	4 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	iii. Details on the manufacture and storage facilities for Ammonium Nitrate and Fuel Oil (ANFO), including applicable guidelines, monitoring protocols, and reporting/action procedures,	10	13	6.1.1, 6.1.2, 9, 10	4 to 5, 19 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	iv. Best practices to minimise usage and loss rate,	10	13	8	18 to 19
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	v. Safe handling and spill containment prevention methods,	10	13	6.7, 6.8	14 to 17
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	vi. An evaluation of worst case scenarios (e.g. accidental explosion),	10	13	10.4	20 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	vii. Security measures to be implemented,	10	13	6.9	17
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	viii. Personnel training program, and	10	13	6.4	11 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.13 Explosives Management Plan	ix. An internal audit and inspection.	10	13	9.1	19 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.14 Air Quality Monitoring and Management Plan	The Proponent shall develop an Air Quality Monitoring and Management Plan in association with the baseline data collected and the impact assessment in Subsection 8.1.1. This plan must include the following key elements:	10	17	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.14 Air Quality Monitoring and Management Plan	i. A description of proposed air quality monitoring and related adaptive management measures for emissions related to the Project as described in Subsection 8.1.1.2, including thresholds for action and mitigation strategies,	10	17	4, 6, 7	2 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.14 Air Quality Monitoring and Management Plan	ii. An emissions reduction strategy, through which the Proponent would employ appropriate technologies and operating practices, in an effort to minimize emissions of air contaminants from all Project facilities including compliance with approved criteria, and reducing the production of GHGs and other emissions,	10	17	6.1	5 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.14 Air Quality Monitoring and Management Plan	iii. A dust reduction plan which addresses the use of dust suppression agents, procedures and applicable guidelines for all Project areas where fugitive dust is a concern for air quality and human health,	10	17	6.1	5 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.14 Air Quality Monitoring and Management Plan	iv. An incineration management plan, as described in Subsection 9.4.9, describing how emissions will be minimized and the Canada-wide Standards for Dioxins and the Furans and the Canada-wide Standards for Mercury emissions met, and	10	17	6.1	5 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.14 Air Quality Monitoring and Management Plan	v. Procedures for reporting of project emissions and monitoring results.	10	17	11	16 to 17
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	The Proponent shall develop a Noise Abatement Plan to provide information on monitoring and mitigating of noise impacts based on its impact assessment in Subsection 8.1.2. This plan must discuss:	10	18	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	i. Applicable standards, guidelines and regulations that will be incorporated to minimize and mitigate noise effects from the Project,	10	18	2	1
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	ii. An environmental noise follow-up monitoring program indicating location, duration, timing and type of noise monitoring to be conducted,	10	18	4	2 to 3
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	iii. A description of noise control methods based on the climatic conditions and available technologies to be employed should mitigation be required,	10	18	3, 4	1 to 3
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	iv. Measures and technologies to be adopted in the design and manufacturing of Project infrastructure and facilities to reduce noise,	10	18	3	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	v. A description of noise attenuation and minimization measures to be employed through choosing appropriate equipment, installation of noise silencing devices, scheduling of take-off and landing aircrafts, and blasting timing, and	10	18	3	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.15 Noise Abatement Plan	vi. Occupational related noise management programs.	10	18	3	1 to 2

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Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	The Proponent shall develop an Aquatic Effects Management Plan to provide information regarding proposed mitigation measures designed to protect and minimize the impacts on the aquatic system (freshwater and marine) from all project activities occurring in or near watercourses through all project phases, as well as those plans and programs designed to monitor potential effects to the aquatic system. This plan must include:	10	19	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	i. Applicable standards, guidelines and regulations,	10	19	4	2 to 3
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	ii. Erosion and sediment control measures for works in or near waterbodies and watercourses,	10	19	6.1.2	4 to 8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	iii. Measures to be applied to protect fish, aquatic biota, and the habitat of both during blasting in or near freshwater and marine environments,	10	19	6.1.3	8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	iv. A description of the fish-out program proposed for the removal of fish from the lakes that are proposed to be dewatered during construction of the mine and the tailings impoundment area,	10	19	6.1.4	8 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	v. Monitoring and reporting protocols as per the Environmental Effects Monitoring (EEM) program of the Metal Mining Effluent Regulations (EC, 2011),	10	19	7.2.4	22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	vi. A description of monitoring study design and field methods, including indicators to be measured, sampling frequency and methods, timing, spatial extent and Universal Transverse Mercator (UTM) coordinates of sampling locations for each aquatic sampling location, and	10	19	7	12 to 35
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.16 Aquatic Effects Management Plan	vii. A description of how indictors, sampling design, methodology and the analysis will be appropriate and adequate to detect spatial and temporal project related impacts on the aquatic ecosystem and provide statistically rigorous tests of impact prediction presented in the EIS.	10	19	7	12 to 35
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	The Proponent shall develop a Wildlife Mitigation and Monitoring Plan in consultation with Government of Nunavut-Department of Environment (GN-DOE), Fisheries and Oceans Canada (DFO), Environment Canada (EC), and other relevant agencies or organizations. This plan must include appropriate mitigation and monitoring for selected terrestrial and marine species, with consideration for potential impacts identified in the relevant subsections of the EIS. This plan is required to include the following:	10	20	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	i. A description of the LSA and the RSA for wildlife mitigation and monitoring programs,	10	20	7.1.4	49 to 50
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	ii. Selection criteria and rationales for wildlife species selected for monitoring and mitigation programs,	10	20	2, 3, 4, 6, 7.1	2 to 51
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	iii. A description of how TK collected by the Proponent has been integrated into baseline data collection, impact predictions and significance determinations, and the development of mitigation and monitoring programs,	10	20	1.1	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	iv. Details regarding plans for involvement of local hunters in wildlife baseline studies and monitoring program if applicable, including the mechanisms and resources allocated for local participation,	10	20	7.1.2	48
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	v. Plans for coordinating wildlife studies/monitoring activities with other organizations, institutions, government departments and/or individual researchers conducting wildlife studies in the RSA, to minimize the impacts on wildlife from studies/survey activities,	10	20	7.1	47 to 51
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	vi. A discussion of how terrestrial wildlife surveys, particularly low elevation caribou surveys, and monitoring protocols (including data confidentiality) will be designed to mitigate potential impacts on terrestrial mammals, in particular caribou,	10	20	7.3	77 to 112
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	vii. A description of monitoring study design and field methods, including indicators to be measured, sampling frequency and methods, timing, spatial extent, and Universal Transverse Mercator (UTM) coordinates of transect lines if applicable, for each wildlife species to be monitored,	10	20	7.2, 7.3	51 to 112
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	viii. A description of how indicators, sampling design, methodology and analysis will be appropriate and adequate to detect spatial and temporal project-related impacts on wildlife and provide statistically rigorous tests of impact predictions presented in the EIS,	10	20	7.2, 7.3	51 to 112
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	ix. Measures to be applied to avoid or reduce the disturbance, harassment, injury or mortality of marine mammals due to shipping activities,	10	15	11	19 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	x. Measures to be applied to avoid or reduce the disturbance, harassment, injury or mortality of terrestrial wildlife due to Project activities, including measures to prevent wildlife from entering pit areas and birds from landing on tailings impoundment area,	10	20	6	7 to 47

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9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xi. Measures to minimize noise disturbance to wildlife and hunters/travellers when conducting aerial wildlife surveys,	10	20	7.3	77 to 112
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xii. Procedures and structures designed to mitigate/manage potential impacts to wildlife and wildlife movement (e.g. caribou crossings and migration routes) during construction and operations,	10	20	6.2, 6.4	8 to 14, 17 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xiii. Plans to facilitate the safe passage of wildlife across the all-weather access road and associated mitigation measures to prevent collisions with wildlife,	10	20	6.2, 6.4	8 to 14, 17 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xiv. Plans and measures to avoid or reduce the potential for Project activities to act as an attractant to wildlife species and to avoid and reduce injury, illness or mortality of wildlife (including intentional killing of wildlife by mine personnel to defend human life or property),	10	20	6.3	14 to 17
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xv. A description of data analysis methods, triggers/thresholds for adaptive management plans, and proposed mitigation measures,	10	20	7.3	77 to 112
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xvi. A mechanism for the evaluation of effectiveness of mitigation measures,	10	20	9	113
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xvii. Quality assurance and quality control measures, and	10	20	13	114
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.17 Wildlife Mitigation and Monitoring Plan	xviii. Reporting and plan updating procedures.	10	20	11	113 to 114
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	The Proponent shall present a No Net Loss Plan (NNLP) to discuss measures to be implemented for off set of the loss of aquatic habitat due to Project activities and components. This plan should include the principle of No Net Loss for fish habitat as outlined in the Policy for the Management of Fish Habitat (DFO, 1986), and shall include, where appropriate, habitat replacement options and monitoring programs and off set plans as developed in consultation with DFO and KIA. The No Net Loss Plan shall discuss the following:	10	21	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	i. Requirements of related DFO policies,	10	21	1.1.1	6 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	ii. The estimate of total fish habitat loss and methods used for estimations,	10	21	2	7 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	iii. Plans to off-set losses to fish habitat in order to achieve “No Net Loss” of fish habitat productive capacity,	10	21	3	14 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	iv. Procedures and structures designed to mitigate/manage potential impacts to fish and fish habitat during construction and operation including fishout programs of any drained lakes,	6 7 10	6, 7 4, 5 21	6.5.3, 6.8, 7.5.3, 7.8 4.5.3, 4.8, 5.5.3, 5.8 3, 5, 9	6-61 to 6-70, 6-71 to 6-74, 7-46 to 7-56, 7-57 to 7-60 4-46 to 4-49, 4-52, 5-29 to 5-31, 5-34 to 5-37 14 to 20, 22 to 27, 69 to 70
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	v. Details regarding the proposed offsetting options, including locations and conceptual designs for implementation (e.g. rearing habitat, migration channels, etc.),	10	21	3	14 to 20
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	vi. A discussion on how TK was incorporated into the development of the No Net Loss Plan,	10	21	2.1.3	12 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	vii. A description of the location(s) of the tailings impoundment area and the fish habitat affected by the deposit,	10	21	4	20 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	viii. A description of the measures to be taken to mitigate any potential adverse effect on the fish habitat that could result from plan implementation,	10	21	3, 4	14 to 22
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	ix. A description of measures to be taken to monitor plan implementation,	10	21	5, 7.2.2, 7.5	22 to 27, 45 to 46, 65 to 66
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	x. A description of the measures to be taken to verify the extent to which the plan’s purpose has been achieved,	10	21	7.5	65 to 66
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	xi. A description of the time schedule for plan implementation, which shall provide for achievement of the purpose of the plan within a reasonable time, and	10	21	7.4.3, Table 7.4-1, 7.5	64-66
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.4 BIOPHYSICAL MANAGEMENT PLANS	9.4.18 No Net Loss Plan	xii. A description of the consultation efforts for the No Net Loss Plan for the tailings impoundment area, including KIA, DFO and other affected parties, including overall effort and opportunities for parties to provide options for offsetting predicted impacts to fish and fish habitat.	10	21	2	7 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS		The Proponent shall present plans, policies and programs to minimize potential negative socio- economic effects and to optimize the potential positive effects of the Project. Socio-economic management plans shall be developed and organized to correspond with the socio-economic impact assessment described in Section 8.2. Plans should reflect the complete life span of the Project, and contain appropriate monitoring and evaluation techniques (e.g. indicators) that will allow regulators to intervene in a timely and constructive manner.	10	23, 24, 26, 28	All	All

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Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS		The Proponent shall describe its socio-economic mitigation and monitoring plans and mitigation programs, including how they will identify, react and mitigate potentially adverse socio-economic impacts and augment positive socio-economic impacts.	8 10	3 23, 24, 26, 28	3.8, 3.9 All	3-124 to 3-139 All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS		In consultation with the Kitikmeot Socio-Economic Monitoring Committee (SEMC), the Proponent should clearly identify the role it will take in regional monitoring initiatives, including how its monitoring plans will align with those of the regional SEMC. The Proponent may also use experience from other projects or jurisdictions regarding the success of such mitigation measures as part of the Proponent's assessment of impacts and development of these plans.	10	23	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS		The Proponent shall outline how the predominant regional language/dialect in the RSA will be incorporated into each respective plan. The management plans shall include, but are not limited the following individual plans:	8	3	3.8	3-124 to 3-128
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.1 Business Development Plan	The Proponent shall provide a Business Development Plan that includes, but is not limited to:	10	24	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.1 Business Development Plan	i. Commitments (e.g., workforce percentage) and strategies for local/regional preferential hiring and contracting,	10	24	7.1	5 to 8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.1 Business Development Plan	ii. Strategies for building capacity for local businesses and entrepreneurs,	10	24	7.2	8 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.1 Business Development Plan	iii. Communication methods to share information on opportunities with local or regional businesses,	10	24 26	7.1 7.4	5 to 8 9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.1 Business Development Plan	iv. Community-based investment or initiatives that may lead to economic diversity, and	10	24	7.3	9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.1 Business Development Plan	v. A discussion on what efforts the Proponent will undertake to ensure project-specific benefits can remain in the Kitikmeot region and/or in Nunavut.	10	24	7.1	5 to 8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	The Proponent shall present an Occupational Health and Safety Plan focusing on the following elements in conjunction with its Spill Contingency Plan, Risk Management Plan, Noise Abatement Plan, and any other relevant plans:	10	25	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	i. An overview of the occupational health and safety program for the activities and works being proposed,	10	25	1	1 to 3
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	ii. Policies and guidelines regarding interaction with Nunavut's medical health system including the provision of relevant health and safety information regarding hazardous materials, including Material Safety Data Sheets to the appropriate health centers and any emergency response staff,	10	25	3.12	11
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	iii. Safety and management procedures related to hazardous chemical, physical, and biological agents and materials, including their manufacture, storage, use and disposal,	10	25	3.1	4 to 5
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	iv. Best safety practices and safety awareness programs,	10	25	3.7	8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	v. An overview of the workplace conditions, such as accommodation, food/nutrition, health and safety, alcohol/drug/smoking policies, and recreation,	10	25	3.13	11 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	vi. Employee involvement and related training programs for ensuring awareness of employee responsibilities in environmental and health and safety management, including roles pertaining to safety orientation, hazard analysis, first aid training, human-wildlife encounters and protocols to follow, etc.,	10	25	3.8	8 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	vii. Risk management and safety management details regarding the preparedness of mine safety equipment and devices,	10	25	3	4 to 14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	viii. Procedures for emergency incidence reporting and actions including procedures for medical transport of injured staff or persons, including transport from the location of the incident to help, ambulance or medical transportation onsite, and medevac to local health center, hospital, or referral south,	10	25	3.9, 3.11	9 to 11
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	ix. Details regarding workplace monitoring and control, and	10	25	3.1, 3.13	4 to 5, 11 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.2 Occupational Health and Safety Plan	x. First aid training and occupational medical surveillance.	10	25	3.12	11

Table V1-1A. Table of Conformity

Guidelines Section							
Part	Section	Subsection	Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	The Proponent shall present a Community Involvement Plan which discusses the following:	10	26	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	i. Provision of a clear definition of public and community for the purposes of the Community Involvement Plan,	10	26	7	5 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	ii. Mechanisms for providing information to the public and potentially affected communities regarding regular updates of Project's progress, initiatives and future work plans (e.g. training opportunities, hiring information, etc.),	10	26	7.1, 7.2	5 to 8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	iii. Plans and procedures for communicating with the public and Project employees during any temporary closure or slowdown periods,	10	26	7.1	5 to 7
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	iv. Methods and procedures for establishing effective two-way communications for collecting and addressing public concerns,	10	26	7.3	8 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	v. Methods to evaluate public engagement efforts in order to identify the effectiveness of the plan,	10	26	7.3	8 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	vi. Measures to assist communities with addressing potential social needs and problems related to the Project, including proposed counselling services for employees and their families regarding matters such as substance abuse, work-related stress management, family support, etc.,	10	26	7.4	9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	vii. An approach to promoting the participation of Nunavummiut in project employment, including any preferential recruitment policies or practices,	10	26	7.4	9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	viii. Plans for promoting local contracting opportunities and purchasing of local products (e.g. country foods),	10	26	7.4	9 to 10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	ix. A discussion of how input from communities has influenced the design and implementation of monitoring plans and initiatives,	10	26	7.2	7 to 8
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	x. A discussion of communications procedures for the Proponent and members of affected communities to disseminate Project monitoring results and Project information on social, cultural, and ecological conditions, and	10	26	7.5	10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.3 Community Involvement Plan	xi. A discussion of procedures for community-based monitoring of social, cultural, and ecological conditions to determine if, when, and how the Project contributes to community sustainable development.	10	26	7.5	10
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.4 Cultural and Heritage Resources Protection Plan	The Proponent shall, in consultation with the Government of Nunavut-Department of Culture and Heritage, present a Cultural and Heritage Resources Protection Plan which includes the following:	10	27	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.4 Cultural and Heritage Resources Protection Plan	i. Applicable regulations and guidelines for management of potential impacts to identified cultural and heritage resources,	10	27	2	1
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.4 Cultural and Heritage Resources Protection Plan	ii. Results of archaeological investigations and studies,	10	27	1, 3, 8	1 to 2, 6 to 12
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.4 Cultural and Heritage Resources Protection Plan	iii. Inventory of known archaeological resources in Project areas,	8 10	1 27	1.5 3	1-15 to 1-29 1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.4 Cultural and Heritage Resources Protection Plan	iv. A discussion of how the results from the Proponent's impact assessment have been considered and incorporated into the plan, and	10	27	3	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.4 Cultural and Heritage Resources Protection Plan	v. General and site-specific measures for the protection of archaeological sites and mitigation of potential adverse impacts.	10	27	3, 4	1 to 2
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	The Proponent shall develop a Human Resource Plan, consulting with relevant GN departments where applicable, which includes the following:	10	28	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	i. Applicable human resources legislation, the Proponent's understanding of labour standards practices and how the Proponent will meet the requirements developing employment policies and the Proponent's policies on compensation and benefit programs (e.g. health care plan, insurance, vacation/maternity leave, etc.),	10	28	3, 7.1	2 to 7, 9 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	ii. Recruitment strategies with communities that includes regular information updates regarding employment/training opportunities, hiring plans and time schedules, etc.,	10	28	7.2	13 to 15
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	iii. A strategy discussing steps to reduce labour force entry barriers and improvement to employee retention,	10	28	3.1, 7.1	2 to 6, 9 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	iv. Any plans for training programs designed to assist the local labour force with potential employment at the mine (e.g. partnerships with local schools and other educational institutions, on-the-job learning, and apprenticeships),	10	28	7.3	15 to 18
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	v. Education and Orientation Plan to assist employees to understand their responsibilities in environmental protection and health and safety management, and to provide cultural and financial management training,	10	28	7.1	9 to 13

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	vi. Worker rotation and pay schedules, health and safety programs, preferential recruitment policy, gender equality, skills and entry requirements, training, career development, and counselling programs available for employees,	10	28	7	9 to 18
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	vii. A discussion of how the planned work schedules that are adapted to traditional activities, whether the Proponent will provide no-cost commuting to allow workers to continue to live in their own communities and to participate in their traditional economic and cultural activities,	10	28	7.1	9 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	viii. Policies regarding onsite public safety and wellbeing, cross-cultural orientation, firearms control, sexual and gender harassment, alcohol and drug control measures, reporting of incidents involving drugs/alcohol, smoking policies, gambling activities, and supply of country food to Inuit workers at the mine site.,	10	28	3.1, 7.1	2 to 6, 9 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	ix. Details on any priorities for Inuit, northerners, etc. or other staffing measures targeting categories of individuals,	10	28	3.1, 7.2	2 to 6, 13 to 15
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	x. Recognition and management plans regarding the rights and needs of hunting activities and traveling through Project areas by the residents from adjacent communities,	10	28	3.1	2 to 6
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	xi. Strategies for communicating relevant information of IIBA terms and conditions to employees,	10	28	7.1	9 to 13
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	xii. Policies and regulations regarding hunting and fishing by non-Inuit employees, while respecting the rights and needs of Inuit employees to harvest and pursue traditional activities, with a discussion of how such policies or regulations were designed to manage potential impacts to fisheries or wildlife resources,	10	28	3.1	2 to 6
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	xiii. A discussion of any proposed policies or regulations regarding the prohibition of recreational hunting, fishing and other related activities by employees at specific locations and timing in Project area, and	10	28	3.1	2 to 6
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.5 SOCIO-ECONOMIC MANAGEMENT PLANS	9.5.5 Human Resources Plan	xiv. Skill transferability training and employment counselling upon mine closure and during temporary mine closures.	10	28	7.3	15 to 18
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		The Proponent shall develop a preliminary Mine Closure and Reclamation Plan for the Project which outlines how the various components set out in Section 6.0 will be decommissioned, reclaimed and closed following mine closure. The plan can be preliminary with key issues addressed for the environmental assessment in the NIRB's review, with the following requirements:	10	29	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		i. To ensure that issues associated with the effective closure and reclamation of all Project components are considered at the earliest possible stage in the mine development process, thereby influencing mine design to take into account environmental issues related to mine closure and reclamation.	10	29	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		ii. To establish goals and final land use objectives for reclamation of lands potentially affected by the Project,	10	29	1.7	7 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		iii. A description of reclamation methods, time frames and schedules, including proposed progressive reclamation, research programs, and notice periods to employees and public,	10	29	4, 5	17 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		iv. A description of temporary closure measures and a discussion of at what point a temporary closure should be considered permanent for the purposes of requiring implementation of the Mine Closure and Reclamation Plan,	10	29	3, 3.1	14
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		v. A discussion of research programs to address challenges to reclamation, given the local conditions,	10	29	4.2	17 to 19
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		vi. Considerations for the protection of public health and safety,	10	29	1.7, 3, 4, 5	7 to 9, 14 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		vii. A description of the estimated contaminant and other material (physical and chemical) levels in the environment after mine closure and remediation,	10	29	5	20 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		viii. A description of closure and post-closure monitoring of environmental components including, but not limited to, wildlife, vegetation, air quality, landform stability and water quality,	10	29	6	27 to 29
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		ix. A discussion on the long-term monitoring and maintenance that may be required once physical and chemical stability of reclaimed areas have been established,	10	29	5, 6	20 to 29
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		x. A discussion on reduction or elimination of environmental effects once the mine ceases operation,	10	29	5	20 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		xi. A discussion regarding re-establishing conditions that permit the land to return to a similar pre-mining land use,	10	29	5	20 to 27
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		xii. Considerations for ARD and/or ML potential of rocks and tailings, in association with related waste rock and tailings management strategies,	2 10	7 3 29	Appendix V2-7D 4.2 2.2	All 17 to 27 10 to 11
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		xiii. Any considerations for the restoration of the natural aesthetics of the Project, and	10	29	1.7, 5	7 to 9, 20 to 27

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN		xiv. The Plan is to be considered a "living" document, the level of detail should undergo further revision to reflect the progress of the Project as well as changes in technology and/or standards or legislation. This plan should include the establishment of thresholds and identified adaptive management responses should such thresholds be reached. Future revisions should also consider input from consultations with communities and other stakeholders on methods to be used, and potential uses for project infrastructure, etc.	10	29	1.7, 1.8	7 to 9
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.6 MINE CLOSURE AND RECLAMATION PLAN	9.6.1 Care and Maintenance Plan	A preliminary Care and Maintenance Plan shall be developed for the Project in conjunction with the Mine Closure and Reclamation Plan which outlines how the various components set out in Section 6.0 will be treated in the event of a temporary closure or un-timely closure of the project. The plan can be preliminary with key issues addressed for the environmental assessment in the NIRB's review and should include a discussion on the items listed in Section 9.6.	10	29	3	14 to 17
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		A follow-up plan is a formal, ongoing process to verify the accuracy of the environmental impact predicted in the environmental assessment and permitting stage of the Project, and to determine the effectiveness of proposed mitigation measures. If either of these two steps identifies unusual and unforeseen adverse environmental effects, then the existing mitigation measures must be adjusted, or if necessary, an adaptive management plan with new mitigation or compensation measures must be developed. Adaptive management planning is particularly important for the areas where scientific uncertainty exists in the prediction of adverse effects. In order to offset the likelihood of mitigation failure and the potential severity of the consequences, the Proponent shall formulate a process through which the information related to effectiveness of mitigation measures is analyzed and associated adaptive measures would be employed in the environmental management system:	-	-	-	-
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		i. The need for such a follow-up and adaptive management plan and its objectives,	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		ii. How this plan will be structured including responses to any enforcement action or penalties for non- compliance,	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		iii. Which elements of the monitoring program described in Section 9.3, would be incorporated,	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		iv. The mechanisms, through which monitoring results will be analysed, and if necessary, adjusted mitigation measures or adaptive management plan will be employed. In addition, how the effectiveness of the new mitigation measure will be assessed and verified,	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		v. The roles to be played by the Proponent, regulatory agencies, and others in such a plan, and possible involvement of independent researchers,	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		vi. The sources of funding for the plan and reporting,	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		vii. How an increased and perhaps unforeseen cost associated in a plan would be managed in implementing such measures, and	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.7 FOLLOW-UP AND ADAPTIVE MANAGEMENT PLANS		viii. The quantitative triggers or thresholds that will indicate the need to alter or vary the management plan or mitigation measures.	10	1	13	13 to 21
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.8 SIGNIFICANCE OF RESIDUAL IMPACTS		After having established the mitigation measures, the EIS shall present the residual effects assessment of the Project on the components of the biophysical and human environments, so that the reader can clearly understand the real consequences of the Project, the degree of mitigation of the effects and which effects cannot be mitigated or compensated for.	1 4 5 6 7 8	6, 8 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	All	All
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.8 SIGNIFICANCE OF RESIDUAL IMPACTS		The Proponent should include a summary table in this section of its EIS, which presents the effects before and after mitigation on the various components of the environment, the mitigation measures applied and the residual effects have been assessed.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7, X.8, X.9, X.10	1-15 to 1-33, 2-11 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-69, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-41 to 1-57, 4-26 to 4-64, 5-14 to 5-42, 6-44 to 6-74, 7-34 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-15 to 1-31, 3-42 to 3-130, 4-33 to 4-85, 5-23 to 5-62

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Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
9.0 ENVIRONMENTAL MANAGEMENT SYSTEM	9.8 SIGNIFICANCE OF RESIDUAL IMPACTS		The determination of significance of residual impact shall take into account the attributes of each impact in accordance with the criteria established in Section 7.14.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7, X.10	1-15 to 1-31, 1-33, 2-11 to 2-25, 2-27 4-26 to 4-62, 4-65, 5-131 to 5-242, 5-249, 6-37 to 6-82, 6-90, 7-18 to 7-63, 7-69, 8-32 to 8-94, 8-100, 9-30 to 9-58, 9-63, 10-22 to 10-54, 10-58 1-41 to 1-56, 1-57, 4-26 to 4-59, 4-63, 6-44 to 6-71, 6-74, 7-34 to 7-57, 7-61 2-16 to 2-41, 2-45, 3-12 to 3-33, 3-36, 4-40 to 4-52, 4-54, 5-22 to 5-34, 5-37, 6-20 to 6-50, 6-55, 7-15 to 7-37, 7-42 1-15 to 1-29, 1-31, 3-42 to 3-124, 3-130, 4-33 to 4-82, 4-85, 5-23 to 5-61, 5-62
10.0 CONCLUSION			The EIS should end with a conclusion presenting a summary analysis of the overall projected biophysical and socio-economic impacts, anticipated transboundary and cumulative effects, proposed mitigation measures, and residual impacts. While highlighting the impacts in the Kitikmeot Region, this conclusion should clearly present the importance of the EIS findings to the NSA and Canada.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7, X.8, X.9, X.10	1-15 to 1-33, 2-11 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-69, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-41 to 1-57, 4-26 to 4-64, 5-14 to 5-42, 6-44 to 6-74, 7-34 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-15 to 1-31, 3-42 to 3-130, 4-33 to 4-85, 5-23 to 5-62
11.0 LIST OF CONSULTANTS AND ORGANIZATIONS			The Proponent shall prepare a list of all the consultants who contributed to the preparation of the EIS, including the role of each and contact information in an appendix to the EIS. In addition, the Proponent shall prepare a list of organizations consulted in preparing this EIS where such consultations provided materials as included as supporting documentation or evidence within the EIS, including the time, place, and purpose of the consultation, reference materials provided, and contact information for the organization.	1 3	Appendix V1-4 1, 2	All Appendices V3-1A, V3-1B, V3-1C, V3-1E, V3-2A	All All, All, All, All, All
APPENDIX A: NUNAVUT IMPACT REVIEW BOARD'S 10 MINIMUM EIS REQUIREMENTS			The following are the minimum required elements for an Environmental Impact Statement required under a Part 5 Review:	-	-	-	-
			1. Statement of Consultation Principles and Practices	-	-	-	-
			The Proponent must conduct pre-Project consultations with locally affected persons. Where at all possible, information about the Project must be distributed, and comments collected with a view to resolving any differences. Discussions should include, but not be limited to, land uses, policies, resource uses, Archaeological areas, infrastructure, and terrain sensitivities. Aboriginal cultural concerns must be highlighted throughout. The Proponent shall explain where, how, why, and with whom it conducted public consultation, and shall demonstrate an understanding of the rights, interests, values, aspirations, and concerns of the potentially affected communities. All comments from the public must be summarized, documented, and presented in the EIS.	3	1	All, Appendices V3-1A, V3-1B, V3-1C, V3-1D, V3-1E, V3-1F, V3-1G	All, All, All, All, All, All, All, All
			2. Definition of Project	-	-	-	-
			A definition of the Project must include a discussion of any connected or subsequently related projects in order to reveal the primary purpose and better understand complex or multi-staged related proposals.	2	1, 2, 3	All	All
			3. Statement of Project's Purpose	-	-	-	-
			Based on the concepts of the Precautionary Principle and Sustainable Development, an EIS must contain a statement explaining the need for, and the purpose of the Project. Where further economic development is needed for a given area, the Board expects the deficiencies in the economic status quo to be stated.	2	1	2.4.1	2-2
			4. Anticipated Impacts Analysis	-	-	-	-
			A comprehensive impact assessment must be carried out which includes, but is not limited to, environmental effects that are likely to result from the Project in combination with other projects or activities that have been, or will be, carried out. Anticipated impacts include short and long- term, direct and indirect, positive and negative, cumulative, socio-economic, archaeological and cultural impacts. This element of the EIS must include a mitigation analysis that explains how the impacts could be avoided, minimized, cured, eliminated, or compensated.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.5, X.6, X.7, X.8, X.9, X.10	1-15 to 1-33, 2-11 to 2-27 4-26 to 4-65, 5-131 to 5-249, 6-37 to 6-90, 7-18 to 7-69, 8-32 to 8-100, 9-30 to 9-63, 10-22 to 10-58 1-41 to 1-57, 4-26 to 4-64, 5-14 to 5-42, 6-44 to 6-74, 7-34 to 7-61 2-16 to 2-45, 3-12 to 3-36, 4-40 to 4-54, 5-22 to 5-37, 6-20 to 6-55, 7-15 to 7-42 1-15 to 1-31, 3-42 to 3-130, 4-33 to 4-85, 5-23 to 5-62
			5. Cumulative Effects Analysis (CEA)	-	-	-	-
			Cumulative Effects must be analyzed for all Part 5 Reviews. A project proposal causes a Cumulative Effect if, when added to other projects in the region, or projects reasonably foreseeable in the region, will cause an additive effect. A comprehensive examination of all Cumulative Effects must be included in an EIS.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.6	1-29 to 1-31, 2-23 to 2-25 4-55 to 4-62, 5-197 to 5-242, 6-69 to 6-82, 7-50 to 7-63, 8-70 to 8-94, 9-55 to 9-58, 10-51 to 10-54 1-55 to 1-56, 4-57 to 4-59, 5-37 to 5-38, 6-70, 7-56 to 7-57 2-39 to 2-41, 3-30 to 3-32, 4-50 to 4-52, 5-232 to 5-34, 6-35 to 6-39 to 6-48, 7-36 1-29, 3-104 to 3-120, 4-60 to 4-78, 5-61
			6. Significant Effects Analysis	-	-	-	-
			The Board must be advised of the significant impacts of the Project. This should be based upon:	-	-	-	-
			a. the Project setting, taking into account the location's unique exosystemic characteristics, and	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.1	1-1 to 1-10, 2-1 to 2-6 4-1 to 4-18, 5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15 1-1 to 1-29, 4-1 to 4-23, 5-1 to 5-12, 6-1 to 6-35, 7-1 to 7-25 1-1 to 1-31, 2-1 to 2-14, 3-1 to 3-10, 4-1 to 4-30, 5-1 to 5-11, 6-1 to 6-15, 7-1 to 7-9 1-1 to 1-11, 3-1 to 3-25, 4-1 to 4-21, 5-1 to 5-15

Table V1-1A. Table of Conformity

Guidelines Section			Guidelines Text	FEIS Volume	FEIS Chapter	FEIS Section	Page Numbers
Part	Section	Subsection					
			b the severity of the impacts, taking into account, but not limited to public health, land use plans, protected areas, habitat, or species, public concern, etc.	3 4 5 6 7 8	1, 3 1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	1.6.2, 3.3 X.5.4, X.5.5 X.5.4, X.5.5 X.5.4, X.5.5 X.5.4, X.5.5 X.5.4, X.5.5	1-37 to 1-38, 3-50 to 3-53 1-28 to 1-29, 2-22 to 2-23 4-32 to 4-55, 5-191 to 5-197, 6-64 to 6-69, 7-46 to 7-50, 8-65 to 8-70, 9-54 to 9-55, 10-48 to 10-51 1-46 to 1-55, 4-45 to 4-57, 5-31 to 5-37, 6-70 2-33 to 2-39, 3-27 to 3-30, 4-49 to 4-50, 5-31 to 5-32, 6-38 to 6-39, 7-36 1-26 to 1-29, 3-95 to 3-101, 4-55 to 4-60, 5-20 to 5-61
			Ultimately, the Board will decide which effects are significant and report to the Minister accordingly.	Noted	-	-	-
			7. Project Alternatives	-	-	-	-
			This requirement includes, but goes well beyond, alternative means of carrying out the Project that might be economically and technically feasible and the environmental effects of those alternative means. This assessment must include the "no-go" or "no-build" alternative, as well as the "preferred" alternative. The "no-go" alternative is not only a potentially stand-alone option, it also serves as a baseline for comparison with other development alternatives that might reasonably be proposed in the circumstances. Environment Canada's Guidelines for the Assessment of Alternatives for Mine Waste Disposal (EC, 2011) may also be used by the Proponent in their assessment.	2	4	4	4-1 to 4-30
			8. Sustainability Analysis	-	-	-	-
			The EIS must contain an analysis of the ability of renewable resources affected by the Project to sustain current and future generations in Nunavut and Canada.	9 10	1 1	1.2.4 3	1-18 to 1-35 3-25
			9. Monitoring or Post-Project Analysis (PPA)	-	-	-	-
			The purposes of a PPA are to:	-	-	-	-
			a. measure the relevant effects of projects on the ecosystemic and socio-economic environments of the Nunavut Settlement Area,	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.9	1-33, 2-26 to 2-27 4-63 to 4-65, 5-246 to 5-249, 6-86 to 6-90, 7-68 to 7-69, 8-98 to 8-100, 9-62 to 9-63, 10-56 to 10-58 1-57, 4-62 to 4-63, 5-41 to 5-42, 6-74, 7-60 to 7-61 2-45, 3-36, 4-54, 5-37, 6-53 to 6-55, 7-40 to 7-42 1-30 to 1-31, 3-128, 4-84 to 4-85, 5-61
			b. determine whether and to what extent the land or resource use in question is carried out within the predetermined terms and conditions,	10	23	3.2	3
			c. provide the information base necessary for agencies to enforce terms and conditions of land or resource use approvals, and	10	23	3.2	3
			d. assess the accuracy of the predictions contained in the project impact statements.	4 5 6 7 8 10	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5 1	X.9 X.9 X.9 X.9 X.9 13	1-33, 2-26 to 2-27 4-63 to 4-65, 5-246 to 5-249, 6-86 to 6-90, 7-68 to 7-69, 8-98 to 8-100, 9-62 to 9-63, 10-56 to 10-58 1-57, 4-62 to 4-63, 5-41 to 5-42, 6-74, 7-60 to 7-61 2-45, 3-36, 4-54, 5-37, 6-53 to 6-55, 7-40 to 7-42 1-30 to 1-31, 3-128, 4-84 to 4-85, 5-61 15 to 20
			10. Transboundary Effects Analysis	-	-	-	-
			Where relevant, an EIS must include an assessment of all significant adverse ecosystemic or socio-economic transboundary effects.	4 5 6 7 8	1, 2 4, 5, 6, 7, 8, 9, 10 1, 4, 5, 6, 7 2, 3, 4, 5, 6, 7 1, 3, 4, 5	X.7	1-31, 2-25 4-62, 5-242, 6-82, 7-63, 8-94, 9-58, 10-54 1-56, 4-59, 5-38, 6-70 to 6-71, 7-57 2-41, 3-32, 4-52, 5-34, 6-48, 7-37 1-29, 3-120 to 3-124, 4-78 to 4-82, 5-61

Table V1-1B. Table of Commitments

Sabina
GOLD & SILVER CORP.

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 1	AANDC	-	-	AANDC-1	-	-	Sabina commits to updating the alternatives assessment to include a more explicit analysis of alternatives and evaluation criteria in the FEIS.	2	4	4.1, Appendix V2-4A, Appendix V2-4C	4-1 to 4-3, All, All
COM 2	AANDC	AANDC-8	-	-	-	-	Sabina commits to clarify the elevation and location of underground access, and any potential risk of flooding shall be addressed in the FEIS.	2	7	7.2.5.1	7-20
COM 3	AANDC	AANDC-10	-	-	-	-	Sabina commits to providing details of dust suppressants and dust suppression methods for underground and aboveground facilities in the FEIS.	2	7	7.2.9	7-30
COM 4	AANDC	AANDC-11	-	-	-	-	For the FEIS, Sabina commits to providing details on any potential design changes resulting from additional years of available earthquake data.	2	6 7	6.6.13.3 Appendix V2-7C (2.4), Appendix V2-7G (Appendix F)	6-34to 6-38 4 to 5, All
COM 5	AANDC	AANDC-12	-	-	-	-	For the FEIS, Sabina commits to providing details on schedules and volumes of materials and updated information resulting from the optimization of facility and infrastructure configuration.	2	6	6.4.5, Appendix V2-6A	6-8 to 6-11, All
COM 6	AANDC	-	-	AANDC-15	-	-	Sabina commits to providing more details on the sewage effluent management strategy in the FEIS.	2 10	6, 7 7	6.4.13, 6.6.8.1, Appendix V2-7H 3.3	6-13, 6-29 to 6-30, All 13 to 14
COM 7	AANDC	-	-	AANDC-20	-	-	Sabina commits to providing additional information on the TIA freeboard and the potential for overtopping the tailings storage embankment during operations. This work, which will be done in accordance with the Canadian Dam Association Guidelines will be presented in the FEIS.	2	7	Appendix V2-7G (4.8, 4.10, Appendix D)	16 to 17, All
COM 8	AANDC	AANDC-48	-	-	-	-	Sabina commits to providing a more detailed estimation of waste generation quantities and facilities design in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 9	AANDC	AANDC-49	-	-	-	-	Sabina commits to providing a more detailed estimation of waste generation quantities and facilities design in the FEIS.	10	12	Table 8-1	23 to 27
COM 10	AANDC	AANDC-50	-	-	-	-	Sabina commits to providing a list of expected hazardous materials in the FEIS.	10	12	12.6.1, 8	29, 22
COM 11	AANDC	-	AANDC-61	-	-	-	New information obtained through ongoing community consultations will be integrated for the final alternatives assessment presented in Sabina's FEIS.	3 2	1 4	1.6 4.1.5, 4.1.6, Appendix V2-4A, Appendix V2-4C	1-36 to 1-48 4-2 to 4-3, All, All
COM 12	AANDC	-	AANDC-61	-	-	-	Sabina commits to providing minutes from post-DEIS submission meetings and information from the final TK Workshop Report into the FEIS.	3	1, 3	Appendix V3-1C, 3.1.1, Table 3.1-1, Appendix V3-3B	All, 3-1, 3-3 to 3-42, All
COM 13	EC	EC-2	-	-	-	-	Sabina commits to providing incinerator vendor specifications in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 14	EC	-	-	EC-15	-	-	Sabina commits to providing details on landfill design and seepage management in the FEIS.	10	7 10	3.4.5 7.3.1, 7.3.2	19 10 to 11
COM 15	EC	-	-	EC-17	-	-	Sabina commits to discussing the requirements for the management of landfarms and wastewater treatment in the FEIS.	10	7	3.3.2, 3.4.2	13, 17
COM 16	EC	-	EC-18	-	-	-	Sabina commits to revise the Volume 2 section titled "Design of Impoundment / Retention Structures for Seepage and Runoff Control" to further include design details for water management structures used for seepage and runoff control from the open pits.	2	7	7.2.4.4, Appendix V2-7I (Appendix A)	7-19 to 7-20, All
COM 17	EC	EC-19	-	-	-	-	As engineering design progresses and ongoing characterization information is available, the balance of suitable quarry material and required volumes will be assessed. Sabina commits to providing these estimates in the FEIS.	2 10	6 16	6.6.4 3.2	6-24 to 6-25 3
COM 18	EC	-	-	EC-20	-	-	Sabina commits to providing details on stockpile design, foundation requirements and runoff management with the FEIS.	2	7	7.2.8, Appendix V2-7I	7-28 to 7-29, All
COM 19	EC	EC-21	-	-	-	-	The method for assessing alternatives within the Project has included consideration of technical feasibility, cost implications, potential environmental impacts, and amenability to reclamation. Community acceptability or preference and socio-economic effects were not provided. Sabina commits to including additional information on these aspects in the FEIS alternatives assessment.	2 3	4 1	4, Appendix V2-4A, Appendix V2-4C 1.6	All, All, All 1-36 to 1-48
COM 20	EC	-	-	EC-22	-	-	Sabina commits to providing clarification on the transition of the TIA from operations to closure in the FEIS.	2 10	7 29	Appendix V2-7G, Appendix V2-7I 5.6	All, All 23 to 24
COM 21	EC	-	-	EC-23	-	-	Sabina commits to providing the rationale and design criteria for the TIA including ice entrainment. This information will be provided in the FEIS.	2	6, 7	6.6.13.3, Appendix V2-7G (4.3, 4.10)	6-34 to 6-38, 15 to 17
COM 22	EC	EC-26	-	-	-	-	Sabina commits to investigate and provide adequate details on potential seepage rates from the TIA. Further Sabina will provide design information on any required seepage collection system in the FEIS.	2 10	7 22	Appendix V2-7G (5.13, 5.14), Appendix V2-7H 3.2.3, 6.1	26, All 9, 15
COM 23	EC	-	-	EC-34	-	-	In the FEIS, Sabina commits to including anticipated locations and volumes for the: TIA, WMF, treated sewage, collection ponds, on-land discharges, and any other potential discharges. Plans will be made to minimize the number of discharge locations on site.	2	7	Appendix V2-7H (Appendix B), Appendix V2-7I (Figures 6 to 12)	All, All
COM 24	GN	GN-12	-	-	-	-	Sabina commits to removing reference to a hard-surface airstrip in the FEIS.	2	6, 8	6.3.1.1, 8.10	6-2 to 6-3, 8-6 to 8-7
COM 25	GN	-	GN-20	-	-	-	For the FEIS, Sabina commits to detailing whether bulk fuel storage will include overwintering of fuel vessels in sea ice.	2	4	4.3.9	4-27 to 4-28
COM 26	KIA	-	-	KIA-CR-7	-	-	Sabina commits to optimizing the location and design of the TIA based on an alternatives assessment founded on environmental, technical, and economic reasons. In addition Sabina commits to providing a detailed summary of the overburden and permafrost conditions for the TIA foundation with sufficient detail to justify and support the design. This information will be provided in the FEIS.	2	4, 6, 7	Appendix V2-4A, 6.6.13, Appendix V2-7G	All, 6-33 to 6-40, All
COM 27	KIA	KIA-62	-	-	-	-	As engineering design progresses and ongoing characterization information is available, the balance of suitable quarry material and required volumes will be assessed. Sabina commits to providing this updated information in the FEIS.	2 10	6 16	6.6.4 3.2	6-24 to 6-25 3
COM 28	KIA	KIA-63	-	-	-	-	Winter road design, construction, and operation will be informed by extensive expertise from other winter roads in the area, specifically the Tibbitt-Contwoyto Winter Road. Sabina commits to provide details in the FEIS.	2	6	6.5.2	6-16 to 6-17
COM 29	KIA	-	KIA-77	-	-	-	Sabina commits to assessing options for subaqueous storage of PAG/ML waste rock for the FS. Results will be captured in the FEIS.	10	9	3.7	8 to 10
COM 30	KIA	-	KIA-92	-	-	-	Sabina commits to including design criteria for all water management facilities in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 31	KIA	KIA-103	-	-	-	-	Sabina commits to update Volume 2, Table 6.4-3 (Proposed Bulk Fuel Storage Pooling Water Discharge Criteria) to provide the correct value for lead discharge (0.2 mg/L).	2	6	Table 6.4-5	6-11

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 32	KIA	KIA-106	-	-	-	-	Sabina commits to update Volume 2, Table 6.6-7 (Proposed Landfarm Pooling Water Quality Discharge Criteria) and Table 6.7-6 (Proposed Landfarm Pooling Water Quality Discharge Criteria) to reflect the incorrectly transcribed values for lead and ethylbenzene. This will be addressed in the FEIS.	2	6	Table 6.4-7, Table 6.6-9	6-14, 6-31
COM 33	NRCAN	NRCan-3	-	-	-	-	In the FEIS, Sabina commits to revising the statement found in Volume 2, Section 7 to read as follows: "Overburden includes a number of glacial deposits consisting predominantly of till. Occasional esker deposits of sand and gravel form long ridges of stratified sand and gravel that can reach hundreds of kilometres in length."	2	7	7.1.5	7-10
COM 34	TC	-	TC-10	-	-	-	Sabina commits to amend the text in Volume 2, Section 6.3.3.2 "Shipping" to include the Transportation of Dangerous Goods Act, 1992.	2	6	6.3.3.2	6-4 to 6-5
COM 35	AANDC	-	-	AANDC-14	-	-	Sabina commits to including the findings of the TK workshop report in the FEIS, including any information available on drinking water sources. Sabina also commits to including this additional information in our assessment for the project.	6	4	4.2	4-23 to 4-25
COM 36	AANDC	-	AANDC-25	-	-	-	For the FEIS, Sabina commits to provide updated information on drinking water sources in the Project area derived from the 2014 TK report prepared by the KIA.	6	4	4.2	4-23 to 4-25
COM 37	AANDC	-	-	AANDC-28	-	-	Sabina commits to providing access to all primary documents used during public consultation in the FEIS.	3	1	1.5.3	1-20 to 1-35
COM 38	AANDC	-	-	AANDC-30	-	-	The results of the TK workshop report will also be integrated into Sabina's FEIS submission.	3	3	3.1.1, Table 3.1-1, Appendix V3-3B	3-1, 3-3 to 3-42, All
COM 39	AANDC	-	AANDC-62	-	-	-	Sabina commits to providing minutes from post-DEIS submission meetings and information from a final TK workshop report into the FEIS.	3	1, 3	Appendix V3-1C, 3.1.1, Table 3.1-1, Appendix V3-3B	All, 3-1, 3-3 to 3-42, All
COM 40	KIA	-	-	KIA-CR-13	-	-	Sabina commits to revising the TK section of Volume 6, Chapter 4 in the FEIS to more accurately reflect the application of TK.	6	4	4.2.1, 4.2.4	4-24, 4-24 to 4-25
COM 41	KIA	-	KIA-110	-	-	-	On the topic of traditional drinking water sources, Sabina commits that the statement about direct incorporation of TK into the existing environment and baseline information (Volume 6, Chapter 4, Sect. 4.2.4) will be removed from the FEIS unless direct information becomes available from the KIA's Phase 2 TK Report.	6	3, 4	3.2.2, 4.2.1, 4.2.4	3-18 to 3-19, 4-24, 4-24 to 4-25
COM 42	KIA	-	KIA-139	-	-	-	In the FEIS, Sabina commits to providing an additional report on the site specific aspects of the Naonaiyaotit Traditional Knowledge Project database in Volume 3, App V3-3A.	3	3	Appendix V3-3B	All
COM 43	YKDEN	YKDFN- 4-4	-	-	-	-	Sabina commits to integrate the findings of the document 'Existing and Publically Available Traditional Knowledge from Selected Aboriginal Groups in the Northwest Territories' into the FEIS (Appendix V3-3B).	3	3	3.1.1, Table 3.1-1, Appendix V3-3C	3-1, 3-3 to 3-42, All
COM 44	EC	-	EC-3	-	-	-	Sabina commits to completing an assessment of MLA air emissions that includes emissions from on land sources and ship emissions during "hoteling" and during transport. This will be provided in the FEIS.	4	1	1.5.2.1, Appendix V4-1C	1-21 to 1-22, All
COM 45	EC	EC-5	-	-	-	-	For the FEIS, Sabina commits to adding a footnote (Table 2.5-3 in Volume 4) that includes descriptions from the modelling report for: night-time noise level for assessing wildlife habitat loss, threshold 45 dBA; and sound exposure level for assessing wildlife sensitivity to helicopter noise (ringed seal and marine birds), threshold 70 dBA; sound exposure level for assessing wildlife sensitivity to helicopter noise (all other wildlife), threshold 80 dBA; peak sound pressure level for assessing wildlife sensitivity to impulsive blasting noise (disturbed habitat), threshold 108 dB; peak sound pressure level for assessing wildlife sensitivity to impulsive blasting noise (functional habitat loss), threshold 120 dB.	4	2	Table 2.5-3	2-14
COM 46	EC	-	-	EC-13	-	-	Sabina will commit, as part of the water licensing process, to providing vendor specifications stating that the incinerator is designed to incinerate sewage sludge.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 47	EC	-	-	EC-13	-	-	Stack testing for all incinerators will be completed as part of the commissioning process to ensure achievement of the Canada-wide Standards for emissions.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 48	GN	GN-18	-	-	-	-	At this time the Goose Property Airstrip will not be designed to accommodate aircrafts as large as a Boeing 767. If larger aircraft are selected as a viable option, Sabina commits to updating the air quality and noise models and conduct an effects assessment to address the potential effects of this larger class of aircraft. This would be included in the FEIS.	2 4	6 2	6.3.1 2.1, Appendix V4-2B (3.4, 3.5, 3.6.2, 4.2), Appendix V4-2C	6-2 to 6-3 2-1 to 2-6, 3-9 to 3-11, 3-12, 4-4 to 4-9, All
COM 49	GN	-	-	GN-35	-	-	Dustfall sampling locations will be chosen to ensure that all large sources of emissions are monitored. Sabina will consult with the GN on the number and location of sampling sites prior to finalizing the Air Quality Monitoring Plan for the FEIS.	10	17	7.2.1	11
COM 50	KIA	-	KIA-49	-	-	-	Sabina commits to monitoring of various particulate fractions (TSP, PM10 and PM2.5) at multiple locations onsite during the construction and operation phases of the Project. Sabina commits to working with the appropriate regulators to finalize monitoring plans prior to submission of the FEIS.	10	17	7.3.1	12
COM 51	KIA	-	KIA-54	-	-	-	For the FEIS, Sabina commits to further investigating mitigation measures required to reduce dust emissions and the likelihood of any potential health effect.	4 10	1 17	1.5.3 6.1.2	1-27 to 1-28 6 to 7
COM 52	KIA	KIA-56	-	-	-	-	Sabina commits to comply with Environment Canada Sulphur in Diesel Fuel Regulations (updated in 2012).	4	1	1.8.1.2	1-32
COM 53	KIA	-	KIA-60	-	-	-	Sabina commits to providing a design memorandum in the FEIS indicating how climate change considerations have been integrated into design and incorporate the most current and relevant peer-reviewed climate data.	4	3	Appendix V4-3B, Appendix V4-3C	All, All
COM 54	KIA	KIA-72	-	-	-	-	Sabina commits to include community acceptability and socio-economic effects in the full alternatives assessment for the FEIS. Community acceptability or preference and socio-economic effects were not been formally considered as there was very little concern expressed during our consultation efforts.	2 3 10	4 1 9	4.1.5, 4.1.6, Appendix V2-4A, Appendix V2-4C 1.6 4	4-2 to 4-3, All, All 1-36 to 1-48 10
COM 55	KIA	-	KIA-122	-	-	-	Sabina commits to establishing annual targets and BMPs for GHG emissions and potential reductions throughout operations. This will be stated in the FEIS.	4	3	3.4.3	34
COM 56	NRCAN	-	-	NRCAN-2	-	-	Sabina commits to substantiating the TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 9 10	7 2 9	Appendix V2-7E (Attachment A), Appendix V2-7G 2.16 3.6	All, All 2-19 8
COM 57	NRCAN	-	-	NRCAN-3	-	-	Sabina commits to providing justification for selection of the design freezing point in the thermal analysis for the TIA. This information will be presented in the FEIS.	2	7	Appendix V2-7G (5.9, Appendix G)	All
COM 58	NRCAN	-	-	NRCAN-4	-	-	Sabina commits to completing and presenting all appropriate geotechnical analysis of the TIA structure including its foundation in the FEIS.	2	6, 7	Appendix V2-7G (Appendix F)	All
COM 59	NRCAN	-	-	NRCAN-33	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 9 10	7 2 9	Appendix V2-7E (Attachment A), Appendix V2-7G 2.16 3.6	All, All 2-19 8

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 60	NRCAN	-	-	NRCAN-34	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	4	4	Appendix V4-3B	All
COM 61	NRCAN	-	-	NRCAN-35	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 10	7 9	Appendix V2-7E 3.6, 4	All 8, 10
COM 62	AANDC	-	-	AANDC-2	-	-	Sabina commits to incorporating all up to date information relating to geomechanical and topographical field and laboratory data in an updated assessment of mine stability and provide further detail on the underground mining method, layout, and design in the FEIS.	2	7	7.2.5	7-20 to 7-24
COM 63	AANDC	-	-	AANDC-3	-	-	Sabina commits to providing an updated presentation, analysis, and interpretation of geological faults and structures in the FEIS.	2 9	7 2	7.1.1, 7.2.5.1 2.2.1, 2.2.2, 2.3	7-3 to 7-5, 7-20 2-1 to 2-2, 2-7
COM 64	AANDC	-	-	AANDC-4	-	-	Sabina commits to providing an updated analysis of permafrost distribution at depth through thermal modelling, updated data analysis, and any other means required to depict any groundwater connections with the mine openings. This analysis will provide an updated account of the potential formation/decline of taliks, including any potential through-taliks. Requested information will be presented in the FEIS.	2 5 6	7 2 2	Appendix V2-7A (6.0) 2.4.1 2.4.1, 2.4.2	20 to 26 2-23 to 2-24 2-21 to 23
COM 65	AANDC	-	-	AANDC-5-1	-	-	Sabina commits to providing additional details related to how the hydrogeological system and permafrost thermodynamics may be affected by the proposed open-pit and underground mining operations. Requested information will be presented in the FEIS.	2 9 10	7 2 9	Appendix V2-7E, Appendix V2-7G All 3.6	All, All All 8
COM 66	AANDC	-	-	AANDC-5-2	-	-	Sabina commits to providing a detailed summary in the FEIS of overburden and permafrost conditions for the property with sufficient detail to demonstrate how planned surface infrastructure will interact with this system.	2	7	Appendix V2-7C	All
COM 67	AANDC	-	-	AANDC-6	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change. This information will be presented in the FEIS.	2 9 10	7 2 9	Appendix V2-7E (Attachment A), Appendix V2-7G All 3.6	All, All All 8
COM 68	AANDC	-	-	AANDC-17	-	-	Sabina commits to further work to understand the variability in ARD and arsenic levels, and will present this information in the FEIS.	2	7	Appendix V2-7D	All
COM 69	AANDC	-	-	AANDC-18	-	-	Sabina commits to providing additional clarity in the FEIS on the mitigation and monitoring that will be required to address the predicted concentrations of arsenic, copper, and cyanide concentrations exceeding MMER discharge limits.	2	7	Appendix V2-7H (5.4, 7.3, 7.4)	35 to 36, 44 to 45, 46 to 51
COM 70	AANDC	-	-	AANDC-19	-	-	Sabina commits to including additional details on the TIA constructability and assessing the associated risks. This information will be presented in the FEIS.	2 10	4 22	Appendix V2-4A 3.2	All 4 to 13
COM 71	AANDC	AANDC-20	-	-	-	-	Sabina commits to thermal modelling as part of the FS to validate the practicability, constructability and prevention of adverse environmental impacts of the proposed TIA closure measure of a 2m non-PAG rock cap.	2 10	7 9	Appendix V2-7E (Attachment A), Appendix V2-7G, 3.6	All, All 8
COM 72	AANDC	AANDC-21	-	-	-	-	Sabina commits to providing thermal modelling to support the adequacy of waste rock cover depth to protect permafrost in the FS.	2 10	7 9	Appendix V2-7E (Attachment A), Appendix V2-7G, 3.6	All, All 8
COM 73	AANDC	-	AANDC-23	-	-	-	Sabina commits that thermal modelling to support the design criteria will be conducted as part of the FS and the predictions provided in the FEIS. The assumptions used for thermal modelling will be informed by observations obtained from similar northern mining operations.	2 10	7 9	Appendix V2-7E 4	All 10
COM 74	AANDC	-	AANDC-31	-	-	-	Sabina commits to providing dyke designs and seepage calculations into the pits. This will be presented in the FEIS water balance.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 75	AANDC	-	AANDC-39	-	-	-	Sabina commits that geothermal modelling calibrated to temperature measurements and incorporating project components, will be conducted in the FS and provided in the FEIS.	2 5	7 2	Appendix V2-7A 2.1.2.1	All 2-5 to 2-13
COM 76	AANDC	-	AANDC-40	-	-	-	Sabina commits that geothermal analyses incorporating a more detailed evaluation of the influence of climate change on permafrost degradation will be provided in the FEIS.	4 5	3 2	Appendix V4-3B 2.1.2.4	All 2-21 to 2-22
COM 77	AANDC	-	AANDC-47	-	-	-	Sabina commits to providing the required background information pertaining to the design and effectiveness of landfills and otherwise managing waste in relation to the context of the project into the FEIS and final NWB water licencing process.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 78	AANDC	AANDC-57	-	-	-	-	As part of the FEIS, Sabina commits to providing additional information regarding closure and reclamation resulting from the mine design being optimized in the FS.	10	29	5.4	22 to 23
COM 79	AANDC	AANDC-58	-	-	-	-	Sabina commits to providing more information on the potential interactions between sub-permafrost groundwater and closure scenarios for the Umwelt underground within the FEIS.	2 5 10	7 2 29	Appendix V2-7A, Appendix V2-7I 2.4.1 5.4	All, All 2-23 to 2-24 22 to 23
COM 80	EC	-	-	EC-9	-	-	Sabina commits to using habitat data to predict the likelihood of birds nesting in various habitats. This information will appear in the FEIS.	5	9	9.1.5	9-6 to 9-25
COM 81	EC	-	-	EC-9	-	-	Sabina commits to using methods that are as non-intrusive as possible for pre-clearing surveys. This information will appear in the FEIS.	10	20	7.2.3	60 to 62
COM 82	EC	-	-	EC-9	-	-	Sabina commits to updating Table 6.2-1 (Wildlife Sensitive Periods Applicable to the Project) to include Mid-May to Mid-August from June 1 to July 31. This information will appear in the FEIS.	10	20	6.2.3.1	9
COM 83	EC	-	EC-22	-	-	-	Sabina commits that the results of feasibility study analyses for potential seepage from the TIA will be provided in the FEIS.	10	22	3.2.3	9
COM 84	EC	EC-24	-	-	-	-	Confirmation of the thickness of cover material based on thermal modelling and the confirmation of grain size will be studied in more detail as part of the FS and presented in the FEIS.	2 10	7 9	Appendix V2-7E 3.6	All 8
COM 85	EC	-	-	EC-26	-	-	Sabina commits to conducting additional site characterization of the TIA foundation to support detailed design after receipt of the water licence.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 86	EC	-	EC-27	-	-	-	For the FEIS, Sabina commits that assessment of the applicable screening criteria for both waste rock and tailings will be revisited as part of ongoing geochemical characterization work. During the FS, kinetic test results will be reinterpreted to determine a site specific NP:AP ratio for both tailings and waste rock.	2 10	7 9	Appendix V2-7D 3.3	All 5 to 6
COM 87	EC	EC-29	-	-	-	-	For the FEIS, Sabina commits to revising Figures 3.2-4, 3.2-5, 3.2-6 (Appendix V11-4A). The legend should be revised so the dark dot is labelled “sampled” (not “deposit”).	2	7	Appendix V2-7D	All

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 88	EC	EC-31	-	-	-	-	Sabina commits to incorporating updated results from the ongoing kinetic tests into the FEIS.	2 10	7 16	Appendix V2-7D 3.4, 6.1	All 6 to 7, 9 to 10
COM 89	EC	-	-	EC-41	-	-	For the FEIS, Sabina commits to correcting the reference to Price 2009, which is a MEND guideline, not (as stated previously) a federal guideline.	2	7	Appendix V2-7D	All
COM 90	EC	-	-	EC-42	-	-	Sabina commits to a further review of correlations between solid phase concentrations and leachate concentrations for parameters of interest, and will further assess whether appropriate samples were used. Data interpretation will include a review of all of the potential factors controlling trace element release.	2	7	Appendix V2-7D	All
COM 91	EC	-	-	EC-43	-	-	For the FEIS, Sabina commits to providing further information on the mine plan to clarify the length of time that ore and low grade ore will be stockpiled prior to processing. Additionally, further interpretation of the kinetic test data will be completed to assess the potential lag times to the onset of ARD in these material and in waste rock.	2 10	7 8	Appendix V2-7D 3.2, 3.3	All 2 to 4
COM 92	EC	-	-	EC-44	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 10	7 9	Appendix V2-7E (Attachment A), Appendix V2-7G, 3.6	All, All 8
COM 93	EC	-	-	EC-45	-	-	For the FEIS, Sabina commits to reassessing the proposed frequency of monitoring summarized in Table 7-1 (Summary of ML/ARD Monitoring Program), and will determine the frequency as a number of samples per volume of rock as suggested by EC.	10	9	8	12 to 13
COM 94	GN	GN-14	-	-	-	-	Sabina commits to updating Table 5.6-2 (Cumulative Habitat Loss in the Bathurst Caribou CEA Boundary) in the FEIS. For closed or past developments it was assumed that dust no longer contributes as habitat alteration and wildlife are anticipated to reinhabit these areas, thus blank cells should read NA.	5	5	5.6.2, Table 5.6-1	5-203 to 5-238, 5-205
COM 95	GN	-	GN-15	-	-	-	For the FEIS, Sabina commits that updates will be provided to include the most recent 2012 data in Volume 5, Table 5.1-2 (Bathurst Caribou Herd Population Numbers and Breeding Females from 1986 to 2009).	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
COM 96	GN	GN-19	-	-	-	-	Sabina commits to include the Nunavut Wildlife Act in the List of Permits, Licenses, and Authorizations Required for the Project in the FEIS.	1	2	Appendix V1-2	All
COM 97	GN	-	-	GN-20	-	-	Sabina commits to including text in the FEIS referencing Project-related effects in the context of Nunavut wildlife management units.	5	6,7,8	X.5.2.1, X.5.2.2, X.5.4	6-43 to 6-47, 647 to 6-55, 6-64 to 6-67, 7-25 to 7-30, 7-30 to 7-40, 7-46 to 7-48, 8-40 to 8-43, 8-43 to 8-58, 8-65 to 8-68
COM 98	GN	-	-	GN-24	-	-	Sabina will include more detail on the definition of "population and subpopulation health" and "acceptable risk thresholds" in definition of Significance Ratings in the FEIS.	5	5,6,7,8,9,10	X.5.1.1, X.5.1.3	5-1 to 5-3, 5-82 to 5-109, 6-38 to 6-39, 7-18 to 7-21, 7-22
COM 99	GN	-	-	GN-25	-	-	Sabina will provide publically available information in the FEIS detailing areas frequented by polar bears along the shipping route.	7	6	Appendix V7-6A	All
COM 100	GN	-	-	GN-26	-	-	Sabina commits to working within the existing regulatory framework defined by Transport Canada. An approved SOPEP will be in place by the shipping provider prior to the commencement of any shipment.	10	15	2.1	6
COM 101	GN	-	-	GN-26	-	-	Sabina will provide publically available information in the FEIS detailing areas frequented by polar bears along the shipping route.	7	6	Appendix V7-6A	All
COM 102	GN	-	-	GN-31	-	-	A discussion surrounding wolf and wolverine predation of ungulates will be added to the ungulate sections of the FEIS.	5	5,7	X.5.2.4	5-166 to 5-168, 7-41
COM 103	GN	-	-	GN-32	-	-	Additional detail can be added to the raptor chapter of the FEIS (Volume 5, Chapter 10) to provide citations to support these mitigation activities.	5	10	10.5	10-22 to 10-51
COM 104	GN	-	-	GN-36	-	-	Sabina acknowledges the requirements of the Scientists Act and commits to ensuring that legislated reporting requirement under the Scientists Act are reflected in the FEIS.	10	20 26	4 7.5	6 10
COM 105	GN	-	-	GN-37	-	-	Sabina commits to update the table on Permits and Approvals for Mine Development in the FEIS to include all relevant authorizations required for the life of the Project.	1	2	Appendix V1-2	All
COM 106	GNWT	-	-	GNWT-1	-	-	In the FEIS, Sabina commits to updating Sections 5.1.1 and 5.1.2.3 of the caribou assessment (Volume 5, Chapter 5), using information from 2014 discussing status of the Bathurst herd.	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
COM 107	GNWT	-	-	GNWT-1	-	-	Sabina commits to further clarifying how the determination of significance might change in the context of recovery. This will include a clarification on "the predicted effects on post-calving and summer areas." This information will appear in the FEIS.	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
COM 108	GNWT	-	-	GNWT-1	-	-	In the FEIS, Sabina commits to discussing Significance Ratings for Residual Effects on caribou (Table 5.5-3, Volume 5, Chapter 5) in the context of time horizons that are relevant to communities that depend on caribou.	5	5	5.5.4	5-191 to 5-195
COM 109	GNWT	-	-	GNWT-1	-	-	In the FEIS, Sabina commits to incorporating a discussion of how predicted impacts would be expected to change depending upon whether the herd is at a high or low population level and/or in an increasing or decreasing phase.	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
COM 110	GNWT	-	-	GNWT-3	-	-	For the FEIS, references to the caribou cumulative effects assessment (Section 5.6.2.2) will be added to the effects assessment section.	5	5	5.5.2.1, 5.5.2.2	5-136 to 5-162
COM 111	GNWT	-	-	GNWT-4	-	-	Sabina commits to review the location of the NICO and Nechalacho Projects and include them in the cumulative effects analysis of the FEIS should they fall within the defined 95% kernel home range of the herd.	5	5	5.6.2	5-203 to 5-238
COM 112	GNWT	-	GNWT-5	-	-	-	Sabina commits to providing more information in the FEIS on caribou monitoring programs. This will include details on Sabina participation in a collaborative regional (i.e., herd level) research and monitoring program for caribou, where involvement is capped at an agreed financial value; and a local-scale monitoring program to document caribou activity in areas surrounding the mine.	10	20	7.1.5	50 to 51
COM 113	GNWT	-	-	GNWT-5	-	-	Sabina commits to including additional information and analysis on annual variation in herd movement and historic calving ranges in the FEIS.	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
COM 114	GNWT	GNWT-7	-	-	-	-	Sabina readily commits to participating in GNWT led meetings that formally include the GN and relevant aboriginal groups when the content of these meetings include issues that are related to potential project interactions. Sabina is also willing to discuss options related to grizzly bear and wolverine monitoring initiatives as they relate directly to monitoring requirements for the Back River Project and where they tie in to a formalized agreement with the GN and relevant aboriginal groups for the management of these animals.	10	20	7.1.4, 7.1.5	49 to 51

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 115	GNWT	-	-	GNWT-7	-	-	The FEIS will be updated with reported harvest data provided by Malik (2012), that suggests a total removal of a maximum of 15 bears per year should be sustainable for the region.	5	6	6.1.2	6-1 to 6-3
COM 116	GNWT	-	-	GNWT-7	-	-	Additional text will be added to the FEIS to discuss potential Project and cumulative effects on bears within the context of regional harvest opportunities.	5	6	6.5.5	6-67 to 6-69
COM 117	GNWT	GNWT-8	-	-	-	-	Sabina commits to complying with the Shipping Zone Date System which defines when certain vessel classes can enter certain waters to ensure safe operation in Arctic waters.	10	15	1.2	2
COM 118	GNWT	GNWT-9	-	-	-	-	If the TCWR connector becomes a feasible option for the Project, Sabina commits to explore timing and methodologies available for conducting fall/winter pre-clearing surveys to be conducted prior to yearly construction of the road.	2	4	4.4	4-29
COM 119	GNWT	GNWT-10	-	-	-	-	If the combined decrease to grizzly bear or wolverine reproductive productivity was anticipated to be greater than natural variability in reproductive productivity in the population alone, then the magnitude was increased from 'negligible' or 'low' to 'moderate'. Sabina commits to provide this text in the FEIS.	5	6, 8	6.5.4.4, 8.5.4.4	6-66 to 6-67, 8-67 to 8-68
COM 120	KIA	KIA-4	-	-	-	-	Sabina commits to providing the data from the 2013 Wildlife Baseline Report into the FEIS.	5	5,6,7,8,9,10	X.1	5-1 to 5-122, 6-1 to 6-22, 7-1 to 7-14, 8-1 to 8-25, 9-1 to 9-25, 10-1 to 10-15
COM 121	KIA	-	-	KIA-IR-5	-	-	Sabina commits to including a brief discussion on why the dietary modelling found that mercury will not threaten the health of grizzly bears in the FEIS.	5	6	6.5.2.7	6-58 to 6-59
COM 122	KIA	-	-	KIA-CR-8	-	-	Sabina commits to completing and presenting all appropriate geotechnical and hydrotechnical analysis of the TIA structure, including its foundation in the FEIS.	10	22	3.2.3, 3.2.5	9, 10 to 12
COM 123	KIA	-	-	KIA-IR-8	-	-	Sabina will continue to optimize the extraction of the resources located at the George Property including accounting for engineering costs and environmental liability. Additional information on this topic will be presented in the publically available Feasibility Study Report.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 124	KIA	KIA-8	-	-	-	-	In consultation (as appropriate) with the GN and KIA, Sabina commits to formalizing the details of the Wildlife Effects Monitoring Program prior to construction of the Project.	10	20	7.1.3	48 to 49
COM 125	KIA	-	-	KIA-CR-9	-	-	Sabina commits to further substantiating the waste rock closure design criteria and completing a thermal analysis, inclusive of climate change considerations to demonstrate the viability of the plan. This information will be presented in the FEIS.	2	7	Appendix V2-7D	All
COM 126	KIA	-	-	KIA-IR-9	-	-	In the FEIS, Sabina commits to providing a detailed summary of overburden and permafrost conditions with sufficient detail to demonstrate how planned surface infrastructure such as the WRSA's will interact with this system.	2 9	7 2	7.1.5, Appendix V2-7C, Appendix V2-7E 2.16	7-10 to 7-13, All, All 2-19
COM 127	KIA	-	-	KIA-CR-10	-	-	Results and interpretation of additional sampling and testing work for potentially acid generating samples will be included in the FEIS.	2	7	Appendix V2-7D	All
COM 128	KIA	-	-	KIA-IR-10	-	-	Sabina commits to further substantiating the waste rock closure design criteria and completing a thermal analysis, inclusive of climate change considerations to demonstrate the viability of the plan. This information will be presented in the FEIS. Sabina does not believe a contingency plan is warranted at this stage.	2 9 10	7 2 9	Appendix V2-7E 2.2.1, 2.16 4	All 2-1 to 2-2, 2-19 10
COM 129	KIA	-	-	KIA-IR-11	-	-	Sabina commits to optimizing the location and design of the TIA based on an alternatives assessment founded on environmental, technical, and economic reasons. In addition Sabina commits to providing a detailed summary of the overburden and permafrost conditions for the TIA foundation with sufficient detail to justify and support the design. This information will be provided in the FEIS.	2	4 7	4.2.5, Appendix V2-4A 7.9, Appendix V2-7G	4-11 to 4-16, All 7-40 to 7-42, All
COM 130	KIA	-	-	KIA-CR-12	-	-	In the FEIS, Sabina commits to identifying and quantifying geochemically suitable material that will be available for construction. Details for specific locations, extraction and sorting methods will be provided as part of water licensing process.	2 10 10	7 9 16	Appendix V2-7D 4 3.4, 6.1	All 10 6, 9 to 10
COM 131	KIA	-	-	KIA-IR-12	-	-	Sabina commits to further substantiating the waste rock closure design criteria and completing a thermal analysis, inclusive of climate change considerations to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 9 10	7 2 9	Appendix V2-7E 2.2.1, 2.16 4	All 2-1 to 2-2, 2-19 10
COM 132	KIA	-	-	KIA-IR-13	-	-	For the FEIS, Sabina commits to providing a detailed summary of overburden and permafrost conditions for the property with sufficient detail to demonstrate how planned surface infrastructure such as the fuel storage areas will interact with this system.	2	7	7.1.5, Appendix V2-7C	7-10 to 7-13, All
COM 133	KIA	-	-	KIA-CR-14	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 4 10	7 3 9	Appendix V2-7E Appendix V4-3B 3.6	All All 8
COM 134	KIA	-	-	KIA-IR-14	-	-	Sabina commits to providing additional discussion of the carbonate mineralogy in the FEIS.	2	7	Appendix V2-7D	All
COM 135	KIA	-	-	KIA-IR-15	-	-	For the FEIS, Sabina commits to describing all of the assumptions made in the scaling calculations and the level of uncertainty and conservatism that is built into those calculations.	2	7	7.2.6, Appendix V2-7D	7-24 to 7-26, All
COM 136	KIA	-	-	KIA-IR-16	-	-	Sabina commits to providing the appropriate justification for design criteria adopted for any water management structures at Lytle and Occurrence Lakes in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 137	KIA	KIA-18	-	-	-	-	For the FEIS, Sabina commits to reviewing Vol. 5, Section 5.6.3 and editing text where appropriate. This includes replacing the word 'grizzly bear' with 'caribou'.	5	5	5.6.3	5-238 to 5-239
COM 138	KIA	-	KIA-28	-	-	-	In the FEIS, Sabina commits to avoid, where possible, the usage of contrasting colours so shading can be visually discerned.	All	All	All	All
COM 139	KIA	KIA-30	-	-	-	-	Sabina commits to delineating lake locations with high caribou abundance into Volume 5, Figures 5.1-2, 5.1-3, 5.1-5 and 5.1-6.	5	5	5.1	5-1 to 5-122
COM 140	KIA	-	KIA-32	-	-	-	In the FEIS, Sabina commits to correcting the typo on page 5-17 (Vol. 5, Section 5.1.2.3): "Boulanger et al. (2011) proposed that the population has likely declined due to decreasing calf survival, and concomitant reductions in female fecundity, and hunting."	5	5	5.1.2.3	5-15 to 5-19
COM 141	KIA	-	KIA-59	-	-	-	Sabina commits to collecting any additional geotechnical information characterizing shallow permafrost conditions, as required, for the FEIS.	2 5 9	7 2 2	7.1.5, Appendix V2-7C 2.1.2.4 2.4, 2.11.1	7-10 to 7-13, All 2-21 to 2-22 2-7 to 2-8, 2-14 to 2-15
COM 142	KIA	-	KIA-70	-	-	-	Sabina commits to reviewing and advancing the design of the TIA during the FS. Updated information on the TIA design will be included in the FEIS.	2 10	6, 7 22	6.6.13.3, Appendix V2-7G (5.7, 5.13, Appendix E) 3.2.3	6-34 to 6-38, 24, 26, All 9

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 143	KIA	KIA-73	-	-	-	-	Designs for tailings and waste rock disposal are being re-assessed in their entirety during the FS. Impacts on and from permafrost will be given due consideration through thermal modeling, baseline and predictive inputs. Sabina commits to providing this additional information in the FEIS.	4 9 10	3 2 29	Appendix V2-3B 2.2.1, 2.16 5.6	All 2-1 to 2-2, 2-19 23
COM 144	KIA	-	KIA-74	-	-	-	Sabina commits to reviewing and advancing the design of the TIA during the FS. Updated information on the TIA design will be included in the FEIS.	2	6, 7	6.6.13, Appendix V2-7G	6-33 to 6-40, All
COM 145	KIA	-	KIA-75	-	-	-	Sabina commits to providing details on shallow geotechnical conditions at the various fuel storage facilities for the FEIS and again for the water licence application process.	2 10	7 4	7.1.5, Appendix V2-7C 7.1	7-10 to 7-13, All 12
COM 146	KIA	KIA-76	-	-	-	-	Geotechnical assessments were conducted as part of the PFS but the results of these assessments were not available at the time of preparation of the DEIS. Sabina commits to providing these data, their interpretation, and implications in the FEIS.	2 10	7 4	7.1.5, Appendix V2-7C 7.1	7-10 to 7-13, All 12
COM 147	KIA	-	KIA-78	-	-	-	Sabina commits to using available kinetic data to develop site specific criteria as well as assessing the screening criteria used at other similar operations in Nunavut to help characterize our definition of PAG material. This will be presented within the FEIS.	10 2	9 7	3.3 Appendix V2-7D	5 to 6 All
COM 148	KIA	KIA-79	-	-	-	-	Sabina commits that further interpretation of the forms and reactivity of NP will be made as part of detailed interpretation of the humidity cell test results. This will be completed as part of the FEIS. Consideration will be given to different lithologies and/or zones within the deposit area that may have different proportions of unreactive NP.	2	7	Appendix V2-7D	All
COM 149	KIA	KIA-85	-	-	-	-	For Volume 11 (App1A to App4A), Sabina commits to rectify the classification of Barrel 6 as the material in the barrel has a sulphide net potential ratio of 2.95 and is therefore classified as uPAG, this will be rectified in the FEIS.	2	7	Appendix V2-7D	All
COM 150	KIA	-	KIA-89	-	-	-	As part of the FEIS, Sabina commits to detailing thermal analyses to determine the extent and timing of open taliks developing for all of the open and underground pits. The existing groundwater understanding will subsequently be expanded to include these new open taliks.	2 5	7 2	Appendix V2-7A 2.4.1	All 2-23 to 2-24
COM 151	KIA	KIA-100	-	-	-	-	Sabina is committed to using only geochemically suitable material for construction and closure and will continue characterization studies to further assess the ML/ARD potential and to develop an appropriate strategy in the FEIS for identifying and classifying this material at the time of the works to ensure appropriate use for construction.	2 10	7 16	Appendix V2-7D 3.4, 6.1	All 6 to 8, 11
COM 152	KIA	KIA-116	-	-	-	-	Sabina commits that WRSA and TIA design criteria will be assessed during the FS as thermal modelling analyses are conducted and the designs optimized. Updates will be provided in the FEIS.	2 10	7 9 22	Appendix V2-7E, Appendix V2-7G 3.4, 3.6 3.2, Table 3.2-1	All, All 6 to 8, 8 4 to 13, 7
COM 153	NRCAN	NRCan-1	-	-	-	-	Prescreening of material will be completed prior to its removal and if substantial metal leaching and acid rock drainage potential is identified, the material will be managed accordingly. Sabina commits to reporting further details on these mitigation plans in the FEIS following development in the FS.	2 10	7 16	Appendix V2-7C, Appendix V2-7D 3.3, 6.1	All, All 6 to 8, 11
COM 154	NRCAN	-	-	NRCAN-1	-	-	Sabina commits prior to commencement of works, but not necessarily prior to FEIS submission, to assess the geomechnical properties of the borrow material, its geochemistry and ARD/ML potential, the available volume of material, proximity to infrastructure, and to consider avoidance of environmentally sensitive (e.g. fish and fish habitat) and culturally sensitive (e.g. archaeological) areas.	10	16	3.2, 3.3, 3.5, 3.6.1	3, 7 to 8
COM 155	NRCAN	NRCan-3	-	-	-	-	Sabina commits to updating the terrain maps for Figure 4.2-1 (Appendix V5-3A) to illustrate the predominant direction of esker makers being northward.	5	3	Appendix V5-3A (Figure 4.2-1)	4-5
COM 156	NRCAN	NRCan-3	-	-	-	-	Sabina commits to updating the legend for terrain maps in (Appendix V5-3B) the FEIS to indicate which map sources were used.	5	3	Appendix V5-3B	All
COM 157	NRCAN	-	-	NRCAN-5	-	-	Sabina commits to substantiating the TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 4 9 10	7 3 2 9	Appendix V2-7E Appendix V4-3B 2.2.1, 2.16 4	All All 2-1 to 2-2, 2-19 10
COM 158	NRCAN	-	-	NRCAN-7	-	-	Sabina commits to conducting additional site characterization of foundation materials for proposed alignments of dykes and embankments for water retention structures associated with the TIA and dewatering of lakes to support detailed design after receipt of the water licence. This information will appear in the FEIS.	2	7	7.1.5, Appendix V2-7A, Appendix V2-7I	7-10 to 7-13, All, All
COM 159	NRCAN	-	-	NRCAN-8	-	-	For the FEIS, Sabina commits to completing and presenting all appropriate geotechnical analysis of the TIA structure, including its foundation.	2	6, 7	6.6.13, Appendix V2-7G	6-33 to 6-40, All
COM 160	NRCAN	NRCan-9	-	-	-	-	Sabina commits to providing further information on closure of the underground workings in the FEIS.	2 10	7 29	Appendix V2-7H 5.4	All 22 to 23
COM 161	NRCAN	-	-	NRCAN-9	-	-	Sabina commits to considering the potential for through-taliks beneath flooded open pits in assessing the long-term effects on water quality and quantity. Information will be presented in the FEIS.	2 5	7 2	Appendix V2-7A, Appendix V2-7H 2.1.2.1, 2.4.1	All, All 2-5 to 2-13, 2-23 to 2-24
COM 162	NRCAN	-	-	NRCAN-10	-	-	Sabina commits to providing an updated analysis of permafrost distribution at depth through thermal modelling, updated data analysis, and any other means required to depict any groundwater connections with the mine openings. This analysis will provide an updated account of the potential formation/decline of taliks, including any potential through-taliks. Requested information will be presented in the FEIS.	2 5	7 2	Appendix V2-7A 2.1.2.1	All 2-5 to 2-13
COM 163	NRCAN	NRCan-13	-	-	-	-	Sabina commits to undertake thermal modelling of both WRSA's and the TIA to validate cover design criteria. This will be provided in the FEIS.	2 10	7 9	Appendix V2-7E, Appendix V2-7G (Appendix F) 3.6	All, All 8
COM 164	NRCAN	-	-	NRCAN-13	-	-	Sabina commits to providing the appropriate design criteria and justification for any mitigation measures adopted for the project. This information will be presented in the FEIS.	2	7, 8	7.2.5, 8.5	7-20 to 7-24, 8-5
COM 165	NRCAN	NRCan-14	-	-	-	-	Sabina commits to further geotechnical studies, basic design, stability analysis, and any thermal analyses that are required to advance the design of tailings managment for the purpose of water licencing. This work will be presented in the FEIS. Potential settlement from freeboard calculations will be further clarified in the FEIS.	2	6, 7	6.6.13, Appendix V2-7G (Appendix F)	6-33 to 6-40, All

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 166	NRCAN	-	-	NRCAN-14	-	-	Sabina commits to presenting the scope and details of the thermal modelling completed. Requested information will be presented in the FEIS.	2 5	7 2	Appendix V2-7A 2.4.1	All 2-23 to 2-24
COM 167	NRCAN	NRCan-15	-	-	-	-	For the FEIS, Sabina commits to estimate seepage quality and quantity to further advance the water management plans.	2	7	Appendix V2-7A (6.0), Appendix V2-7D, Appendix V2-7H	5 to 8, All, All
COM 168	NRCAN	-	-	NRCAN-15	-	-	Sabina commits to clarifying the extent of the Llama Lake talik to be used for assessment of project effects. This will be presented in the FEIS.	2	7	Appendix V2-7A, Appendix V2-7D, Appendix V2-7H	5 to 8, All, All
COM 169	NRCAN	NRCan-16	-	-	-	-	For the FEIS, Sabina commits to provide more specific climate change predictions. These may be calculated from thermal models to help refine the final engineering design.	2 10	4 9	Appendix V2-4A 3.6, 3.7	All 8 to 10
COM 170	NRCAN	-	-	NRCAN-16	-	-	Sabina commits to substantiating the closure design criteria for the open pits and completing a thermal and/or hydrogeological analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 5	7 2	Appendix V2-7A 2.4.1	All 2-23 to 2-24
COM 171	NRCAN	NRCan-17	-	-	-	-	Sabina commits that additional analysis on the long-term effectiveness of permafrost encapsulation will be completed as part of the FS, and will be reported in the FEIS. The analysis will consider the sensitivity to climate change and the rate of freezing for the WRSA and TIA.	2 4 5 9 10	7 3 2 2 9	Appendix V2-7E Appendix V4-3B 2.1.2.4 2.10, 2.11, 2.13, 2.14, 2.15, 2.16 4	All All 2-21 to 2-22 2-14 to 2-15, 2-16 to 2-19 10
COM 172	NRCAN	NRCan-19	-	-	-	-	Sabina commits to continue geochemical characterization of pit wall materials, including a kinetic testing program. Water quality predictions for the pit lakes will be developed based on this characterization work and will be provided in the FEIS. A conceptual plan for treatment of the water from the filled pits will be developed once water quality predictions are available.	2 10	7 29	Appendix V2-7D H (4.2.4) 5.3	28 21 to 22
COM 173	NRCAN	NRCan-22	-	-	-	-	Sabina commits to providing additional geochemical characterization work, including results from the ongoing kinetic testing program. The updated water quality predictions will be provided in the FEIS.	2	7	Appendix V2-7D (7.2.3), Appendix V2-7H	72, All
COM 174	NRCAN	-	-	NRCAN-30	-	-	Sabina commits to further substantiating the TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 4 6	7 3 2	Appendix V2-7G (5.9) Appendix V4-3B 2.4.1	24 All 2-21 to 2-22
COM 175	NRCAN	-	-	NRCAN-32	-	-	Sabina commits to further substantiating the waste rock and TIA closure design criteria and completing a thermal analysis, inclusive of climate change considerations, to demonstrate the viability of the plan. This information will be presented in the FEIS.	2 4	7, 8 3	Appendix V2-7E, 8.6, 8.7 Appendix V2-3C	All, 8-5 to 8-6 All
COM 176	AANDC	-	-	AANDC-9	-	-	Sabina commits to including underground mine inflow in the site water and load balance model and account for the effect of the PAG backfill on the quality of that water and ultimately in the TIA. Further, Sabina will provide quality estimates of the underground mine water at closure, including the effect of the PAG backfill, if such mine water is expected to be released to the natural environment. Requested information will be presented in the FEIS.	2	7	Appendix V2-7H (3.2.7, 4.2.3, 9.3)	23, 26, 57
COM 177	AANDC	-	-	AANDC-10	-	-	Sabina commits to including a rationale for excluding the 2006 phosphorus data	6	4	4.1.6.4	4-20 to 4-22
COM 178	AANDC	-	-	AANDC-10	-	-	Sabina commits to presenting phosphorus data from 1994 onwards in the FEIS.	6	4	4.1.5.4	4-14 to 4-16
COM 179	AANDC	-	-	AANDC-10	-	-	Sabina commits to presenting tabulated pH data that distinguishes between field and laboratory data. Clarification of the specific methodologies used to measure pH in the baseline program will be included in the FEIS.	6	4	4.1.6.1	4-19 to 4-20
COM 180	AANDC	-	-	AANDC-10	-	-	Sabina commits to including the requested information in the FEIS as described in the detailed response part of the technical response package (AANDC-10).	6	4	4.1.6.3	4-20 to 4-21
COM 181	AANDC	AANDC-15	-	-	-	-	The water balance for the Project is under review and will be updated for the FEIS. Sabina commits to further describing the viability of "zero discharge" and the implications on TIA design.	2	6, 7	6.6.13.3, 7.10, Appendix V2-7H, Appendix V2-7I	6-34 to 6-38, 7-42 to 7-48, All, All
COM 182	AANDC	AANDC-29	-	-	-	-	For the FEIS, Sabina commits to providing an estimate of water volume change, water volume remaining, and water level for each lake and surface mine (by year) throughout the Project.	2	7	Appendix V2-7H (Figures 6.1 to 6.13)	All
COM 183	AANDC	-	AANDC-30	-	-	-	Sabina commits to provide an operational plan and water balance to document how the minimum water levels within Goose and Propeller Lakes will be maintained. The FEIS will provide additional detail by incorporating the latest engineering inputs derived from the FS.	2 6	7 1	Appendix V2-7H 1.5.4	All 46-52
COM 184	AANDC	AANDC-33	-	-	-	-	For the FEIS, Sabina commits to including Appendix A and Appendix B with the geotechnical and hydrogeological drilling program report written by SRK (Nov, 2012).	5	2	2.1.2	2-5 to 2-22
COM 185	AANDC	AANDC-34	-	-	-	-	The appendices for the Knight Piesold report in Vol 5, App.2D will be included in the FEIS.	5	2	2.1.2	2-5 to 2-22
COM 186	DFO	-	-	DFO-3	-	-	Sabina commits to including additional details on the Umwelt Lake outflow in the FEIS.	2 6	7 1	Appendix V2-7H 1.4.2.1	All 1-38 to 1-39
COM 187	DFO	-	-	DFO-4	-	-	Sabina commits to providing additional rationale for selection of design criteria for sizing of culverts in the FEIS.	2	7	Appendix V2-7I (3.4, 3.5.4)	12, 17
COM 188	DFO	-	-	DFO-5	-	-	Sabina commits to conducting a fish passage flow assessment as part of the culvert design process. This information will appear in the FEIS.	2	6, 7	6.5.2.2, 6.6.2, Appendix V2-7I	6-17, 6-21 to 6-24, All
COM 189	DFO	-	-	DFO-15	-	-	Sabina commits to updating relevant references to current DFO policies and guidance documents found on the agency website. These updates will be completed within the FEIS.	6 7	6, 7 4, 5	6.5.3, 7.5.3 4.5.3, 5.5.3	6-61 to 6-70, 7-46 to 7-56 4-46 to 4-49, 5-29 to 5-31
COM 190	EC	EC-14	-	-	-	-	For the FEIS, Sabina commits to providing details on the total volume of water requiring treatment at the George Property. These values will support the final sizing and design of the collection ponds.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 191	EC	-	-	EC-19	-	-	Wherever reasonable Sabina prefers the use of passive culverts instead of active pumping. Sabina commits to properly installing culverts where they are necessary. This information will appear in the FEIS.	2	7	Appendix V2-7I (3.4, 3.5.4)	12, 17
COM 192	EC	-	EC-25	-	-	-	Sabina commits to satisfy all regulations, including MMER, and water quality targets will be progressed further during the water licencing process.	2	7	Appendix V2-7H (7.0, Appendix D)	All
COM 193	EC	-	-	EC-26	-	-	Sabina commits to providing a detailed site-wide water and load balance. This information will be presented in the FEIS.	2	7	Appendix V2-7H (7.0, Appendix B)	All
COM 194	EC	-	-	EC-30	-	-	Sabina commits to adding xylene in the FEIS as a measured parameter for these discharge criteria.	2	6	Table 6.6-9	6-31
COM 195	EC	-	-	EC-33	-	-	Sabina commits to addressing seepage capture and pump-back requirements for dyke structures at the George site. Requested information will be presented in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 196	GN	GN-8	-	-	-	-	The effects of evapotranspiration were discussed in the Volume 6, Chapter 1 (Sections 1.1.1.3, 1.1.3.2, and 1.1.3.4) but were not addressed in Volume 9, Chapter 2, "The Effects of the Environment on the Project". Sabina commits to providing this interaction in the FEIS risk matrix.	9	2	Table 2.2-1	2.3 to 2.6

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 197	GN	GN-9	-	-	-	-	Sabina plans to develop Standard Operating Procedures that include the use of chlorination to ensure potability of water. Regular testwork of water quality will be conducted to ensure potable water meets Canadian drinking water standards. Sabina commits to meet all regulatory requirements around the management of potable water and additional details will be provided in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 198	KIA	-	-	KIA-CR-11	-	-	Sabina commits to providing additional justification for design criteria adopted for any water management structures. Furthermore, Sabina commits to completing and presenting all appropriate geotechnical and hydrotechnical analysis of water management structure in the FEIS.	2	7	Appendix V2-7C, Appendix V2-7I (2.0, Appendix A)	All, All
COM 199	KIA	-	-	KIA-CR-16	-	-	Sabina commits to monitoring TIA water quality until the WQO's are met.	10	7 19 29	8.3 7.1 6.1	49 12 to 13 27 to 28
COM 200	KIA	-	-	KIA-CR-17	-	-	The updated water balance will be used to provide additional details on the Umwelt Lake and outflow system in the FEIS. If an updated effects assessment indicates residual effects, then mitigation measures such as offsetting will be considered in collaboration with DFO and the KIA.	2 6 10	7 6 19	7.10.2.6 6.5.3.1 6.1.4	7-47 6-61 to 6-63 8 to 10
COM 201	KIA	-	-	KIA-IR-17	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. Further, Sabina commits to provide specific tundra discharge locations for treated sewage, along with supporting rationale, in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 202	KIA	-	-	KIA-CR-18	-	-	Sabina commits to conducting a second year of baseline fish sampling in Giraffe Lake if this lake remains a potential receiving environment. Sabina will make this information available in the FEIS or prior to the final technical review.	6	7	7.5.2.1	7-43
COM 203	KIA	-	-	KIA-IR-19	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. Further, Sabina commits to provide specific tundra discharge locations for treated sewage, along with supporting rationale, in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 204	KIA	-	-	KIA-IR-20	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. Further, Sabina commits to provide specific tundra discharge locations for treated sewage, along with supporting rationale, in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 205	KIA	-	-	KIA-IR-21	-	-	Sabina commits to provide specific tundra discharge locations for treated sewage, along with supporting rationale, in the FEIS.	10	7	3.3.2, 3.3.3	7-13 to 7-14
COM 206	KIA	-	-	KIA-IR-22	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. This information will appear in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 207	KIA	-	-	KIA-IR-23	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. This information will appear in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 208	KIA	-	-	KIA-IR-25	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. This information will appear in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 209	KIA	-	-	KIA-IR-26	-	-	Sabina commits to provide further rationale and methodology for criteria selection during the water licensing process. This information will appear in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 210	KIA	-	-	KIA-IR-27	-	-	Sabina commits to developing a water and load balance that will be used to develop water management plans for all stages of the project including construction, operation, closure and post-closure. This will be used to demonstrate that any discharge that runoff will comply with appropriate WQOs once it reaches the closest waterbody or watercourse. Locations for discharges to the tundra along with rationale for their selection will be provided. This information will be provided as part of the FEIS.	2 10	7 7	Appendix V2-7H 3.3.2, 3.3.3	All 7-13 to 7-14
COM 211	KIA	-	-	KIA-IR-28	-	-	In the FEIS, Sabina commits to clarifying the TSS thresholds and mitigation measures to meet those limits as well as describing the fate of water removed from Llama Lake, Lytle Lake and Occurrence Lake as part of the site-wide water and load balance.	2 6	7 4, 5	7.10.2.5, 7.10.2.6, Appendix V2-7H 4.5.4.1, 5.5.3.1, 5.5.4.1	7-45 to 7-47, All 4-45 to 4-46, 5-26 to 5-28, 5-31 to 5-32
COM 212	KIA	-	-	KIA-IR-29	-	-	Sabina commits to including seepage from the TIA as a pathway for the freshwater water quality assessment chapter for the FEIS.	6	4	4.5.2.4	4-37
COM 213	KIA	-	-	KIA-IR-33	-	-	Sabina commits to use figures illustrating creek cross sections under baseline and projected scenarios for a range of wet and dry years in the FEIS.	6 10	1, 6 21	Appendix V6-1A (Appendix 2 and Appendix 4), Appendix V6-1B (Appendix 2 and Appendix 3), Appendix V6-1C (Appendix 3 and Appendix 4), Appendix V6-1D (Appendix 3) 6.3.3	All, All, All, All 6-10
COM 214	KIA	KIA-88	-	-	-	-	The preliminary designs for the impermeable dykes will be an output from the FS. Further geotechnical investigation will address the dyke design, the foundation conditions and the potential for the development of a talik. The potential for seepage from Lytle and Occurrence Lake to the Locale 1 and Locale 2 pits will be considered. Estimated seepage rates and management of the potential seepage will also be completed. Sabina commits that this information will be included in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 215	KIA	-	KIA-128	-	-	-	Sabina commits to providing design criteria in the FEIS and NWB applications to quantify the wetted habitat loss in all impacted water.	10	21	6.2, 6.3	28 to 37
COM 216	NRCAN	NRCan-4	-	-	-	-	Further geothermal analysis is being conducted as part of ongoing preparation for the FS and Sabina commits that this information will be included in the FEIS.	2 5	7 2	Appendix V2-7A (6.0), Appendix V2-7H 2.1.2.2	5 to 8, All 2-13 to 2-21
COM 217	NRCAN	NRCan-5	-	-	-	-	Saline water management has been considered through the operational stipulation to transport the saline water to the TIA. Sabina commits to include saline groundwater contributions to the TIA and confirm the final quality of the tailings supernatant at closure in the FEIS water balance .	2	7	7.10.2.9, 8.5, Appendix V2-7H, Appendix V2-7A	7-47 to 7-48, 8-5, All, All
COM 218	NRCAN	NRCan-8	-	-	-	-	For the FEIS, Sabina commits to developing a thermal model to confirm permafrost predictions beneath the TIA.	2 5 6	7 2 2	Appendix V2-7G (Appendix G) 2.4.1 2.4.1	All 2-23 to 2-24 2-21 to 2-22
COM 219	NRCAN	-	-	NRCAN-11	-	-	Sabina commits to depicting any groundwater connections with mine openings. Where discharges to the environment are predicted based on the site wide water and load balance, appropriate mitigation measures will be presented in the FEIS.	2	7	Appendix V2-7A, Appendix V2-7H (3.2.7, 4.2.3, 9.3)	All, 23, 26, 57
COM 220	NRCAN	-	-	NRCAN-17	-	-	Sabina commits to presenting the scope and details of the hydrogeological modelling completed. Requested information will be presented in the FEIS.	2	7	Appendix V2-7A	All
COM 221	NRCAN	-	-	NRCAN-18	-	-	Sabina commits to providing details on the Llama Lake talik zone through all phases of mining and closure. Details will be presented in the FEIS.	2 5	7 2	Appendix V2-7A 2.1.2.2, 2.4.1	All 2-13 to 2-21, 2-23 to 2-24

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 222	NRCAN	-	-	NRCAN-19	-	-	Sabina commits to providing an updated analysis of permafrost distribution at depth through thermal modelling, updated data analysis, and any other means required to depict any groundwater connections with the mine openings. This analysis will provide an updated account of the potential formation/decline of taliks, including any potential through-taliks. Requested information will be presented in the FEIS.	2	7	Appendix V2-7A (4, 6)	6 to 15, 20 to 26
COM 223	NRCAN	-	-	NRCAN-22	-	-	Sabina commits to providing justification for not obtaining more information on the fault zones as it relates to groundwater flows in talik regions. This information will be provided in the FEIS.	2	7	7.1.1, Appendix V2-7A (4.2, 4.3)	7-3 to 7-5, 6 to 8
COM 224	NRCAN	-	-	NRCAN-24	-	-	Sabina will develop and operate a safe mine including appropriate underground water management. These elements will be addressed as part of the standard mine operational procedures to be approved by the Mines Inspector.	2	7	7.2.5.6	7-23 to 7-24
COM 225	NRCAN	-	-	NRCAN-27	-	-	Sabina commits to providing results of any groundwater modelling completed for Llama pit. These details will be presented in the FEIS.	2	7	Appendix V2-7A (4, 6)	6 to 15, 20 to 26
COM 226	NRCAN	-	-	NRCAN-29	-	-	Sabina commits to providing an updated analysis of permafrost distribution at depth through thermal modelling, updated data analysis, and any other means required to depict any groundwater connections with the mine openings. This analysis will provide an updated account of the potential formation/decline of taliks, including any potential through-taliks. Requested information will be presented in the FEIS.	2 5	7 2	Appendix V2-7A 2.4.1	All 2-23 to 2-24
COM 227	DFO	DFO-6	-	-	-	-	Sabina commits to develop marine mammal observation procedures in-line with federal and government of Nunavut shipping management protocols. Further details will be provided in the FEIS.	10	15 20	11.3 7.3.8.5	19 to 20 112
COM 228	DFO	-	-	DFO-6	-	-	For the FEIS, Sabina will include potential impacts along the shipping route, including ship noise and ship strikes. This will be conducted utilizing publically available information.	7	6	Appendix V7-6A (6)	6-4, 6-5
COM 229	EC	-	-	EC-2	-	-	Sabina will provide additional detail in the FEIS and further consider realistic 'no disturbance' setbacks.	10	15	1.2, 11.2	2, 19
COM 230	EC	-	-	EC-2	-	-	Sabina will provide an annual log and map of ship tracks in annual monitoring reports.	10	15	1.2	2
COM 231	EC	-	-	EC-3	-	-	To the extent that the information is made available from the Canadian Coast Guard, Sabina commits to providing data on the percentage increase in shipping traffic in the FEIS.	7	6	Appendix V7-6A (Table 3.4-1)	3-4
COM 232	EC	-	-	EC-5	-	-	Sabina commits to working within the existing regulatory framework defined by Transport Canada. An approved SOPEP will be in place by the shipping provider prior to the commencement of any shipment.	10	15	2.1	6
COM 233	EC	EC-6	-	-	-	-	Sabina commits to develop seabird observation procedures in-line with federal and government of Nunavut shipping management protocols. These details will be provided in the FEIS.	10	15 20	11.3 7.3.7.5	19 to 20 110
COM 234	EC	-	-	EC-8	-	-	Sabina commits to working within the existing regulatory framework defined by Transport Canada. Sabina will consider additional clarity on the reporting of bird strikes in the Incidental Observation Procedure included in the FEIS. If the frequency of strikes is significant, Sabina will implement adaptive management procedures to address this concern.	10	15 20	11.3 6.11, 7.3.7.5	19 to 20 46 to 47, 110
COM 235	EC	-	EC-9	-	-	-	Sabina commits to complying with standard shipping guidance, and implementing a series of management plans, which will be in effect within the marine Local Study Area and/or the marine Regional Study Area in Bathurst Inlet. Implemented together, these plans will limit effects on marine birds in the common shipping route.	10	15 20	All 7.3.7	All 108 to 110
COM 236	EC	-	-	EC-25	-	-	Sabina commits to a further review in the FEIS of monitoring requirements of discharged brine for compliance with subsection 36(3) of the Fisheries Act prior to release to the marine environment.	7 10	2 7 19	2.5.3.6 8 7.2.2.2	33 47 to 50 14
COM 237	TC	-	-	TC-2	-	-	For the FEIS, Sabina will provide details on any accommodation barge or overwintering fuel vessel proposed for use. This will address compliance with regulatory requirements and include information on the type of vessels involved, operations plan, and risk assessment.	2	4	4.3.9	4-27 to 4-28
COM 238	TC	-	TC-3	-	-	-	Sabina commits to reference the AWPPA in the Shipping Management Plan section related to pollution prevention as the vessels transiting to/from and employed within the MLA are required to comply with the Act in addition to the Canada Shipping Act (2001).	10	15	7.1	12 to 13
COM 239	TC	-	-	TC-3	-	-	Sabina commits to reviewing, for the FEIS, the stated regulatory requirements specific to choice of route and vessels.	10	15	5	9 to 11
COM 240	TC	-	TC-4	-	-	-	Sabina commits to request a meeting with Canadian Hydrographic Services officials to ensure their engagement on a potential bathymetric survey of the MLA area.	2	4	4.2.2.3	4-6 to 4-7
COM 241	AANDC	-	-	AANDC-31	-	-	Sabina commits to further consider the potential of the Project to result in out-migration of skilled workers, as well as out-migration of former employees upon various closure phases of the mine. This information will be included in the FEIS.	8	3	3.3.2.1, Table 3.3-1	3-30 to 3-34, 3-31 to 3-32
COM 242	AANDC	-	-	AANDC-32	-	-	For the FEIS, Sabina will provide training plans derived from the completed job descriptions for the Back River site positions.	8 10	3 28	3.5.3.4 7.3.2.3	3-80 to 3-84 16 to 17
COM 243	AANDC	-	-	AANDC-34	-	-	Sabina will govern gender equality through the CHRC - Human Rights Maturity Model where current and future polices and practices follow: 1) Leadership and accountability; 2) Capacity building and resources; 3) Alignment of policies and processes; 4) Communication and consultation; and 5) Evaluation for continuous improvement. This commitment will appear in the FEIS.	10	28	7.3.2.6	17 to 18
COM 244	AANDC	-	-	AANDC-34	-	-	Sabina will work with relevant Community groups to promote and encourage the candidacy of women for employment vacancies. This commitment will appear in the FEIS.	10	28	7.3.2.6	17 to 18
COM 245	AANDC	AANDC-60	-	-	-	-	Sabina commits to providing an FEIS update to the Mine Closure Reclamation Plan that summarizes the post-reclamation risks to humans and the environment. This will based on more detailed evaluations provided in Volume 8, Chapter 6 and applicable Volume 8 appendices. Sabina will also present a closure cost estimate. [Closure Plan]	10	29	5.15, 7	27, 29
COM 246	AANDC	AANDC-67	-	-	-	-	Sabina commits to provide additional details on workforce requirements as part of the FEIS submission.	8	3	3.5.2, 3.5.3.1, 3.5.3.3	3-46 to 3-48, 3-48 to 3-61, 3-64 to 3-80
COM 247	AANDC	-	AANDC-69	-	-	-	Sabina commits to update the FEIS to include more recent socio-economic baseline data than the information referenced in the Volume 8, Chapter 3.	8	3	3.1.2	3-1 to 3-25
COM 248	AANDC	AANDC-70	-	-	-	-	Sabina commits to providing appropriate training to ensure Inuit and Nunavummiut have employment opportunities.	10	28	7.3.1	15
COM 249	AANDC	AANDC-73	-	-	-	-	Sabina commits to providing appropriate notice periods for lay-offs from Back River operations as mandated by the statutes of the Labour Standards Act of Nunavut.	10	28	3.1.7	6

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 250	GN	-	-	GN-1	-	-	The Kitikmeot Region SEMC is actively engaged in the monitoring of conditions in communities, including aspects of Population Demographics and Community Infrastructure and Public Services. Sabina will continue to participate in this ongoing initiative.	10	23	1	1
COM 251	GN	-	-	GN-3	-	-	Sabina commits to ongoing community engagement so that members of the communities, including youth and education service providers, are aware of the career opportunities with the Project and can make informed decisions regarding education and skills development. This information will appear in the FEIS.	10	28	7.3, 7.3.2.5	15 to 18
COM 252	GN	-	-	GN-3	-	-	Sabina commits to actions to promote youth being able to make informed choices regarding their career direction, including encouraging youth to stay in school to take advantage of the employment opportunities made available by the Project. This information will appear in the FEIS.	10	28	7.3, 7.3.2.5	15 to 18
COM 253	GN	-	-	GN-3	-	-	Updated information will be included in the FEIS. This will include more specific information on the number of jobs that will be available with the Project and the general education/training requirements for these jobs.	8	3	3.5.2, 3.5.3.1, 3.5.3.3, 3.5.3.4, Appendix V8-3B	3-46 to 3-48, 3-48 to 3-61, 3-64 to 3-80, 3-80 to 3-84, All
COM 254	GN	-	-	GN-4	-	-	Further details regarding the workforce schedule, including number of positions and general skill and experience requirements, will be provided in the FEIS based on what is known at the time with the advancement of engineering design.	8	3	3.5.2, 3.5.3.1, 3.5.3.3, 3.5.3.4, Appendix V8-3B	3-46 to 3-48, 3-48 to 3-61, 3-64 to 3-80, 3-80 to 3-84, All
COM 255	GN	-	-	GN-4	-	-	Sabina will work closely with GN Family Services and the Apprenticeship program in Nunavut to align mine site program planning. This information will appear in the FEIS.	10	28	7.3.2.1	16
COM 256	GN	-	-	GN-5	-	-	Sabina commits to updating the baseline information provided in Volume 8, Chapter 3 (Socio-economics), Section 3.1.2.2 (Employment) and Section 3.1.2.3 (Education and Training) with the most current and applicable National Household Survey and Labour Force Survey data. Additional analysis and more detail will be provided in the FEIS for potential in-migration due to Project-related indirect (supplier) and induced employment in Kitikmeot communities and the consequences/needs of immigrant workers,	8	3	3.1.2, 3.3.2.1, 3.5.3.5	3-1 to 3-25, 3-30 to 3-34, 3-84 to 3-95
COM 257	GN	-	-	GN-6	-	-	Sabina commits to including additional information in the FEIS concerning: 1. Training approaches and methods specific to Nunavummiut and Inuit 2. Incorporation of Inuit Qaujimajatuqangit into Community Based Monitoring initiatives.	10	23 28	2, 5.2 7.3	1, 4 to 5 15 to 18
COM 258	GN	-	-	GN-7	-	-	Sabina will continue to support childcare in the communities through our donations policy and informal visits to assess potential areas of need. Also, Sabina employees will be encouraged to support childcare through volunteering and participation on the associated non-profit boards responsible in each community for the delivery of childcare programming. This information will appear in the FEIS.	3 10	1 26	1.5.3.4 3.1	1-28 to 1-35 2 to 3
COM 259	GN	-	-	GN-8	-	-	Sabina will continue to support childcare in the communities through our donations policy and informal visits to assess potential areas of need. Also, Sabina employees will be encouraged to support childcare through volunteering and participation on the associated non-profit boards responsible in each community for the delivery of childcare programming. This information will appear in the FEIS.	3 10	1 26	1.5.3.4 3.1	1-28 to 1-35 2 to 3
COM 260	GN	-	-	GN-9	-	-	Sabina commits to providing in the FEIS further analysis and more detail regarding the potential for migration into Cambridge Bay and Kugluktuk due to Project-related indirect and induced employment. As recommended by the Nunavut Housing Corporation (NHC), a sensitivity analysis that incorporates a number of scenarios will be included as part of the analysis given the uncertainties involved.	8	3	3.3.2.1, 3.5.3.5	3-30 to 3-34, 3-84 to 3-95
COM 261	GN	-	-	GN-10	-	-	Sabina commits to reviewing relevant statements concerning annual housing construction in Nunavut and, in the FEIS, will provide a regional breakdown of where new public and private housing units have been constructed where the information is available.	8	3	3.1.2.6	3-11 to 3-16
COM 262	GN	-	-	GN-11	-	-	For the FEIS, Sabina will provide information regarding sexual health as part of our general Wellness information program to be delivered at site. The company commits to providing on-site access to condoms in an effort to mitigate the spread of STI's. The program information will be delivered by qualified health practitioners.	10	28	7.1.5.2	12
COM 263	GN	-	-	GN-12	-	-	Sabina will review the subject of "up-to-date" immunization for employees and provide additional details in the FEIS. Sabina will be offering annual influenza vaccinations to all employees and providing education on proper personal hygiene to limit the spread of influenza. All medical incidents or occurrences, including those tied to a rabid animal, will be addressed through the company HS&E policy, where a qualified on-site Nurse/Medic will assess the situation and where necessary consult with our Medical Doctor. All regulatory reporting will be adhered to for compliance.	10	25	3.12	11
COM 264	GN	-	-	GN-13	-	-	In the event that pre-employment medicals are required, Sabina will commit to a service fee payable to the Community Health services based on a negotiated fee schedule. Sabina will develop any pre-employment medical screening program in discussion with Nunavut Health Services. This commitment will be added to the FEIS.	10	28	7.1.1	9 to 10
COM 265	GN	-	-	GN-14	-	-	Sabina commits to providing descriptions of all employee support programs and training undertaken including: a qualitative description of the structure and goals of each program; the number of times it was provided to employees and; the percentage of employees (at every level) who have successfully completed the program. This will be provided annually via a relevant annual report mechanism.	10	28	7.3.1	15
COM 266	GN	-	-	GN-14	-	-	Sabina commits to providing a description of the manager's, councilors, or HR representative's duties in relation to employee support, their on-site availability and a general assessment of whether the position is achieving the desired goals. This will be provided annually via a relevant annual report mechanism.	10	28	7.3.2.4	17
COM 267	GN	-	-	GN-15	-	-	Sabina commits to integrating Table GN-CH-37 (Regional Study Area Archaeology Site Types) into the appropriate sections of FEIS.	8	1	1.4.1.2, Appendix V8-1C	1-15, All
COM 268	GN	-	-	GN-16	-	-	Sabina commits to integrating Table GN-CH-41-1 (Archaeological Site Cultural Affiliations) and Table GN-CH-41-2 (Archaeological Artifacts by Site) into the appropriate sections of the FEIS.	8	1	1.4.1.2, Appendix V8-1C	1-15, All
COM 269	GN	-	-	GN-17	-	-	Sabina commits to providing a set of maps to the Department of Culture and Heritage on March 31st of each year illustrating changes in the Project footprint are occurring or an archaeological permit is obtained.	10	27	11	12
COM 270	GN	-	-	GN-18	-	-	Sabina commits to providing summaries of the current status of all known archeology sites within 80 meters of the Project Infrastructure by March 31 of each year.	10	27	11	12

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 271	GN	-	GN-23	-	-	-	For the FEIS, Sabina commits to updating data for 'GDP contributions of the Back River Project for Operation' (Volume 8, Table 3.5-8)	8	3	3.5.3.1, Table 3.5-5, Table 3.5-8	3-48 to 3-61, 3-50, 3-55
COM 272	GN	-	GN-24	-	-	-	Sabina commits to providing more recently released information from the 2011 National Household Survey in the FEIS.	8	3	3.1.2	3-1 to 3-25
COM 273	GN	GN-28	-	-	-	-	Sabina commits to working in partnership with the KIA and other stakeholders such as MiHR, Northern Arctic College to identify skills gaps for work readiness training.	10	28	7.3.2.1	16
COM 274	GN	-	GN-29	-	-	-	Sabina commits to ensuring appropriate policies are included in the FEIS to protect the workforce from sexual harassment or abuse.	10	28	3.1.4	4 to 5
COM 275	GN	GN-31	-	-	-	-	Sabina commits to providing an EAP which is appropriate to our workforce. That may include access to counselors onsite or referrals to additional facilities should the need arise. Sabina remains committed to allowing for employment opportunities onsite for Inuinnaqtun and/or Inuktitut speaking staff.	10	28	3.1, 3.1.5	2 to 6
COM 276	GN	GN-32	-	-	-	-	Currently there are no formalized plans for community contributions related to community health and wellbeing. Over the past five years, Sabina has committed funds and resources towards community initiatives including daycares, food banks, suicide prevention, traditional pursuits, cultural events, and education initiatives. As the Project advances Sabina remains committed to working with the Kitikmeot Inuit Association, Government of Nunavut, the Kitikmeot communities and associated community groups to ensure reasonable community benefits are established. This will be stated in the FEIS.	3	1	1.5.3.3, 1.5.3.4	1-28 to 1-35, 1-35
COM 277	GN	GN-33	-	-	-	-	Sabina has obtained information on the new Rent Scale System and will include this information, where relevant, in the FEIS. Going forward, Sabina commits to working with the NHC, as appropriate, to help ensure that accurate information is provided to workers.	8	3	3.5.3.5	3-84 to 3-95
COM 278	GN	-	GN-34	-	-	-	Sabina commits to making a formal request to the Nunavut Housing Corporation for detailed information on the number of new housing units by community. This will be provided in the FEIS.	8	3	3.1.2.6	3-11 to 3-16
COM 279	GN	-	GN-36	-	-	-	In the FEIS, Sabina commits to providing updated information on the Nunavut Housing Corporation's annual budget, as made available by the NHC.	8	3	3.1.2.6	3-11 to 3-16
COM 280	GN	-	GN-36	-	-	-	Sabina commits to correcting the numbers presented in the DEIS for archaeological sites such that values are consistent throughout the FEIS for each project management area.	8	1	1.5.2, 1.5.3.3, 1.5.5.2	1-16 to 1-24, 1-25, 1-28
COM 281	GN	-	GN-37	-	-	-	Sabina commits to correcting the numbers presented in the DEIS for archaeological sites such that values are consistent throughout the FEIS for each project management area.	8	1	All	All
COM 282	GN	-	GN-39	-	-	-	In the FEIS, Sabina commits to providing more detail on the criteria used to assign archaeological significance in the main body of the EIS (Volume 8, Section 1.5.2.4).	8	1	1.5.1.2	1-15 to 1-16
COM 283	GNWT	GNWT-13	-	-	-	-	Sabina commits to present a final determination of flight routes and schedules in the FEIS. It is anticipated that some Southern employees may travel through Yellowknife in order to access site during the Project life.	2	5	5.6	5-2 to 5-3
COM 284	GNWT	GNWT-14	-	-	-	-	Sabina commits to responsibility for financing any potential evacuations of all project personnel. This will be stated in the FEIS.	10	25	3.12	11
COM 285	KIA	KIA-44	-	-	-	-	For the FEIS, Sabina commits to include a more robust consideration of the broader RSA effects that were considered and included in the assessment (Vol 8, Employment - Cumulative Residual Effects).	8	3	3.5.3.3, 3.6.2.1	3-64 to 3-80, 3-113
COM 286	AANDC	AANDC-3	-	-	-	-	Sabina commits to clarifying in the FEIS, the approach used to determine spatial effects including consideration for the extent of potential project effects.	9	1	1.2.3.2	1-16 to 1-17
COM 287	AANDC	-	-	AANDC-16	-	-	Sabina commits to review and update, as appropriate, the chapter for accidents and malfunctions in the FEIS.	9	3	3.3	3-6 to 3-20
COM 288	AANDC	-	AANDC-55	-	-	-	Sabina commits to providing additional information on oil spill response procedures, and expected conditions outside the MLA, for non-navigable rivers, creeks and other waterways. This will be provided for the FEIS.	10	5	8.2.2	24
COM 289	EC	EC-Followup-1	-	-	-	-	Sabina commits to including the missing appendices from the Oil Pollution Emergency Plan in the FEIS.	10	6	Annex 1, Annex 2, Annex 3, Annex 4, Annex 5, Annex 6, Annex 7, Annex 8, Annex 9	All
COM 290	EC	EC-Followup-3	-	-	-	-	For the FEIS, Sabina commits to providing response details in an updated version of the Spill Contingency Plan for a potential ammonium nitrate spill to water.	10	5	8.3.4	26 to 27
COM 291	EC	EC-Followup-4	-	-	-	-	Sabina commits to replacing the references from (Section 7.2.2 Regional Environmental Emergencies Team of the Oil Pollution Emergency Plan; and Section 2.1.6, Spill Response Procedures, of the Shipping Management Plan) with the Environmental Emergencies Science Table information provided by Environment Canada.	10	6 15	7.2.2 7.9	15 to 16
COM 292	TC	-	-	TC-1	-	-	Sabina commits to amending the legislative requirement section of the OPEP to comply with section 168 (1) (b) (iii) of the CSA, 2001. Sabina will include a list of all employees authorized to implement the OPEP and their contact information, on the Oil Handling Facility Declaration. It should be noted that any list of authorized employees would be initial in detail as Sabina will not have all relevant positions hired. All requested information will be included in the FEIS.	10	6	Oil Handling Facility Declaration (Table 1)	viii
COM 293	AANDC	-	-	AANDC-7	-	-	Sabina commits to determining potential groundwater flow pathways (where possible) and including those in the site wide water and load balance. This water and load balance will be used to determine the appropriate water management plans for all the project phases including construction, operation, closure and post closure. This information will be presented in the FEIS.	2	7	Appendix V2-7A (5.0), Appendix V2-7H (3.2.7, 4.2.3, 9.3)	All, 23, 26, 57
COM 294	AANDC	-	-	AANDC-8	-	-	Sabina commits to determining the groundwater flow pathways and including those in the site wide water and load balance. This water and load balance will be used to determine the appropriate water management plans for all the project phases including construction, operation, closure and post closure. This information will be presented in the FEIS.	2	4 7	4.2.9.1 Appendix V2-7A (5.0), Appendix V2-7H,	4-19 All, 23, 26, 57
COM 295	AANDC	AANDC-13	-	-	-	-	Sabina commits to providing additional design details deemed necessary for any planned raw water intakes in a future update to the Site Water Monitoring and Management Plan in the FEIS.	2 10	7 7	Appendix V2-7I, Appendix V2-7J 3.5.2	All, All 19 to 20
COM 296	AANDC	AANDC-18	-	-	-	-	Sabina commits to providing details regarding the management of potential overflow prior to pit water quality meeting limits. This will include predictions for pit filling times in the FEIS.	2 10	7 29	Appendix V2-7H 5.3	All 21 to 22

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 297	AANDC	-	-	AANDC-21	-	-	Sabina commits to providing additional rationalization of the temporal boundaries used to determine pit water quality with consideration for predicting the ultimate residual effects to water quality in the long term. A suitable water management plan will be presented in the FEIS.	2	7	Appendix V2-7H (7.0, Appendix C, Appendix D, Figures 6 to 9), Appendix V2-7I	43 to 51, All, All, All
COM 298	AANDC	-	-	AANDC-22	-	-	Sabina commits to providing a detailed site wide water and load balance for the project. This will be used to develop detailed water management plans for the different phases of the project including construction, operation, closure and post-closure. This information will be presented in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 299	AANDC	-	-	AANDC-23	-	-	Sabina commits to providing a detailed site wide water and load balance for the property. This will be used to develop detailed water management plans for the different phases of the project including construction, operation, closure and post-closure. This information will be presented in the FEIS.	2	7	Appendix V2-7H (5.4, 6.2 to 6.9)	35, 37 to 41
COM 300	AANDC	-	-	AANDC-24	-	-	Sabina commits to providing an updated Mine Closure Reclamation Plan and closure costs in the FEIS.	10	29	7	29
COM 301	AANDC	-	-	AANDC-25	-	-	Sabina commits to re-evaluating and providing additional justification on the duration of post-closure monitoring that will be required based on the new Mine Closure Reclamation Plan submitted as part of the FEIS.	10	29	5	20 to 27
COM 302	AANDC	-	-	AANDC-27	-	-	Sabina commits to including the potential for re-vegetation research in the Preliminary MCRP in the FEIS.	10	29	1.7	7 to 9
COM 303	AANDC	-	-	AANDC-33	-	-	Sabina commits to providing additional details on how Sabina will support development of a workforce that is career oriented, particularly in relation to the Continuous Development and Training Program. This information will be presented in the FEIS.	10	28	7.3	15 to 18
COM 304	AANDC	AANDC-35	-	-	-	-	For the FEIS, Sabina commits to providing an updated water balance into the management plans and water licence application material. This will specific include inputs from any saline groundwater inflow.	2	7, 8	Appendix V2-7H (3.2.7, 4.2.3, 9.3), 8.4, 8.5	23, 26, 57, 8-4 to 8-5
COM 305	AANDC	-	AANDC-44	-	-	-	Sabina commits that the AEMP analyses will explicitly consider statistical power and will be refined and developed throughout the program. For example, time-series regression analyses may be introduced to the analysis later in the AEMP to provide independent validation and verification of results.	10	19	7.2.3.1	20 to 22
COM 306	AANDC	AANDC-52	-	-	-	-	As part of the FEIS and water licencing process, Sabina commits to update and build on the Adaptive Management framework described in the EMP (Volume 10, Chapter 1).	10	3 7 8 9 12 13 16 17 18 19 20 22 23 24 26 27 28 29	4.1.1 9 8 9 9 8 8 8 8 8 8 8 5.4 7.1.2, 7.2.2, 7.2.3 7.1 8 7 6.3	 (7) 50 (12) 29 (13) 8 (16) 12 to 13 (17) 14 to 16 (18) 6 to 8 (19) 35 (20) 112 to 113 (22) 16 (23) 9 to 10 (24) 6 to 9 (26) 3 (27) 6 to 12 (28) 9 to 18 (29) 29
COM 307	DFO	DFO-5	-	-	-	-	Potential impacts due to physical works associated with the desalination plant at the MLA will be addressed as part of the overall Fisheries Offsetting Plan provided in the FEIS.	7 10	2 19 21	2.5.3.2, 2.5.3.6 7.2.2.2 6.2	35 14 6-1 to 6-2
COM 308	DFO	-	-	DFO-7	-	-	For the FEIS, Sabina will produce appropriate protocols, based on the DFO protocols, but adapted for incidental marine mammal observations by ship's personnel.	10	20	7.3.8.5	112
COM 309	DFO	-	-	DFO-8	-	-	Sabina commits to designing the desalinization plant intake and outfall structures in accordance with DFO Operational Standards and any other guidelines. Details will be presented in the FEIS.	2 10	6, 7 7	6.4.11, 7.10.1 3.2.1	6-12, 7-41 to 7-43 4 to 5
COM 310	DFO	-	-	DFO-9	-	-	Sabina commits to continuing to explore offsetting options and consultation with the affected communities through the permitting process. Offset engagement has and will continue to be primarily those communities in close proximity to the Project.	10	21	2	7 to 14
COM 311	DFO	-	-	DFO-10	-	-	Sabina commits to continue working with the DFO in the development of the offsetting plan and the quantification of Serious Harm.	10	21	2	7 to 14
COM 312	DFO	-	-	DFO-11	-	-	If any other lakes are proposed as water source lakes for closure, then Sabina commits to providing details specific to those lakes in the FEIS.	10	29	4.2	17 to 19
COM 313	DFO	-	-	DFO-13	-	-	Sabina commits to producing monitoring and adaptive management SOPs for seal lairs during the construction of the winter road to the MLA and aircraft strip.	10	20	6.4.3.4, 7.2.8	20, 68 to 69
COM 314	DFO	-	-	DFO-14	-	-	For the FEIS, Sabina commits to updating the general triage number and email address from the DEIS to the current DFO information provided.	10	5	Table 5.10-4	13
COM 315	EC	-	-	EC-1	-	-	Sabina commits to recording data on incidental seabird observations along the shipping route. Proposed methods for observations and data handling to ensure compatibility with existing databases will be included in the FEIS Wildlife Mitigation and Monitoring Plan.	10	15 20	11.3 7.3.7.5	19 to 20 110
COM 316	EC	-	-	EC-4	-	-	In order to monitor potential effects on waterfowl in on-site ponds, Sabina commits to: 1) monitoring water quality in Project ponds, 2) monitoring whether migratory waterfowl use these ponds for staging and breeding, 3) if the water quality in a pond is poor and waterfowl are using the waterbody for a sufficient period to cause the potential for harm (a combination of evaluating the water quality and the time spent using the on-site ponds), then Sabina will conduct adaptive management activities to exclude waterfowl from ponds. This information will appear in the FEIS.	10	20	6.3.3.2, 7.2.11	16, 75 to 76

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 317	EC	EC-Followup-5	-	-	-	-	For the FEIS, Sabina commits to updating the Key Government Contacts sections (Table 2-4 of the Risk Management and Emergency Response Plan and Table 5.10-4 of the Spill Contingency Plan) to remove "Wade Romanko, Env. Emerg. Officer". All Environment Canada spill information is now facilitated via the NWT/NU 24hour Spill Report Line.	10	3, 5	Table 3-4, Table 5.10-4	13, 13
COM 318	EC	-	-	EC-7	-	-	For all pertinent management plans in the FEIS, Sabina commits to the monitoring of spills in marine environments and reporting to the NT-NU Spill Line the presence of oily sheens on the water near vessels at the port site.	10	5	Table 5.10-4, 8.2.2	13, 24
COM 319	EC	-	-	EC-9	-	-	The buffers listed in Table 1 of the EC comment Section 6.1.9 will be used as guidance, taking into account site-specific and project-related restrictions for operability. Mitigation actions and their success will be reported in the WMMP report. This information will appear in the FEIS.	10	20	6.2, 7.2.3	8 to 14, 60 to 62
COM 320	EC	-	-	EC-11	-	-	Sabina commits to consulting the document titled "Preventing Wildlife Attraction to Northern Industrial Sites" (Canadian Wildlife Service 2007) while preparing procedures for waste and wildlife attractant management. This information will appear in the FEIS.	10	20	6.3	14 to 17
COM 321	EC	-	-	EC-12	-	-	The fish-out program for Llama Lake will follow the DFO protocols for such programs in Nunavut and the NWT. Suggested avoidance measures will be considered and can be included in the fish out plan in the FEIS.	10	7	3.5.3	20 to 23
COM 322	EC	-	EC-13	-	-	-	For the FEIS, Sabina commits that the potential impacts of climate change will be further considered in the Project design as a result of FS optimization. This will apply to the TIA design basis.	2 4 9 10	7 3 2 22	Appendix V2-7E, Appendix V2-7G Appendix V4-3B 2.15 3.2.8, 6.5	All, All All 2-18 to 2-19 12 to 13, 15 to 16
COM 323	EC	-	-	EC-14	-	-	In the FEIS, Sabina will add a commitment to the Site Water Monitoring and Management Plan that terrestrial discharge sites will be assessed for stability and thaw-susceptibility during detailed design and/or on-site during construction, as appropriate.	10	7	3.4.1	14 to 17
COM 324	EC	-	-	EC-16	-	-	Sabina commits to providing details of landfill design including locations, waste quantifications, and management of contact water. Consideration will be given to the Guidelines for Developing a Waste Management Plan (MVLWB, 2011). This information will appear in the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 325	EC	-	-	EC-18b	-	-	The 2013 Bathurst Inlet Marine Diesel Fuel Spill Modelling Report presented in Appendix V9-3A will be updated to show sensitive marine mammal areas and fishing areas important to Inuit, and evaluate potential effects of a spill on these figures in addition to coastal birds.	9	3	Appendix V9-3A	All
COM 326	EC	-	-	EC-18c	-	-	For the FEIS, Sabina will prepare a tactical response plan showing fuel spill dispersion modelling results relative to local sensitivities (i.e., marine birds, fishing areas, marine mammal areas), that also identifies the location of strategic booming, if any is recommended.	10	6	3.3.6, 8	7 to 9, 23 to 27
COM 327	EC	-	-	EC-18d	-	-	The FEIS Hazardous Waste Management Plan will be updated to include applicable cyanide mitigation and management measures, principles and standards.	10	12	Appendix C	All
COM 328	EC	-	-	EC-24	-	-	Sabina commits to including a reference on already established Marine VECs into the FEIS Site Water Management Plan.	10	7	2	2 to 3
COM 329	EC	-	-	EC-27	-	-	Sabina commits to including detailed mitigation measures to minimize loss/spillage; and BMPs during use, storage, transport and handling of explosives in the FEIS Explosives Management Plan.	2 10	7 13	Appendix V2-7H (4.2.7) 6.6, 6.8.1	30 to 32 12 to 14, 16 to 17
COM 330	EC	-	-	EC-28	-	-	Sabina commits to providing a detailed site wide water and load balance for the property. This will be used to develop detailed water management plans for the different phases of the project including construction, operation, closure and post-closure. This information will be presented in the FEIS.	2	7	Appendix V2-7H	All
COM 331	EC	-	-	EC-32	-	-	Sabina commits to monitoring for erosion at the western outlet of Rascal Lake with additional details to be included in the FEIS Site Water Monitoring and Management Plan.	2	6, 7	6.7, Appendix V2-7I	6-40, All
COM 332	EC	-	-	EC-35	-	-	Sabina commits to keeping information on harmonization of EEM in the FEIS AEMP and working with EC and other agencies to finalize the AEMP during the water licence process.	10	19	7.2.1, 7.2.4.2, 7.2.6, 11.2	13, 22, 25 to 35, 37 to 38
COM 333	EC	-	-	EC-36	-	-	Sabina commits to working with EC and other agencies to finalize sampling sites for the AEMP and Site Surveillance Monitoring as part of the water licence process.	10	19	7.2.2	13 to 14
COM 334	EC	-	-	EC-37	-	-	In the FEIS AEMP, Sabina commits to providing the proposed locations of sampling and the number of samples within each waterbody. This will be developed as part of the water licence process.	10	19	7.2.2	13 to 14
COM 335	EC	-	-	EC-39	-	-	As part of the AEMP for water licencing, Sabina commits to working with EC and other agencies to define "significant change" as used for the water quality and sediment quality indicators.	10	19	7.2.6	25 to 35
COM 336	EC	-	-	EC-40	-	-	Sabina commits to working with EC and other agencies to summarize and clearly present baseline data for the AEMP as well as outline all sampling procedures for previous sample collection.	10	19	7.2.3.1	20 to 22
COM 337	GN	-	-	GN-2	-	-	Through the Back River Project Socio-Economic Monitoring Program (SEMP) and annual reporting to NIRB, Sabina commits to socio-economic monitoring throughout all phases of the Project as long as there is a reasonable expectation of Project-related impacts to the socio-economic environment. This will include temporary closure and care and maintenance phases of the Project. This commitment will be included in the FEIS and finalized in the Terms of Reference.	10	23	5.1, Appendix V10-23A	4, All
COM 338	GN	-	GN-5	-	-	-	For the FEIS, Sabina commits to further refining management plans, including the overall Environmental Management Plan to include all required monitoring programs, and detail how the overall approach to resource allocation, adaptive management, and integration of TK throughout the life of the Project will be implemented. The EMP will also identify the approach to Inuit engagement and monitoring.	10	1	4.2, 5, 13	5 to 6, 9 to 11, 15 to 20
COM 339	GN	-	-	GN-19	-	-	Sabina commits to inserting a reference, in the FEIS, to Appendix B of the Cultural and Heritage Resources Protection Plan for the definition of Chance Find Procedure as well as include relevant educational material in a training program that would be provided to on-site workers.	10	27	7.1, Appendix B	3, All
COM 340	GN	-	GN-21	-	-	-	Sabina commits to providing additional clarity on proposed measures to mitigate impacts on grizzly bears as well as provide additional information related to Bear-Human Deterrent and Bear Safety within the FEIS.	10	20	6.2.3.4, 6.3, 6.4, 6.8	12 to 13, 14 to 21, 24 to 28
COM 341	GN	-	-	GN-21	-	-	More information will be added to the monitoring section of the WMMP for the FEIS that includes detail on proposed methods, threshold values, and their rational for monitoring activities.	10	20	7.2, 7.3	51 to 112
COM 342	GN	-	-	GN-22	-	-	Per the detailed response to GN-22, Sabina commits to including more information in the management sections of the WMMP for the FEIS.	10	20	6	7 to 47

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 343	GN	-	-	GN-24	-	-	Sabina commits to provide more detail on the likely framework for contributions to government-led initiatives for monitoring caribou, and a backup plan should these government-led programs not come to fruition in time for the construction of the Project. This information will appear in the FEIS.	10	20	7.1.5	50 to 51
COM 344	GN	-	-	GN-24	-	-	The Wildlife Mitigation and Monitoring Plan for the FEIS will include more information on the proposed analysis of the remote camera data used for monitoring certain wildlife VECs.	10	20	7.3	77 to 112
COM 345	GN	-	-	GN-27	-	-	Sabina will include more information in the grizzly bear monitoring and management component of the WMMP. This information will appear in the FEIS.	10	20	6.8, 7.2.5, 7.2.6, 7.2.9, 7.2.12, 7.3.2	24 to 28, 63 to 66, 69 to 71, 76 to 77, 90 to 94
COM 346	GN	-	-	GN-28	-	-	Sabina will include more information in the grizzly bear monitoring and management component of the WMMP. This information will appear in the FEIS.	10	20	6.8, 7.2.5, 7.2.6, 7.2.9, 7.2.12, 7.3.2	24 to 28, 63 to 66, 69 to 71, 76 to 77, 90 to 94
COM 347	GN	-	-	GN-29	-	-	Sabina commits to adding more information to the extensive list of sections provided in our response to GN-29. This will produce a unified response plan, including information on coordinating with government agencies and HTOs. This information will appear in the FEIS.	10	20	6.8	24 to 28
COM 348	GN	-	-	GN-30	-	-	Sabina commits to expanding the description of the analysis used to evaluate the camera techniques listed in Section 7.3.3 of the WMMP (Volume 10, Chapter 20).	10	20	7.3	77 to 112
COM 349	GN	-	-	GN-31	-	-	Sabina will update and expand the management and monitoring sections of the WMMP that deal with attraction of predators (including wolverine) to camps and managing problem wildlife (including wolverine). This information will appear in the FEIS.	10	20	6.2.3.4, 6.3, 6.4, 6.8	12 to 13, 14 to 17, 17 to 21, 24 to 28
COM 350	GN	-	-	GN-32	-	-	Additional information on the proposed raptor monitoring protocols will be added to the wildlife mitigation and management plan (WMMP) for the FEIS following guidance on measuring and analyzing a zone of influence (ZOI) on nest success by the Canadian Wildlife Service. This information will appear in the FEIS.	10	20	7.3.6	106 to 108
COM 351	GNWT	GNWT-1	-	-	-	-	As requested by the GN DOE and a stated objective of the GNWT-ENR, Sabina commits to contributing to regional caribou monitoring efforts focused on herd-level effects. This effort will be conducted in collaboration with the GN.	10	20	7.1.5	50 to 51
COM 352	GNWT	-	-	GNWT-6	-	-	Sabina commits to adding a section to the WMMP which describes the framework by which these various mitigation and monitoring activities for caribou are integrated together. This plan will describe the various stages of work alteration based on the number and distance of caribou to the Project site.	10	20	6.10	30 to 46
COM 353	GNWT	-	-	GNWT-8	-	-	Sabina will conduct grizzly bear den surveys along the winter road. Details of these surveys will be provided in the updated WMMP Plan that will be included in the FEIS.	10	20	7.2.12	76 to 77
COM 354	KIA	-	-	KIA-IR-1	-	-	Sabina commits to including more information in the WMMP plan of the FEIS on the proposed monitoring for wildlife, with emphasis on a framework for working with government to monitor caribou in the area.	10	20	7.1.5, 7.2, 7.3	50 to 51, 51 to 112
COM 355	KIA	-	-	KIA-CR-2	-	-	Sabina commits to adding more detail to each section of the WMMP that deal with limiting the attractiveness of the camp to carnivores and managing problem wildlife on site. This FEIS update to the WMMP will include more detail on monitoring measures and triggers for mitigation actions.	10	20	6.2.3.4, 6.3, 6.4, 6.8	12 to 13, 14 to 17, 17 to 21, 24 to 28
COM 356	KIA	-	-	KIA-IR-2	-	-	Sabina commits to including more information in the WMMP plan of the FEIS on the proposed monitoring for wildlife, with emphasis on a framework for an alternate monitoring plan for caribou, should the government-led plan not be in place by the point where construction is conducted.	10	20	7.1.5	50 to 51
COM 357	KIA	-	-	KIA-IR-4	-	-	Sabina commits to including more information in the WMMP plan of the FEIS on the proposed monitoring for wildlife, with emphasis on focal species monitoring for other wildlife VECs which include a discussion surrounding power and experimental design.	10	20	7.2, 7.3	51 to 112
COM 358	KIA	-	-	KIA-IR-4	-	-	Sabina commits to including more information in the WMMP plan of the FEIS on the proposed monitoring for wildlife, with emphasis for on-site monitoring for grizzly bear interactions with camp and monitoring of the waste management processes and facilities as attractants.	10	20	6.8, 7.2.5, 7.2.6, 7.2.9, 7.2.12, 7.3.2	24 to 28, 63 to 66, 69 to 71, 76 to 77, 90 to 94
COM 359	KIA	-	-	KIA-CR-5	-	-	Sabina commits to adding additional references to monitoring programs from other, similar, operating projects in similar habitats to the discussion of effects in the FEIS, where additional information is available.	5	5,6,7,8,9,10	X.5.2	5-134 to 5-187, 6-40 to 6-61, 7-22 to 7-43, 8-37 to 8-62, 9-35 to 9-51, 10-25 to 10-46
COM 360	KIA	-	-	KIA-CR-6	-	-	Sabina commits to providing a conceptual design for the closure of the project that can be used in the environmental assessment. The potential impacts of Closure effects will be identified and assessed within the FEIS.	10	29	All	All
COM 361	KIA	-	-	KIA-IR-30	-	-	In the FEIS, Sabina commits to updating Table 13.1 in the EMP to better reconcile management plan applicability to each project phase.	10	1	Table 13.2-1	18 to 19
COM 362	KIA	KIA-68	-	-	-	-	Monitoring of temperatures in stockpiles will be carried out as identified in the monitoring section of the Waste Rock and Tailings Management Plan (Volume 10, Chapter 9). Sabina commits to progress the design criteria during the feasibility study. It will be provided in the FEIS.	10	9	8	12 to 13
COM 363	KIA	KIA-93	-	-	-	-	Sabina commits to present more information on the design of the Umwelt underground plug as part of the FEIS Mine Reclamation and Closure Plan.	2	8	8.5	8-5
COM 364	KIA	KIA-113	-	-	-	-	Sabina commits to review Table 13.1 in Volume 10 Chapter 1 "Applications of Current EMP's to Phases of the Project" and make necessary changes. These changes will be reflected in the FEIS.	10	1	Table 13.2-1	18 to 19
COM 365	KIA	KIA-114	-	-	-	-	Sabina commits that the Site Water Monitoring and Management and the Mine Closure and Reclamation plans will continue to be refined for the FEIS. This will include discharge locations for mine contact water and expected potential volumes.	2 10	7 7 29	Appendix V2-7H (5.3, 6.2, 6.6,7.0, Appendix B, Appendix D), Appendix V2-7I (Figures 6 to 11) 3.6.1 1.7	34 to 35, 37 to 38, 39 to 40, All, All 26 7 to 9
COM 366	KIA	KIA-115	-	-	-	-	Sabina commits to updating the Explosives Management Plan to incorporate environment design criteria from the FS for the transport, storage and handling of explosives. These requirements will include secondary containment and procedures for spill prevention and response.	10	13	4, 6.2, 6.6, 6.8, 7, Table 8-1	3 to 4, 5 to 11, 12 to 14, 16 to 18, 18
COM 367	KIA	-	KIA-127	-	-	-	Sabina commits to providing an updated Fish Offsetting Plan in the FEIS with detail to be included in an application for a DFO authorization as follows: the number of structures being placed in aquatic habitats; structure locations and size of footprints; the type of habitat, including the importance of the habitat to fish; the magnitude of impact; and an evaluation of the ability for fish to pass at water crossings at all flow levels.	10	21	All	All
COM 368	NRCAN	NRCan-2	-	-	-	-	In the FEIS, Sabina commits to incorporating additional results, updated screening criteria, and updated geochemical interpretation into the Borrow Pits and Quarry Management Plan.	2 10	7 16	Appendix V2-7D 3.4, 6.1	All 3, 9 to 10

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
COM 369	NRCAN	-	-	NRCAN-6	-	-	Sabina commits to addressing these considerations in the Mine Waste Rock and Tailings Management Plan. Requested information will be presented in the FEIS.	10	9 29	8 6	27 to 29
COM 370	NRCAN	NRCan-7	-	-	-	-	Underground mine inflows will be sampled during operations to verify water quality predictions and inform storage and treatment requirements, as described in the Site Water Monitoring and Management Plan. Sabina commits to provide further results in the FEIS.	2 10	7 7	Appendix V2-7A (6.2) 8.2	20 to 22 48
COM 371	NRCAN	-	-	NRCAN-12	-	-	Sabina commits to justifying the duration of any post-closure monitoring that will be required based on the new Mine Closure Reclamation Plan that will be submitted as part of the FEIS.	2 10	7, 8 29	8.5 6.2	8-5 28 to 29
COM 372	NRCAN	NRCan-20	-	-	-	-	Sabina commits to address disposal of effluent treatment sludge in the FEIS Mine Closure and Reclamation Plan. The most likely disposal location would be within the TIA, prior to installation of the closure cover.	10	29	5.11	25 to 26
COM 373	NRCAN	-	-	NRCAN-20	-	-	Sabina commits to determining the groundwater flow pathways and including those in the site wide water and load balance. This water and load balance will be used to determine the appropriate water management plans for all the project phases including construction, operation, closure and post closure. This information will be presented in the FEIS.	2	7	Appendix V2-7H (6.8, 9.3)	40, 57 to 58
COM 374	NRCAN	-	-	NRCAN-21	-	-	Sabina commits to determining the groundwater flow pathways and including those in the site wide water and load balance. This water and load balance will be used to determine the appropriate water management plans for all the project phases including construction, operation, closure and post closure. This information will be presented in the FEIS.	2	7	7.2.4.4, Appendix V2-7H	7-19 to 7-20, All
COM 375	NRCAN	-	-	NRCAN-25	-	-	Sabina commits to providing a detailed site wide water and load balance for the property. This will be used to develop detailed water management plans for the different phases of the project including construction, operation, closure and post-closure. This information will be presented in the FEIS.	2	7	7.2.4.4, Appendix V2-7H (2.1.8, 3.2.7, 6.8, 9.3)	7-19 to 7-20, All
COM 376	NRCAN	-	-	NRCAN-26	-	-	Sabina commits to providing a detailed site wide water and load balance for the Project which includes sensitivity analysis as appropriate. This will be used to develop detailed water management plans for the different phases of the project including construction, operation, closure and post-closure. This information will be presented in the FEIS.	2	7	7.2.4.4, Appendix V2-7H (2.1.8, 3.2.7, 6.8, 9.0, 9.3)	7-19 to 7-20, All
COM 377	NRCAN	-	-	NRCAN-28	-	-	Sabina commits to providing a detailed site wide water and load balance for the property. This will be used to develop detailed water management plans for the different phases of the project including construction, operation, closure and post-closure. This information will be presented in the FEIS.	2	7	Appendix V2-7H, Appendix V2-7I (Figures 6 to 11),	All, All
COM 378	NRCAN	-	-	NRCAN-31	-	-	Sabina commits to providing monitoring plans of TIA water quality and quantity in the Site Water Monitoring and Management Plan. Information will be presented in the FEIS.	2 10	7 22	Appendix V2-7G (Appendix E) 6.1, 7	All 15, 16
COM 379	TC	TC-2	-	-	-	-	In the FEIS Shipping Management Plan, Sabina will confirm whether all equipment, supplies, fuel etc. will be transported to site directly from domestic locations in Canada. Shipment manifests and routing may be provided for each shipment.	10	15	4	7 to 9
COM 380	TC	-	TC-5	-	-	-	For the FEIS, Sabina commits to providing the missing appendices from the Volume 10 Oil Pollution Emergency Plan.	10	6	Annex 1, Annex 2, Annex 3, Annex 4, Annex 5, Annex 6, Annex 7, Annex 8, Annex 9	All
COM 381	TC	-	TC-9	-	-	-	For the FEIS, Sabina commits to renaming "Aviation Audits" (Volume 10, Chapter 3, Section 5.4) to "Surveillance Procedures" as Transport Canada does not conduct aviation audits.	10	3	5.4	37
COM 382	TC	-	TC-11	-	-	-	For the FEIS, Sabina commits to amend Volume 10, Fuel Management Plan Table 4-1, to include the Transportation of Dangerous Goods Regulations.	10	4	Table 4-1	3
COM 383	TC	-	TC-12	-	-	-	For the FEIS, Sabina commits to amend Volume 10, Fuel Management Plan Table 7.3-1, to include the Transportation of Dangerous Goods Regulations.	10	4	Table 7.3-1	13
COM 384	TC	-	TC-13	-	-	-	For the FEIS, Sabina commits to amend the Shipping Management Plan, 4.2.3 Explosives and Hazardous Materials, to add the Transportation of Dangerous Goods Act, 1992.	10	15	4.3.3	9
COM 385	TC	TC-14	-	-	-	-	For the FEIS, Sabina will commit to amending the Explosives Management Plan (Training and Certification Requirements) to include the Transportation of Dangerous Goods Regulations.	10	13	6.4	11 to 12
COM 386	TC	TC-15	-	-	-	-	For the FEIS, Sabina commits to detailing steps in the application process for an "Emergency Response Assistance Plan" approval. The Explosives Management Plan will detail how the transportation of explosives will be conducted at all project storage sites.	10	13	6.6, 6.7	12 to 16
COM 387	TC	TC-16	-	-	-	-	For the FEIS, Sabina commits to amending the Spill Contingency Plan (Section 6.1.8) to include (the Transportation of Dangerous Goods Regulations Part 8) 30 day spill reporting requirement.	10	5	2	4 to 6
COM 388	TC	TC-17	-	-	-	-	For the FEIS, Sabina will commit to indicating whether an Emergency Response Assistance Plan approval is required for the transportation of any of the reagents required by the project.	10	5	8.3.4	26 to 27
COM 389	YKDEN	YKDFN- 1-2	-	-	-	-	Sabina commits to consult with Environment Canada on how monitoring criteria will be further defined in subsequent revisions of the Incineration Management Plan. This will be provided in the FEIS and the ensuing application for a Type A Water License with the NWB.	10	11	8.1	8
COM 390	AANDC	AANDC-46	-	-	-	-	For the FEIS, Sabina will remove the reference to Appendix G (from Vol 11, Appendix 4C, Section 5.9).	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
COM 391	EC	EC-12	-	-	-	-	For the FEIS and draft water licence application, Sabina commits to providing design information for water management structures. Design criteria will be presented along with an account of how climate change predictions have been considered in the selection of design criteria. Contingency measures will be identified as an intergral part of design.	2 9	6, 7, 8 2	6.4.12, 6.6.3, 7.10, 8.13 2.15, 2.16	6-13, 6-24, 7-42 to 7-48, 8-7 to 8-8 2-18 to 2-19
COM 392	KIA	-	KIA-61	-	-	-	In the FEIS, Sabina commits to including additional information on identified quarry sites, with drawings to support regulatory applications presented in Volumes 11 and 12. Estimates on the vertical alignments, the fill requirements for access roads, site roads, and airstrips will be provided along with drawings to support regulatory applications.	2 10	6, 7 16	6.6.4, Appendix V2-7C, Appendix V2-7I 3.2, 6.4	6-24 to 6-25, All, All 3, 11 to 12
TM/PHC 1	AANDC	-	-	-	AANDC TRC 1	-	Sabina commits to show within the FEIS how alternatives were analyzed and to explain when options are dropped off, identify rationale for the selection, and clarify which alternative options remain a possibility. This should include how environmental and socio-economic factors have been applied to the selection of alternatives.	2	4	4.1, 4.4, Appendix V2-4A, Appendix V2-4C	4-1 to 4-3, 4-29, All, All
TM/PHC 2	NRCAN	-	-	-	NRCan 7	-	Sabina commits to provide any additional site specific investigations (e.g. geotechnical, geophysical) of the foundational materials for proposed alignments for dykes and embankments, that are undertaken in the next six months, in the FEIS.	2	7	7.1.5.1, Appendix V2-7C	7-10 to 7-13, All
TM/PHC 3	KIA	-	-	-	KIA IR 9, 10, 12	-	Sabina commits to providing information on ground ice based on results of geotechnical site investigations conducted between the release of its feasibilty study and submission of the FEIS.	2 5	7 2	Appendix V2-7C 2.1.2.4	All 2-21 to 2-22

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
TM/PHC 4	AANDC	-	-	-	IR 15	-	Sabina commits to presenting the seepage data for the airstrip as soon as practical and to assessing the reuslts in the context of an adaptive management framework within the waste rock management plan to be submitted as a part of the FEIS.	2 10	7 9	7.2.6, Appendix V2-7D (Appendix O) 3.3	7-24 to 7-26, All 6 to 8
TM/PHC 5	KIA	-	-	-	n/a	-	Sabina commits to demonstrating consideration of realignment of the winter road north of Tahikafflok Lake (Bathurst Lake) to the marine laydown area in order to address potential impacts to identified riparian zones. This reconsideration may include a site visit conducted in coordination with the KIA discussion of which shall be included within the FEIS.	2	1	Figure 1.6-4	1-15
TM/PHC 6	NWB	-	-	-	n/a	-	Sabina commits to providing a discussion of potential tailings slurry density, taking into account other projects in the north, specifically Meadowbank. This information wil be included wtihin the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
TM/PHC 7	NRCAN	-	-	-	NRCan 36/37	-	Sabina commits to further consult and engage with NRCan regarding its response to technical review comments 36 and 37 prior to submission of the FEIS.	2	7	7.2.6	7-24 to 7-26
TM/PHC 8	GN	-	-	-	IR 12	-	Sabina commits to removing reference to a hard-surface airstrip in the FEIS.	2	6, 8	6.3.1.1, 8.10	6-2, 8-6
TM/PHC 9	GN	-	-	-	CR 20	-	For the FEIS, Sabina commits to detailing whether bulk fuel storage will include overwintering of fuel vessels in sea ice.	2	4	4.3.9	4-27 to 4-28
TM/PHC 10	NWB	-	-	-	n/a	-	Sabina commits to demonstrating in the FEIS that it has considered the experience gained at Meadowbank with respect to dust suppression as well as its related effects assessment, and water consumption rates.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
TM/PHC 11	KIA	-	-	-	CR 14	-	Sabina commits to come up with a methodology for modelling climate change and to discuss it with the KIA and other interested parties prior to the submission of the FEIS.	4	3	3.4.1.2, Appendix V4-3C	
TM/PHC 12	KIA	-	-	-	KIA CR 14	-	Can Sabina commit to considering 100 years post closure timeframe in their climate change modeling as standard to design tailings storage facility, Sabina deferred	2 4	7 3	Appendix V2-7E (4, Attachment A) Appendix V4-3B	3, All All
TM/PHC 13	KIA	-	-	-	KIA IR 18	-	Sabina commits to providing more detail on the operation of the incinerator and management of emissions in the FEIS. Details will include: the make and model of the incinerator including a letter from the manufacturer stating that it is designed to incinerate sewage sludge, adheres to EC's guidance document on batch incineration, and is a dual-chamber incinerator. Details will be provided for adpative management if elevated metals, dioxans, furans, and/or ammonia are detected through the dustfall monitoring program.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
TM/PHC 14	GN	-	-	-	IR 18	-	At this time the Goose Property Airstrip will not be designed to accommodate aircrafts as large as a Boeing 767. If larger aircraft are selected as a viable option, Sabina commits to updating the air quality and noise models and conduct an effects assessment to address the potential effects of this larger class of aircraft. This would be included in the FEIS.	2 4	6 2	6.3.1 2.1, Appendix V4-2B (3.4, 3.5, 3.6.2, 4.2), Appendix V4-2C	6-2 to 6-3 2-1 to 2-6, 3-9 to 3-11, 3-12, 4-4 to 4-9, All
TM/PHC 15	GN	-	-	-	TRC 35	-	Dustfall sampling locations will be chosen to ensure that all large sources of emissions are monitored. Sabina will consult with the GN on the number and location of sampling sites prior to finalizing the Air Quality Monitoring Plan for the FEIS.	10	17	7.2.1	11
TM/PHC 16	NWB	-	-	-		-	Sabina commits to include the conceptual design of all water management structures within the water licence application filed as part of the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
TM/PHC 17	KIA	-	-	-	IR 22, 23, 25, 26	-	Sabina commits to develop site specific water quality objectives where relevant for parameters that naturally exceed CCME protection of aquatic life levels. This pertains to each of the project locations including Goose, George and the Marine Laydown Area.	6	4	4.5.4	4-45 to 4-56
TM/PHC 18	AANDC	-	-	-	AANDC 13	-	Sabina commits to reviewing table 4.8-1 for the FEIS to ensure clarity with the text that water will not be discharged to the aquatic receiving environment prior to meeting site water quality objectives.	6	4	4.8	4-59 to 4-62
TM/PHC 19	AANDC	-	-	-	AANDC 15	-	Sabina commits to providing more details in the FEIS on the waste water management strategy including sewage effluent. This will include discharge locations and the characteristics of those locations as well as impacts on the receiving environment, attenuation capacity, end of pipe locations, seasonal considerations, alternatives, and design or engineering contingencies.	2	7	Appendix V2-7H (4.2.5, 5.4.2), Appendix V2-7J	29 to 30, 36, All
TM/PHC 20	AANDC	-	-	-	AANDC-22	-	Sabina commits to reviewing the need for contingency measures in relation to all potentially contaminated discharge (of particular concern and interest to AANDC are potential discharges from the waste rock storage areas, tailings impoundment area, and the pit lakes at closure). Where it is deemed that contingency measures would significantly reduce the risk to the environment, those measures will be presented in the FEIS. Where contingency measures are not provided, a rationale will be provided as to why they are not necessary.	2 10	7 29	Appendix V2-7H (5.4) 6.1, 6.3	35 to 36 27 to 28, 29
TM/PHC 21	EC	-	-	-	EC-26	-	Sabina commits to including sensitivity analysis for approach of zero-discharge volumes within the detailed site wide water and load balance presented in the FEIS to address higher than predicted water volumes.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
TM/PHC 22	EC	-	-	-	EC-28	-	Sabina will provide detailed effluent quality predictions, an assessment of the receiving environment concentrations, and identification of water quality objectives within the FEIS.	2	7	Appendix V2-7H (5.3, 5.4.2)	34, to 35, 36
TM/PHC 23	DFO	-	-	-	3.1.1	-	As part of the Site Preparation Application and in the FEIS, Sabina commits to provide DFO and other parties with supplemental information on how the Rascal stream realignment may affect the following: existing channel stability and erosion potential; the potential for re-suspension of sediments in ponds; and areas with undefined channels.	2	6, 7	6.7, Appendix V2-7I	6-40 to 6-42, All
TM/PHC 24	DFO	-	-	-	3.1.1 (DFO 2)	-	As part of the Site Preparation Application and in the FEIS, Sabina commits to provide DFO and other parties with supplemental information on whether Arctic grayling spawning and rearing habitat is limiting within the watershed for the population using the stream.	2	6, 7	6.7, Appendix V2-7I	6-40 to 6-42, All
TM/PHC 25	DFO	-	-	-		-	As part of the Site Preparation Application and in the FEIS, Sabina commits to provide DFO and other parties with supplemental information on how the Rascal stream realignment may result in Arctic grayling spawning and egg stranding in the deactivated reaches of Rascal Stream East.	2	6, 7	6.7, Appendix V2-7I	6-40 to 6-42, All
TM/PHC 26	KIA	-	-	-	IR-29	-	Sabina commits to provide a discussion of the expected seepage volume from the tailings storage facility in the perimeter ditches and a threshold for a maximum acceptable flow to be included in the FEIS. Sabina also commits to provide further discussion of mitigation within the FEIS and specific adaptive management protocols that would be triggered should the proposed thresholds be breached.	2 10	7 22	Appendix V2-7G (5.13, 5.14, Appendix E) 6.1, 7	26, All 15, 16
TM/PHC 27	KIA	-	-	-	IR-30	-	Sabina commits to ensuring that all mine phases are addressed within plans listed in the FEIS (as presented in the DEIS table 13.1), including: the Mine Waste Rock and Tailings Management Plan (addition of construction and closure phases), the Site Water Monitoring and Management Plan (addition of temporary and final closure phases), and the Fish Offsetting Plan (addition of final closure phase).	10	1	Table 13.2-1	18 to 19

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
TM/PHC 28	KIA	-	-	-	n/a	-	Sabina commits to working with the KIA, EC, and DFO on the components of the final AEMP prior to submission of the FEIS.	10	19	All	All
TM/PHC 29	KIA	-	-	-	IR-16	-	Sabina commits to providing the appropriate justification for design criteria adopted for any water management structures at Lytle and Occurrence Lakes and to demonstrate a consideration for whether or not contingency plans are warranted within the FEIS.	N/A	N/A	As approved by the NIRB on September 28, 2015, this Commitment is not longer required do to Project enhancements.	N/A
TM/PHC 30	AANDC	-	-	-	AANDC-23	-	Sabina commits to providing within the FEIS, an estimate of water quantity and quality produced throughout the project, parameters to form the basis for design of water management structures, monitoring that will be required at each of the sites and how this monitoring will be effective, and associated treatment options.	2	7	Appendix V2-7H	All
TM/PHC 31	AANDC	-	-	-	AANDC-26	-	Sabina commits to providing in the FEIS an updated preliminary closure plan which includes definitions of temporary closure and care and maintenance including outlining what activities and monitoring may continue at the project subject to the phase within which care and maintenance is implemented.	10	29	3	14 to 17
TM/PHC 32	EC	-	-	-	EC-24, EC-36	-	Sabina commits to include the marine laydown area within water management plans as presented in the FEIS.	2 10	7 7	Appendix V2-7I 3.3.3	All 13 to 14
TM/PHC 33	EC	-	-	-	EC-27	-	Sabina commits to incorporate contributions from blasting reagent residues in the water balance and load estimates submitted within the FEIS.	2	7	Appendix V2-7H (4.2.7)	30 to 31
TM/PHC 34	EC	-	-	-	EC-31	-	Sabina commits to identify appropriate surrogates for total suspended sediment (TSS) assessment and to continue to calibrate this with build data.	10	19	7.2.6.1	25 to 27
TM/PHC 35	TC	-	-	-		-	Sabina commits to providing sufficient detail in the FEIS that would clarify any alternative to relocate or adjust the spatial location of a tailings impoundment area with repect to any involved or surrounding waterbodies as such relate to navigability.	2 10	4 22	4.2.5.3 6.4	4-13 15
TM/PHC 36	KIA	-	-	-		-	Sabina commits to giving consideration to high salinity within its groundwater model and subsequent data presented within the FEIS.	2	7	Appendix V2-7A, Appendix V2-7H	All, All
TM/PHC 37	KIA	-	-	-	KIA CR-10	-	Sabina commits to further sampling and analysis during operations where required to support waste rock management activities. It is anticiapted that there will be two components to this work, including collection and analysis to classify waste rock during the mining process, and sampling and anaysis to verify the effectiveness of the management plans. Details on these plans will be provided in the waste rock management plan submitted as part of the FEIS.	10	9	7.1	11 to 12
TM/PHC 38	GN	-	-	-	GN-1	-	The Proponent commits to include project-specific data concerning employee community of residence and number of employees that relocated from the year prior (to and from, for Cambridge Bay, Kugluktuk, Taloyoak, Gjoa Haven, and Kugaaruk) in their Socio-Economic Monitoring Program within the FEIS and subsequent annual reports. The details of this process will be captured in the Terms of Reference for the project-specific Back River Socio-Economic Monitoring Committee.	10	23	5.3, Table 5.3-1	5 to 9, 6 to 9
TM/PHC 39	GN	-	-	-	GN-3	-	Sabina commits to provide a summary of initiatives it supports through its Donations Policy pertaining to "youth and education" and "community wellness and traditional lifestyle" in the FEIS and to provide details of a potential summer student program directed at post-secondary.	3	1	1.5.3.4	1-35
TM/PHC 40	GN	-	-	-	GN-4	-	Sabina commits to provide full National Occupational Coding in its workforce schedule, and to identify and register with the appropriate GN department, all trades persons and apprentices working within the Project operations. Sabina will consult with the GN's Department of Family Services Career Development Division to identify current apprentice students for training and employment.	10	28	7.3.2.1	16
TM/PHC 41	GN	-	-	-	GN-17, GN-18	-	Sabina commits to work with the GN's Territorial Archaeologist to provide the maps and site status reports in a manner and timeline that is agreeable to both parties and to be determined at a later date. Timing will be included within the FEIS.	10	27	11	12
TM/PHC 42	AANDC	-	-	-	AANDC-35	-	Sabina commits to working with the GN, AANDC and other interested parties to develop a draft Terms of Reference for a Back River Socio-Economic Monitoring working group; a summary of the draft Terms of Reference will be provided in the FEIS.	10	23	1, Appendix V10-23A	1, All
TM/PHC 43	KIA	-	-	-	KIA IR-1, 2, 4	-	Sabina commits to providing within the FEIS, more detail specifying site-specific monitoring plans, specific thresholds and triggers and adaptive management responses with regard to wildlife.	10	20	7.2, 7.3	51 to 112
TM/PHC 44	KIA	-	-	-	KIA IR-1, 2, 4	-	Sabina commits to providing additional clarity on project specific monitoring associated with wildlife VECs in question within the FEIS (noting that these would not be at the population level, and would be focused on project effects).	10	20	7.2, 7.3	51 to 112
TM/PHC 45	KIA	-	-	-	KIA CR-1, 2, 3, 4	-	Sabina commits to provide within the wildlife and cumulative effects assessments, a better explanation or justification for the magnitude rating cut off points including the divisions between nil, low, and moderate. If there is not sufficient data to justifiy these divisions as suggested above, Sabina commits to remove the restriction from the methodology chapter that the EIA practitioner must conclude that an effect is not significant if they select low.	5	5,6,7,8,9,10	5.5.1.3, 6.5.1.2, 7.5.1.3, 8.5.1.2, 9.5.1.3, 10.5.1.3	5-133 to 5-134, 6-40, 7-22, 8-36 to 8-37, 9-35, 10-24 to 10-25
TM/PHC 46	KIA	-	-	-	KIA CR-1, 2, 3, 4	-	Within the wildlife and cumulative effects assessments, Sabina commits to include species specific duration categories with justification for each, or if not sufficient data to justify species specific duration categories, as suggested above, Sabina removes restriction that the EIA practitioner must conclude that an effect is not significant if they select short term as their duration value.	5	5,6,7,8,9,10	5.5.1.3, 6.5.1.2, 7.5.1.3, 8.5.1.2, 9.5.1.3, 10.5.1.3	5-133 to 5-134, 6-40, 7-22, 8-36 to 8-37, 9-35, 10-24 to 10-25
TM/PHC 47	EC	-	-	-	EC-10; 6.1.10	-	Sabina commits to reduce disturbance to known colonies of nesting, feeding, or moulting birds by imposing flight restrictions to maintain a distance of 3000 metres from colonies of birds.	10	20	6.5	21 to 22
TM/PHC 48	EC	-	-	-	EC-9; 6.1.9	-	Sabina commits to demonstrating consideration for inclusion of EC's recommended setback distances within the FEIS.	10	20	6.2, Table 6.2-2, 7.2.3	8 to 14, 12, 60 to 62
TM/PHC 49	GN	-	-	-	IR 14	-	Sabina commits to updating Table 5.6-2 (Cumulative Habitat Loss in the Bathurst Caribou CEA Boundary) in the FEIS. For closed or past developments it was assumed that dust no longer contributes as habitat alteration and wildlife are anticipated to reinhabit these areas, thus blank cells should read NA.	5	5	5.6.2, Table 5.6-1	5-203 to 5-238, 5-205 to 5-207
TM/PHC 50	GN	-	-	-	CR 15	-	For the FEIS, Sabina commits that updates will be provided to include the most recent 2012 data in Volume 5, Table 5.1-2 (Bathurst Caribou Herd Population Numbers and Breeding Females from 1986 to 2009).	5	5	Table 5.1-2, 5.1.2, 5.5.2, 5.5.4, 5.6	5-16, 5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
TM/PHC 51	GN	-	-	-	IR 19	-	Sabina commits to include the Nunavut Wildlife Act in the List of Permits, Licenses, and Authorizations Required for the Project in the FEIS.	1	2	Appendix V1-2	

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
TM/PHC 52	GN	-	-	-	GN-20	-	Sabina commits to including text in the FEIS referencing Project-related effects in the context of Nunavut wildlife management populations.	5	6,7,8	X.5.2.1, X.5.2.2, X.5.4	6-43 to 6-47, 647 to 6-55, 6-64 to 6-67, 7-25 to 7-30, 7-30 to 7-40, 7-46 to 7-48, 8-40 to 8-43, 8-43 to 8-58, 8-65 to 8-68
TM/PHC 53	GN	-	-	-	TRC 20	-	Sabina has assessed areas where wildlife may be disturbed by noise as indirect habitat loss. Sabina commits to providing additional information (which may include literature) within the FEIS to describe potential effects to wildlife that may continue to use this area, including energy expenditure, stress and population health.	5	5,6,7,8	X.5.2.8	5-170 to 5-187, 6-59 to 6-61, 7-42 to 7-43, 8-61 to 8-62
TM/PHC 54	GN	-	-	-	TRC 21	-	Sabina commits to include in the WMMP as part of the FEIS, a plan to collaborate with the GN and other co-management partners in future population level monitoring of grizzly bear, wolverine, musox, and caribou, if and when such monitoring is undertaken.	10	20	7.1.5	50 to 51
TM/PHC 55	GN	-	-	-	TRC 21	-	Sabina commits to demonstrate in the FEIS how the remote camera study (if this is the program used) design will meet species-specific monitoring objectives taking into account the differences in sampling requirements amongst program objectives as well as differences in the expected densities and distribution amongst the species being monitored. Clarify how remote cameras will be effective at detecting change in low density species.	10	20	7.3	77 to 112
TM/PHC 56	GN	-	-	-	TRC 21	-	Sabina has made the commitment to participate in regional monitoring plans, lead by government, for several wildlife VECs, including caribou, muskox, grizzly bear and wolverine if and when they exist. At that time, these regional, government-led programs will replace the proposed regional monitoring plans in the DEIS WMMP. An update on this commitment is to be provided within the FEIS.	10	20	7.1.5	50 to 51
TM/PHC 57	GN	-	-	-	TRC 21	-	Sabina commits to verifying model results that determined areas of indirect habitat loss for wildlife using actual field noise monitoring results and to present this information within the FEIS.	10	20	7.2.10	71 to 75
TM/PHC 58	GN	-	-	-	TRC 21	-	Sabina commits to include in the WMMP as presented in the FEIS, additional details on the design of focal species monitoring programs including the metrics being measured, sampling design and intensity, threshold values for acceptable impacts and expected sample size and ability to detect when thresholds have been exceeded.	10	20	7.2, 7.3	51 to 77, 77 to 112
TM/PHC 59	GN	-	-	-	TRC 22	-	Sabina commits to include within the FEIS, additional details for mitigation measures and the associated implementation protocols, specifically: (a) Human-wildlife conflict management, including the establishment of i) Project-related wildlife mortality thresholds above which mitigation measures would be revised and adapted ii) communication protocols with regulatory agencies and co-management organizations on the use of deterrents, translocations or destruction of wildlife especially bears and furbearers. (b) Nest management plans (c) Den site management plans.	10	20	6.2, 6.8	8 to 14, 24 to 28
TM/PHC 60	GN	-	-	-	TRC 22	-	Sabina commits to update within the FEIS, mitigation measures and associated implementation protocols to include detailed staged reduction in Project activities in response to approaching wildlife, including the different stages of work reduction and how they would be triggered.	10	20	6.10	30 to 46
TM/PHC 61	GN	-	-	-	TRC 22	-	Sabina commits to, within the FEIS, clarifying inconsistencies regarding proposed mitigation measures relating to staged reduction in Project activities in response to approaching wildlife, including considerations of wildlife group size and composition, season, sensitive periods, and distance to Project.	10	20	6.10	30 to 46
TM/PHC 62	GN	-	-	-	TRC 22	-	Sabina commits to the development of a mitigation response decision tree for approaching caribou. This would consider multiple variables such as species, group size and composition, season, sensitive periods, and distance to Project in determining the appropriate mitigation response. This will be included within the FEIS.	10	20	6.10	30 to 46
TM/PHC 63	GN	-	-	-	TRC 22	-	Sabina commits to enhance monitoring mechanisms for detecting wildlife approaching the Project as triggers for mitigation actions such as blasting management, traffic management and staged work reductions. These should take into consideration the required time for implementation of mitigation measures following detection of approaching wildlife. This detection capacity can be enhanced by giving consideration to measures such as the use of dedicated wildlife monitors stationed at key points around the site and at distances up to 4km from the site during sensitive caribou periods, use of spotting scopes for distant scanning, height of land surveys and potentially the use of elevated observation platforms around the project site.	10	20	6.10	30 to 46
TM/PHC 64	GN	-	-	-	TRC 28	-	Sabina commits to including potential effects on hunting allocations due to potential Project related direct mortalities of grizzly bears within the FEIS.	5	6	6.5.5	6-67 to 6-69
TM/PHC 65	GN	-	-	-	TRC 27	-	Sabina commits to update the FEIS to include the final results of the grizzly DNA study conducted in 2012 and 2013 including additional details on methodology and analytical approach as requested by the GN	5	6	6.1.5	6-9 to 6-22
TM/PHC 66	GN	-	-	-	TRC 27	-	Sabina commits to develop adaptive management measures to mitigate potential impacts to grizzly bears from defense kills should set thresholds be exceeded and to include this information within the FEIS. Adaptive management measures include undertaking DNA mark-recapture studies for grizzly bears similar to those conducted in baseline studies to assess the significance of potential impacts.	10	20	6.8, 7.3.2.3	24 to 28, 92
TM/PHC 67	GN	-	-	-	TRC 24	-	Sabina will include more detail on the definition of "population and subpopulation health" and "acceptable risk thresholds" in definition of Significance Ratings in the FEIS.	5	5	5.5.1.1, 5.5.1.3	5-131 to 5-132, 5-133 to 5-134
TM/PHC 68	GN	-	-	-	TRC 24	-	Sabina commits to develop adaptive management measures to mitigate impacts to caribou should any of the 4 herds were to dramatically shift ranges into the Project area or migration routes during the life of the Project and to include this within the FEIS.	10	20	6.10	30 to 46
TM/PHC 69	GN	-	-	-	TRC 29	-	Sabina commits to develop a stand-alone Bear Safety and Response Plan that pulls together relevant information provided in the DEIS and to include thresholds for acceptable impacts associated with human-bear conflicts (e.g. number of problem bear encounters per year, number of translocations required, number of direct mortalities resulting) and proposed actions to be taken if these thresholds are exceeded. This plan should also include information on coordinating with government agencies and co-management partners and will be included within the FEIS.	10	20	6.8	24 to 28
TM/PHC 70	GN	-	-	-	TRC 30	-	Sabina commits to revise the FEIS to validate the Habitat Suitability Index (HSI) that was used in the impact assessment for muskox.	5	7	7.1.5.2	7-7 to 7-14
TM/PHC 71	GN	-	-	-	TRC 31	-	Sabina will update and expand the management and monitoring sections of the WMMP that deal with attraction of predators (including wolverine) to camps and managing problem wildlife (including wolverine). This information will appear in the FEIS.	10	20	6.2.3.4, 6.3, 6.4, 6.8	12 to 13, 14 to 17, 17 to 21, 24 to 28

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
TM/PHC 72	GN	-	-	-	TRC 31	-	A discussion surrounding wolf, wolverine, and grizzly bear predation of ungulates will be added to the ungulate sections of the FEIS.	5	5,7	X.5.2.4	5-166 to 5-168, 7-41
TM/PHC 73	GN	-	-	-	TRC 32	-	Additional information on the proposed raptor monitoring protocols will be added to the wildlife mitigation and management plan (WMMP) for the FEIS following guidance on measuring and analyzing a zone of influence (ZOI) on nest success by the Canadian Wildlife Service. This information will appear in the FEIS.	10	20	7.3.6	106 to 108
TM/PHC 74	GN	-	-	-	TRC 32	-	Sabina commits to update the WMMP to include an example of a nest specific management plan for a nest located with the PDA to illustrate the range of mitigation and monitoring actions that would be undertaken.	10	20	6.2, 7.1.4, 7.2.3	8 to 14, 49 to 50, 60 to 62
TM/PHC 75	GN	-	-	-	TRC 32	-	Sabina commits to include in the WMMP for the FEIS, a protocol for working with the GN and other co-management partners to mitigate impacts on nests located within the PDA, including the requirement for seeking regulatory approval prior to any action that could potentially damage/destroy or disturb these nests.	10	20	6.2, 7.1.4, 7.2.3	8 to 14, 49 to 50, 60 to 62
TM/PHC 76	GN	-	-	-	TRC 32	-	Sabina commits to provide additional detail to the raptor chapter of the FEIS (Volume 5, Chapter 10) to provide relevant citations to support mitigation activities.	5	10	10.5	10-22 to 10-51
TM/PHC 77	GN	-	-	-	TRC 36	-	Sabina acknowledges the requirements of the Scientists Act and commits to ensuring that legislated reporting requirement under the Scientists Act are reflected in the FEIS.	10	20 26	4 7.5	6 10
TM/PHC 78	GN	-	-	-	TRC 37	-	Sabina commits to update the table on Permits and Approvals for Mine Development in the FEIS to include all relevant authorizations required for the life of the Project.	1	5	Appendix V1-5	All
TM/PHC 79	EC	-	-	-	EC 2 / 6.1.2	-	Sabina commits to recommending that shippers adhere to the 30 km setback from Prince Leopold Island as proposed by EC and assuming ship safety. This information will be included within the FEIS.	7 10	6 15	Appendix V7-6A (4) 1.2	4-5, 4-6, 4-8
TM/PHC 80	EC	-	-	-	EC 5 / 6.1.5	-	Sabina commits to identifying and considering known colonies of migratory bids along the shipping route and to ensure that information is considered for project shipping. This information will be included within the FEIS.	7	6	Appendix V7-6A (4)	4-1, 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-8
TM/PHC 81	EC	-	-	-	EC 25	-	Sabina commits to characterization of the brine effluent and review of alternative discharge strategies and to a further review in the FEIS of monitoring requirements of discharged brine for compliance with subsection 36(3) of the Fisheries Act prior to release to the marine environment.	7 10	2 19	2.5.3.6 7.2.2.2, Figure 7.2-2, Table 7.2-4, Table 7.2-5	35 13 to 14, 21, 23, 24 to 25
TM/PHC 82	KIA	-	-	-	n/a	-	Sabina commits to update within its FEIS, a discussion on community level capacity in spill planning and response.	10	5 6	5.11 7.2.1	
TM/PHC 83	NIRB	-	-	-	n/a	-	Sabina commits to including additional information within the FEIS as related to the potential for cumulative impacts from shipping activities associated with other proposed and approved development projects within the Kitikmeot Region, including Doris North, Phase 2 Hope Bay Belt, Hackett River, and Izok Corridor.	7	6	Appendix V7-6A (3)	Page 3-1, 3-2, 3-3, 3-4 Appendix 1 (page 1 of 1)
TM/PHC 84	GN	-	-	-	GN-25	-	Sabina will review the references related to occurrence of polar bears in the marine environment in particular known summer time concentrations along the shipping route and update the information within FEIS as needed.	7	6	Appendix V7-6A (5)	5-1, 5-2, 5-3, 5-4
TM/PHC 85	GN	-	-	-	GN-26	-	Sabina commits to working within the existing regulatory framework defined by Transport Canada. An approved SOPEP will be in place by the shipping provider prior to the commencement of any shipment.	10	15	2.1	6
TM/PHC 86	GN	-	-	-	GN-26	-	Sabina will work with the GN and other agencies to acquire appropriate data related to polar bears distribution and density to assess worst case and best case scenarios should a fuel release or spill event occur in the marine environment along the shipping route. Using the available data where applicable, Sabina will for the FEIS: 1) highlight rough densities of polar bears along the shipping routes; 2) provide further rationale on the risk of potential major spills and provide rationale around the parameters of magnitude (i.e., location of spill, volume of spill, area of dispersion, type of spill, response time); 3) identify worst case scenario (i.e., highest density of polar bears, high volume, worst type of liquid) and best case scenario (i.e., lowest density of polar bears, low volume, lightest type of liquid); and 4) where appropriate, update the impact assessment within the FEIS.	7	6	Appendix V7-6A (5)	5-1, 5-2, 5-3, 5-4
TM/PHC 87	GN	-	-	-	GN-26	-	Sabina commits to participate in relevant research and management initiatives and increasing understanding and mitigation of potential cumulative effects associated with the Project's shipping activities.	10	20	7.3.7.5, 7.3.8.5	110, 112
TM/PHC 88	GN	-	-	-	n/a	-	Sabina commits to limit their shipping period to the open water season and to not ship within the Nunavut Settlement Area after October 15 each year (except under unforeseen and exceptional events including consideration for vessel safety). All vessels utilized will be appropriate as defined by Transport Canada's Zone Date System. This will be included in the FEIS.	10	15	4	7 to 9
TM/PHC 89	KIA	-	-	-	n/a	-	Sabina commits to review table 6.4.4 (volume 8, ch 6) against figure 6.4-8 and to ensure all pathways identified in figure 6.4-8 are included in tables of the FEIS. Sabina shall also ensure that all inputs (including incinerator) are included in the risk assessment model as per figure 6.4-8.	8	6	6.4.1.7.4, 6.4.1.7.5, 6.4.1.8.1	Page 6-47 and Table 6.4-4, as well as page 6-60
TM/PHC 90	KIA	-	-	-	IR 3	-	Sabina commits to update the human health risk assessment and terrestrial and aquatic wildlife risk assessments with more realistic forage and consumption numbers.	8	5	Appendix V8-5B	human consumption is updated in Section 4.6, Appendix V8-5B; wildlife forage is discussed in Appendix B, of Appendix V8-5B
TM/PHC 91	KIA	-	-	-	KIA CR 3	-	Sabina commits to, within the wildlife total effects section, and within the effects assessment and cumulative effects assessment, include additional references from applicable studies with high statistical power on total effects and for other studies report a lack of power analysis or low power if applicable and revise discussion accordingly within the FEIS.	5	5,6,7,8,9,10	X.5.2	5-134 to 5-187, 6-40 to 6-61, 7-22 to 7-43, 8-37 to 8-62, 9-35 to 9-51, 10-25 to 10-46
TM/PHC 92	AANDC	-	-	-	AANDC 16	-	Sabina commits to include in the FEIS, plans or design contingencies where appropriate, that are in place to prevent and manage reasonably foreseeable worst case scenarios as they relate to accidents and malfunctions.	9	3	3.3, 3.4	3-6 to 3-20, 3-20 to 3-21
TM/PHC 93	AANDC	-	-	-	AANDC 16	-	Sabina commits to extending the accidents and malfunctions assessment into the closure and post closure periods, within the FEIS.	9	3	Table 3.2-4, Table 3.2-5	3-4 to 3-6
TM/PHC 94	NRCAN	-	-	-	n/a	-	Sabina commits to update and clarify to the extent possible, Project components and actvities related to explosives manufacture and storage within the FEIS.	10	13	6.6.2	13 to 14

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
TM/PHC 95	NRCAN	-	-	-	n/a	-	Sabina commits to provide an updated Explosives Management Plan within the FEIS and to ensure that the plan accurately describes explosives manufacturing and storage and which clarifies whether Sabina anticipates storing explosives components at the marine laydown area.	10	13	6.2, 6.6.2	5 to 11, 13 to 14
TM/PHC 96	NRCAN	-	-	-	n/a	-	Sabina commits to carrying forward updated project components and activities associated with explosives manufacturing and storage in its assessment of accidents and malfunctions (including the marine laydown area if applicable) within the FEIS.	9	3	3.3.11	3-10
TM/PHC 97	GN	-	-	-	GN-26	-	Sabina commits to provide information specific to mitigation measures for polar bears for consideration in the shipping carrier's marine spill response plan. This will be included in the FEIS.	10	15	11.2	19
NIRB 1	NIRB	-	-	-	-	NIRB-1	Sabina shall include within the FEIS further details on engagement, both planned and completed, with Transport Canada and with communities, residents and organizations in the Kitikmeot Region regarding the following points associated with planned project shipping:	3	1	1.5.3, 1.6.3	1-20 to 1-35, 1-39 to 1-47
NIRB 2	NIRB	-	-	-	-	NIRB-2	Anticipated shipping vessel sizes, types and experience of operators;	2	6	6.3.3	6-4 to 6-5
NIRB 3	NIRB	-	-	-	-	NIRB-3	Documentation of bathymetry, approaches, natural hazards, and areas sensitive to disturbance for Bathurst Inlet;	2 7 10	6 6 15	6.3.3 All Appendix V7-6A	6-4 to 6-5 All All
NIRB 4	NIRB	-	-	-	-	NIRB-4	Measures to ensure adequate spill response planning and equipment is in place for project vessels and the Proponent's proposed oil handling facilities;	10	5 6 15	All All All	All All All
NIRB 5	NIRB	-	-	-	-	NIRB-5	Communication plan for providing regular updates to local communities and organizations regarding Project shipping schedules; and	3 10	1 26	Table 1.6-1 7.2	41 to 44 7 to 8
NIRB 6	NIRB	-	-	-	-	NIRB-6	Determining the annual open water season for Bathurst Inlet and the Project shipping routes in the Nunavut Settlement Area, including contingency planning should shipping schedules required adjustment (i.e. barge overwintering areas, cat train/ice trail transport plans) owing to earlier than anticipated freeze-up.	2 10	6 15	6.3.3 4.1.1, 4.3.1,	6-4 to 6-5 7, 7 to 8
NIRB 7	NIRB	-	-	-	-	NIRB-7	Within its FEIS, Sabina shall update its discussion of groundwater to include a consideration of permafrost structures within the proposed development area which may contain high-salinity water. Where such structures are identified, it shall include discussion of the potential for high-salinity water within permafrost to be released as a result of Project activities, and include relevant mitigation measures.	2	7	Appendix V2-7A, Appendix V2-7H	All, All
NIRB 8	NIRB	-	-	-	-	NIRB-8	Sabina shall include within the FEIS, updated draft management plans for the proposed development, including but not limited to: operation of landfarms; the management of wastewater at proposed treatment facilities; the stability and integrity of the tailings impoundment area; the assessment of stability characteristics of terrestrial areas proposed for water discharge; and, the use of cyanide.	2 10	7 7 10 12	Appendix V2-7H, Appendix V2-7I, 3.3 7.5 Appendix C	All, All 13 to 14 12 to 14 All
NIRB 9	NIRB	-	-	-	-	NIRB-9	Sabina shall, within its FEIS, highlight updates or changes made to its adaptive management and/or monitoring plans for caribou and shall discuss how these changes were achieved in consultation with the governments of Nunavut and the Northwest Territories. The discussion shall also clearly identify thresholds for adaptive management (i.e. work stoppages).	10	20	6.10	30 to 46
NIRB 10	NIRB	-	-	-	-	NIRB-10	Sabina shall, where possible and in consultation with the Government of the Northwest Territories, provide additional analysis (quantitative or qualitative) in the FEIS of project impacts to caribou reproductive productivity with the objective of increasing confidence in the conclusions of Sabina's effects assessment.	5	5	5.5.2.8	5-170 to 5-187
NIRB 11	NIRB	-	-	-	-	NIRB-11	Sabina shall include within the FEIS additional discussion on project impacts to caribou in the context of the Bathurst herd's current low population levels. Sabina's assessment shall include recognition of the low population levels and include a discussion of potential project effects on population recovery. Sabina shall also describe how its mitigation measures may contribute to improved rates of recovery, and shall discuss how it may contribute to any initiatives or efforts to improve rates of recovery.	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
NIRB 12	NIRB	-	-	-	-	NIRB-12	Sabina shall demonstrate within the FEIS how the timing of its project activities may interact with harvesting by communities.	8	4	4.5.2.2, 4.5.4, 4.5.5	4-44 to 4-53, 4-55 to 4-56, 4-57 to 4-60
NIRB 13	NIRB	-	-	-	-	NIRB-13	Sabina shall include within the FEIS additional information on historic annual variation in Bathurst caribou herd movement and utilization of calving and post-calving areas.	5	5	5.1.2, 5.5.2, 5.5.4, 5.6	5-3 to 5-82, 5-134 to 5-187, 5-191 to 5-195, 5-197 to 5-242
NIRB 14	NIRB	-	-	-	-	NIRB-14	Within its FEIS, Sabina shall demonstrate a consideration of the need for, and potential incorporation of, work suspension protocols and other adaptive management measures for caribou. This shall include consideration of triggers for the implementation of such measures within relevant management plans.	10	20	6.10	30 to 46
NIRB 15	NIRB	-	-	-	-	NIRB-15	Sabina shall clearly demonstrate within its FEIS how monitoring programs will be designed to verify impact predictions made in the FEIS and describe how it plans to update monitoring programs and impact predictions during the life of the Project.	10	20	2.1, 7.2, 7.3	3 to 5, 51 to 112
NIRB 16	NIRB	-	-	-	-	NIRB-16	Sabina shall include within its FEIS, a clear rationale and discussion for its preferred zone of disturbance chosen for the assessment of impacts to caribou.	5	5	5.5.2.2, 5.6.2.2	5-148 to 5-162, 5-214 to 5-233
NIRB 17	NIRB	-	-	-	-	NIRB-17	Sabina shall include within its FEIS, update information to clarify how and where areas of uncertainty in impact predictions have been identified, and shall identify where a precautionary approach to adaptive management and/or monitoring has been undertaken.	9	1	1.2.4	1-18 to 1-34
NIRB 18	NIRB	-	-	-	-	NIRB-18	Sabina shall include within its FEIS a revised assessment of the marine environment and impacts from proposed shipping activities to include the marine shipping route within the Nunavut Settlement Area. The assessment shall demonstrate consideration for potential impacts to VECs and VSECs specific to shipping activities, cumulative effects of shipping in relation to other proposed and reasonably foreseeable projects are considered, and shall include appropriate mitigation and monitoring measures.	7	6	Appendix V7-6A (4, 5, 7, 8)	All Pages
NIRB 19	NIRB	-	-	-	-	NIRB-19	Within its FEIS, Sabina is expected to revise its cumulative effects assessment to address the following:	7	6	Appendix V7-6A (4, 5, 7, 8)	All Pages
NIRB 20	NIRB	-	-	-	-	NIRB-20	Inclusion of all presently approved and reasonably foreseeable (i.e. within the NIRB's Review process) industrial developments within the Kitikmeot region within its consideration of cumulative effects to VECs and VSECs, including the marine shipping components of each approved or potential development.	7	6	Appendix V7-6A (4, 5, 7, 8)	All Pages

Table V1-1B. Table of Commitments

ITEM	SOURCE	IR REF	CR REF	TC REF	PHC REF	PHC REPORT	COMMITMENT	VOLUME	CHAPTER	SECTION/APPENDIX	PAGE
NIRB 21	NIRB	-	-	-	-	NIRB-21	Provide clarification or justification for its use of the 95th percentile distribution range for its winter cumulative effects assessment boundary, while employing a 50th percentile distribution range for the summer range. Given noted variability in caribou ranges, Sabina shall, where possible, demonstrate consideration for the use of a 95th percentile for both summer and winter ranges, and, where note possible or feasible to do so, shall provide justification.	5	5	5.5, 5.6	5-131 to 5-197, 5-197 to 5-242
NIRB 22	NIRB	-	-	-	-	NIRB-22	Sabina shall include within its FEIS, confirmation of the removal of the Tibbit- Contwoyto road and potential connections from the scope of the Project proposal. Should Sabina wish to have this road connection remain under consideration for the assessment, it must include this component within the LSA, RSA, and include it for consideration as part of the assessments of all VECs and VSECs, including cumulative and transboundary impacts.	2	4	4.4	4-29
NIRB 23	NIRB	-	-	-	-	NIRB-23	Sabina shall include within its FEIS, clearly defined periods for proposed post-closure monitoring with justification for the chosen period(s) for each project component and/or VEC/VSEC, as applicable.	10	29	6.2	28 to 29
NIRB 24	NIRB	-	-	-	-	NIRB-24	Sabina shall within its FEIS, highlight areas where significance determinations have been further updated to take into consideration the concerns raised by reviewers.	4, 5, 6, 7, 8	X	X.5.5	4-50 to 4-55, 5-195 to 5-197, 6-67 to 6-69, 7-48 to 7-50, 8-68 to 8-70
NIRB 25	NIRB	-	-	-	-	NIRB-25	Sabina shall include within the FEIS, updated maps or illustrations which clarify the direction of migration of animals.	5	5	5.1	5-1 to 5-122
NIRB 26	NIRB	-	-	-	-	NIRB-26	Sabina shall provide within its FEIS, its statistical analyses methods and results in tabulated form where possible, and shall provide clear justification for all impact analyses and rationale for choosing the RSA, LSA, and other parameters in order to assist the reader in verifying the reasonability and reproducibility of said analyses as consistent with the NIRB's EIS Guidelines, section 7.7.	5 8 10	5, 6 5 19	Appendix V5-5B, Appendix V5-6A, Appendix V5-6B 5.1.2 7.2.3	All 5-5 to 5-6 14 to 20

Appendix V1-2

List of Permits, Licences, and Authorizations Required for Project

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Appendix V1-2. List of Permits, Licences, and Authorizations Required for Project

Responsible Authority	Legislation	Authorization	Project Activity	Permitting Strategy/Timeline
Nunavut Impact Review Board	NLCA Article 12 Nunavut Planning and Project Assessment Act (S.C. 2013, c. 14, s. 2)	Project Certificate	Required to obtain requisite permits and approvals to proceed with Project	Sabina aims to obtain a Project Certificate from NIRB by Q2/Q3-2016
Kitikmeot Inuit Association	NLCA Article 26	Inuit Impact and Benefits Agreement	Required to proceed with Project	Sabina aims to conclude successful negotiation of an IIBA after receiving a Project Certificate. Compensation agreements may form part of the IIBA.
	NLCA Article 20	Inuit Water Rights Compensation Agreement	May be required	
	NLCA Article 6	Wildlife Compensation Agreement		
	NLCA	Inuit Owned Lands - Commercial Land Use Lease	Access surface IOL to develop mine	Sabina intends to submit its commercial land use and quarry concession permit applications to the KIA once NIRB has issued a positive final hearing report to the Minister. Submission timing: mid-2016
		Inuit Owned Lands - Quarry Concession Licenses	Extract aggregate on IOL	
Nunavut Water Board	NLCA Article 13 *Nunavut Waters and Nunavut Surface Rights Tribunal Act* Nunavut Waters Regulations	Type A and B Water Licences	Required for water use and waste disposal	Sabina intends to submit its Type A Water Licence in the first half of 2016. Sabina plans to utilize its existing Type B Water Licences or new licenses with already screened activities for initial construction activities, if necessary.
Aboriginal Affairs and Northern Development Canada	*Territorial Lands Act* Canadian Mining Regulations	Prospector License Mineral leases	To obtain and hold subsurface mineral rights	Sabina intends to submit its land use and quarry permit applications to AANDC once NIRB has issued a positive final hearing report to the Minister. Sabina plans to utilize its existing land use permits and/or will apply for new interim land use permits to support initial construction, to address delays in receipt of leases, if necessary.
	Territorial Land Use Regulations	Crown Land - Class A and Class B Land Use Permits	Access surface Crown lands for initial Project development, prior to obtaining leases	
		Crown Land - Land lease and Waterlot lease	Access surface Crown lands for the Project life	
	Territorial Quarrying Regulations	Crown Land - Quarry Lease/Permit	Extract aggregate on Crown Land	

Responsible Authority	Legislation	Authorization	Project Activity	Permitting Strategy/Timeline
Transport Canada	*Navigation Protection Act*	Approval and/or Exemption	Construction of works in navigable water to protect navigation channels	Sabina will seek feedback from Transport Canada on potential impacts to navigation during review of the FEIS, and will submit formal applications under the *Navigation Protection Act* for relevant in-water works once detailed engineering has been completed. Submission timing: 2016
	Canada Shipping Act Response Organizations and Oil Handling Facilities Regulations		Approved Oil Pollution Emergency Plan (OPEP)	Conceptual OPEP included with this FEIS for Transport Canada comment. Formal submission of the OPEP to Transport Canada for approval will follow detailed engineering.
	Canada Shipping Act Response Organizations and Oil Handling Facilities Regulations		Approved Ship Oil Pollution Emergency Plan (SOPEP)	Formal submission of the SOPEP to Transport Canada for approval prior to shipping
Fisheries and Oceans Canada	*Fisheries Act* (Section 35(2))	Authorization under Paragraph 35(2)(b) of the *Fisheries Act*; required if serious harm to fish cannot be avoided. In instances in which serious harm to fish can be avoided, DFO may provide a letter of authorization in addition to compliance with Measures to Avoid Causing Harm to Fish and Fish Habitat.	Project activities directly removing or altering fish habitat: full lake dewatering, culvert installations, dam construction in watercourses, stream flow reductions and potential water and sediment quality changes.	Sabina's application for an Authorization under the *Fisheries Act* presented as Appendix V12-1D of the DEIS will be finalized after receiving a Project Certificate.
Environment Canada	*Fisheries Act (Section 36)* Metal Mining Effluent Regulations	Schedule 2 Amendment	Deposit of tailings in fish-bearing waters	Should Sabina require a Schedule 2 Amendment Sabina intends to submit its request in the first half of 2016.
Natural Resources Canada	*Explosives Act* and Regulations Blasting Permits Explosive Magazine Permits Radio Licensing	Licence for a Factory and Magazine	Required for construction of explosives factories and magazines and storage of explosives	Sabina's explosives contractor (once contracted) will obtain the requisite licence(s).

Responsible Authority	Legislation	Authorization	Project Activity	Permitting Strategy/Timeline
GN Culture and Heritage	Nunavut Archaeological and Palaeontological Sites Regulations (Nunavut) *Nunavut Historical Resources Act*	Archaeology Permit	Required to conduct archaeology surveys and to mitigate cultural/heritage resources	Archaeological permit applications will be submitted to the GN-CH by March 31 by Sabina's consulting archaeologist for survey or mitigation field work planned for the upcoming summer.
Nunavut Research Institute	*Scientist Act* (Nunavut)	Scientific Licences: Land and Water Social and Traditional Knowledge	Undertake non-biological and non-cultural heritage baseline and monitoring studies	Sabina or its consultants will obtain the requisite scientific licences as required prior to and during the life of the Project.
GN Environment	*Environmental Protection Act* (Nunavut) Spill Contingency Planning and Reporting Regulations(Nunavut)	Approval of Spill Contingency Plan		Sabina will submit its Spill Contingency Plan for approval as part of the Type A Water Licence Application. Submission timing: mid-2016
	Environmental Protection Act (Nunavut)	Hazardous Waste Generator		Sabina is currently registered as a hazardous waste generator
	Wildlife Act (Nunavut)			Sabina or its consultants will obtain the requisite wildlife research permits as required prior to and during the life of the Project.
GN Health and Social Services	*Public Health Act* (Nunavut) Camp Sanitation Regulations (Nunavut)	Approval of camp facilities	Construction and operation of camp, medical facilities, buildings and propane storage	Prior to construction and occupancy
	Emergency Medical Aid Act (Nunavut)	Medical facilities approval		
GN Community and Government Services	Building Codes (Nunavut)	Building Permits	Construction and operation of camp, medical facilities, buildings and propane storage	Prior to construction and occupancy
	Fire Prevention Act (Nunavut) Fire Prevention Regulations (Nunavut) Propane Cylinder Storage Regulations	Approval of camp facilities and propane storage		

Responsible Authority	Legislation	Authorization	Project Activity	Permitting Strategy/Timeline
Worker's Safety and Compensation Commission of Nunavut - Mine Health and Safety	*Explosives Use Act* (Nunavut) Explosive Use Regulations (Nunavut)	Authorization to store and use explosives	Required to store detonators in a magazine	Sabina's explosives contractor (once contracted) will obtain the requisite authorization(s).
	Mine Health and Safety Act (Nunavut) Mine Health and Safety Regulations (Nunavut)	Authorization to store and use explosives	Required to store detonators in a magazine	
	Worker's Compensation Act (Nunavut) Workers Compensation Regulations (Nunavut)	Authorization for Activities	Required to proceed with Project activities	Sabina is currently authorized to conduct business in Nunavut. Confirmation will be sought from WSCC if changes to this authorization are required for mine development. Sabina's contractors will be required to seek approval to work in Nunavut.

Notes:
IOL - Inuit Owned Land
NLCA - Nunavut Land Claims Agreement

Appendix V1-3
Land and Water Interests

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Appendix V1-3. Land and Water Interests

1. LAND TENURE

The Property comprises 45 federal mineral leases and 19 federal mining claims covering approximately 133,470 acres or 54,040 ha. All of the tenure is in good-standing and a description of the tenure type, size and ownership of each property is listed in Table 1-1.

Table 1-1. Mineral Tenure Status (as of October 29, 2015)

Project/ Prospects	Tenure Name	Hectares (ha)	Tenure Type	Registered Ownership as of October 29, 2015	Expiry/ Renewal Date
Goose	3694	417.92	Federal Mining Leases (7)	100% in good standing	16-Oct-16
	3695	410.27			16-Oct-16
	3696	1,077.71			16-Oct-16
	3697	1,101.8			16-Oct-16
	3698	1,073.66			16-Oct-16
	3699	1004.00			16-Oct-16
	3700	1084.59			16-Oct-16
	K12025	920.36	Federal Mining Claims (3)	100% in good standing	19-May-17
	K12026	662.42			19-May-17
	F94558	800.69			9-Sep-16
George	3562	69.48	Federal Mining Leases (19)	100% in good standing	9-Nov-16
	3598	394.16			28-Dec-15
	3599	821.11			28-Dec-15
	3600	1,008.88			28-Dec-15
	3601	1,097.91			28-Dec-15
	3602	1,027.9			28-Dec-15
	3603	1,078.08			28-Dec-15
	3604	450.01			28-Dec-15
	3605	1,036.81			19-Dec-15
	3606	1,074.04			19-Dec-15
	3607	1,033.97			19-Dec-15
	3608	1,057.61			19-Dec-15
	3649	1,046.92			19-Dec-15
	3650	200.08			28-Dec-15
	3651	1,042.07			28-Dec-15
	3653	1,074.85			19-Dec-15
	3677	536.53			16-Oct-16
	3729	111.01			16-Oct-16
	3730	749.88			16-Oct-16
	F98491	998.04	Federal Mining Claims (2)	100% in good standing	25-Nov-15
	F98492	888.29			25-Nov-15

Project/ Prospects	Tenure Name	Hectares (ha)	Tenure Type	Registered Ownership as of October 29, 2015	Expiry/ Renewal Date
Boot	3552	1,029.92	Federal Mining Leases (10)	100% in good standing	30-Dec-15
	3553	1,036.80			30-Dec-15
	3554	1,093.50			30-Dec-15
	3555	1,015.17			30-Dec-15
	3609	1,082.16			30-Dec-15
	3612	1,080.54			30-Dec-15
	3613	1,025.06			30-Dec-15
	3678	1,061.51			16-Oct-16
	3679	1,002.38			16-Oct-16
	3724	541.89			16-Oct-16
Boulder	3466	300.51	Federal Mining Leases (8)	100% in good standing	18-Nov-16
	3557	1,012.91			30-Dec-15
	3558	1,052.19			30-Dec-15
	3559	1,049.36			30-Dec-15
	3560	1,100.39			30-Dec-15
	3691	260.01			16-Oct-16
	3692	456.84			16-Oct-16
	3693	671.09			16-Oct-16
	K12027	903.96	Federal Mining Claims (6)	100% in good standing	4-Oct-22
	K12028	1,008.86			4-Oct-22
	K12029	949.73			4-Oct-22
	K12030	938.79			4-Oct-22
	K12033	290.79			4-Oct-22
	K12034	734.27			4-Oct-22
Bath	5152	983.1375	Federal Mining Leases (1)	100% in good standing	10-Mar-16
	F94554	650	Federal Mining Claims (2)	100% in good standing	9-Sep-16
	F94555	550			9-Sep-16
Del	K10862	966.74	Federal Mining Claims (6)	100% in good standing	12-Sep-18
	K10863	966.74			12-Sep-18
	K10866	966.74			12-Sep-18
	K10867	966.74			12-Sep-18
	K10869	965.52			12-Sep-18
	K10870	976.46			12-Sep-18

2. PERMITS, LICENSES AND AUTHORIZATIONS

Table 2-1 presents the current authorizations and permits that are in place for the mineral exploration activities and baseline data collection activities that are occurring on the Property and other exploration Projects held in the area.

Table 2-1. Current Authorizations and Permits (as of October 30, 2015)

Permit	Expiry (mm/dd/yyyy)	Agency	Description
KTL204C012 - Amended	12/13/2015	KIA	Boulder: Staking/prospecting, exploration (ground/air geophysics), geophysical survey, gridding and drilling
KTL204C020 - Amended	12/13/2015	KIA	Boot: Exploration (air/ground geophysics), staking, prospecting, fly/survival camp and drilling
KTL304C017 - Amended	12/13/2015	KIA	Goose: Staking/prospecting, exploration (ground/air geophysics), drilling, bulk sampling, bulk fuel storage, camp, winter road
KTL304C018 - Amended	12/13/2015	KIA	George: Staking/prospecting, exploration (ground/air geophysics), drilling, bulk sampling, bulk fuel storage, camp, winter road
KTL304F049 - Amended	12/13/2015	KIA	Winter road Bathurst Inlet to Goose and George
KTP11Q001	12/13/2015	KIA	Goose rock quarry
KTP12Q001	12/13/2015	KIA	Goose airstrip borrow area
KTP12Q002	12/13/2015	KIA	George borrow quarry
N2011F0029	12/13/2015	AANDC	Winter road connecting George-Goose
N2010F0017	9/16/2015 (extension pending)	AANDC	Winter road connecting Bathurst Inlet - Back River Project
N2010C0016	10/31/2015 (extension pending)	AANDC	Exploration activities
2BEGOO1520	02/18/2020	NWB	Goose water licence
2BEGEO1520	05/29/2020	NWB	George water licence

Appendix V1-4

List of Consultants Contributing to FEIS

Sabina
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Appendix V1-4. List of Consultants Contributing to the FEIS

Table 1. List of Consultants that Contributed to the FEIS Preparation

Contributor	Role
Sabina Gold & Silver Corp. *#375, 555 Burrard Street, Vancouver, British Columbia V7X 1M9; Tel (604) 998-4175*	
Matthew Pickard	Vice President, Environment and Sustainability
Wes Carson	Vice President, Project Development
Jeff Eng	Director, Engineering
John Laitin	Manager, Site Operations
Catherine Paul	Project Engineer
Andrew Crook	Project Engineer
Merle Keefe	Environmental Engineer
Regan Petelski	Project Development Coordinator
Ingrid Mullins	Lead, GIS
Max Brownhill	Manager, Environment
Jason Prno	Community Relations Advisor
Fernand Beaulac	EIS Advisor and Reviewer
Anne O'Toole	Government Engagement Advisor
April Wilson-Lange	Communications Specialist
Mike Setterington (EDI Environmental Dynamics Inc.)	Third Party Reviewer: Wildlife
John Virgil (Golder Associates Ltd.)	Third Party Reviewer: Wildlife
Kim Poole (Aurora Wildlife Research)	Third Party Reviewer: Wildlife
Brad Armstrong, QC (Lawson Lundell LLP)	Legal Advisor
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ERM Consultants Canada Ltd. *15th Floor, 1111 West Hastings Street, Vancouver, British Columbia, V6E 2J3; Tel (604) 689-9460*	
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Tyler Gale, M.A.Sc.	Lead, Groundwater and Permafrost
Ben Andrew, R.P.F	Lead, Terrain and Soils, and Vegetation and Special Landscape Features
Greg Sharam, Ph.D., M.Sc., B.Sc.	Lead, Terrestrial and Marine Wildlife
Ali Naghibi, Ph.D., P.Eng.	Lead, Surface Hydrology and Bathymetry
Benjamin Beall, Ph.D.	Lead, Freshwater/Marine Water Quality, Sediment Quality, Aquatic Habitat; Limnology; and Physical Processes
Kerry Marchinko, Ph.D., M.Sc.	Lead, Freshwater/Marine Fish Habitat and Community
Lisa Seip, M.A., RPCA, CAHP	Lead, Archaeology
Kent Gustavson, Ph.D., M.Sc.	Lead, Socio-economics and Land Use
Tobin Pope, B.A. ADP GIS	Lead, GIS Services
Chris Hawley, B.A.	Lead, Publishing

(continued)

Table 1. List of Consultants that Contributed to the FEIS Preparation (completed)

Contributor	Role
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JDS Energy & Mining Inc. *Suite 900, 999 West Hastings St., Vancouver, BC, V6C 2W2; Tel (604) 558-6300*	
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Trevor Herd	Infrastructure and Explosives Advisor
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Maritz Rykaart, Ph.D., P.Eng.	Project Manager
Kelly Sexsmith, M.Sc., P.Geo.	Lead, Geology and Geochemical Characterizations, ML/ARD Potential
Samantha Barnes, EIT	Lead, Water Management
Sarah Portelance, M.Eng., P.Eng.	Lead, Water Load and Balance
UBC – Department of Earth and Ocean Sciences *Earth Sciences Building (ESB) 2020 - 2207 Main Mall, Vancouver, British Columbia, V6T 1Z4 Canada; Tel (604) 822-2449*	
Greg Lawrence, Ph.D., P.Eng.	Professor of Environmental Fluid Mechanics, Hydrotechnical Engineering
Roger Pieters, Ph.D.	Research Associate

Table 2. List of Organizations Consulted and Engaged during the FEIS Preparation (as of November 1, 2015)

Organization	Contact Information
Aboriginal Affairs and Northern Development - Headquarters	15 Eddy Street 10th floor Gatineau, QC K1A 0H4
Aboriginal Affairs and Northern Development - Nunavut Region	969 Qimugjuk Building 2nd Floor PO Box 2200 Iqaluit, NU X0A 0H0
Bathurst Inlet Hunters and Trappers Organization	PO Box 1270 Cambridge Bay, NU X0B 0C0
Bathurst Inlet Lodge	PO Box 820 Yellowknife, NWT X1A 2N6
Bay Chimo Hunters and Trappers Organization	PO Box 1270 Cambridge Bay, NU X0B 0C0
Cambridge Bay Community Advisory Group	10 Omilik Road PO Box 2239 Cambridge Bay, NU XOB 0C0
Cambridge Bay Hunters and Trappers Organization	PO Box 1270 Cambridge Bay, NU X0B 0C0
Canadian Northern Development Agency - Headquarters	400 Cooper Street 5th Floor Ottawa, ON K1A 0H3
Deninu Kue First Nation	Box 279 Fort Resolution, NT X0E 0M0
Environment Canada - Prairie and Northern Region - Eastern Arctic	969 Qimugjuk Building PO Box 2200 Iqaluit, NU X0A 0H0
Environment Canada - Headquarters	351, boul. Saint-Joseph Gatineau, QC K1A 0H3
Environment Canada - Prairie and Northern Region - North	5019 - 52nd Street PO Box 2310 Yellowknife, NWT X1A 2P7
Environment Canada - Prairie and Northern Regional Headquarters	4999 - 98 Avenue NW Edmonton, AB T6B 2X3
Fisheries and Oceans - Central and Arctic Region - Eastern Arctic	#200 - 626 Tumiit Plaza PO Box 358 Iqaluit, NU X0A 0H0
Fisheries and Oceans - Central and Arctic Regional Headquarters	501 University Crescent Winnipeg, MB R3T 2N6
Fisheries and Oceans - Central and Arctic Region - Western Arctic	5204 - 50th Avenue Yellowknife, NWT X1A 0E6
Fisheries and Oceans - Headquarters	200 Kent Street Ottawa, ON K1A 0E6
Fisheries and Oceans - Canadian Coast Guard	200 Kent Street Ottawa, ON K1A 0E6
Fisheries and Oceans - Canadian Hydrographic Service	200 Kent Street Ottawa, ON K1A 0E6
Gjoa Haven Hunters and Trappers Organization	PO Box 162 Gjoa Haven, NU X0B 1J0
Government of Nunavut	Building 1104 A, Inuksugait Plaza PO Box 1000, Station 1500 Iqaluit, NU X0A 0H0
Government Northwest Territories	600, 5102-50th Avenue Yellowknife, NT X1A 3S8
Hamlet of Cambridge Bay	PO Box 16 Cambridge Bay, NU X0B 0C0
Hamlet of Gjoa Haven	PO Box 200 Gjoa Haven, NU X0B 1J0
Hamlet of Kugaaruk	PO Box 205 Kugaaruk, NU X0B 0E0
Hamlet of Kugluktuk	PO Box 271 Kugluktuk, NU X0B 0E0
Hamlet of Taloyoak	PO Box 8 Taloyoak, NU X0B 1B0
Kiilinik High School	PO Box 23 Cambridge Bay, NU X0B 0C0
Kitikmeot Heritage Society	PO Box 2160 Cambridge Bay, NU X0B 0C0
Kitikmeot Inuit Association	PO Box 18 Cambridge Bay, NU X0B 0C0
Kugaaruk High School	Kugaaruk, NU X0B 1K0
Kugaaruk Hunters and Trappers Organization	PO Box 114 Kugaaruk, NU X0B 1KO
Kugluktuk Community Advisory Group	10 Omilik Road Box 2239 Cambridge Bay, NU X0B 0C0
Kugluktuk High School	PO Box 273 Kugluktuk, NU X0B 0E0
Kugluktuk Hunters and Trappers Organization	PO Box 309 Kugluktuk, NU X0B 0E0
Lutsel K'e Dene First Nation	Box 28 Lutsel K'e, NT X0E 1A0
Netsilik School	Box 9 Taloyoak, NU X0B 1B0
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North Slave Métis Alliance	Box 2301 Yellowknife, NT X1A 2P7

(continued)

Table 2. List of Organizations Consulted and Engaged during the FEIS Preparation (as of November 1, 2015; completed)

Organization	Contact Information
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Nunavut Tunngavik Inc.	PO Box 638 Iqaluit, NU X0A 0H0
Qiqirtaq High School	Gjoa Haven, NU N0B 1J0
Taloyoak Hunters and Trappers Organization	PO Box 20 Taloyoak, NU X0B 1B0
Tlicho Government	Box 412 Behchoko, NT X0E 0Y0
Transport Canada – Headquarters	330 Sparks Street Ottawa, ON K1A 0N5
Transport Canada – Regional Offices	344 Edmonton Street Winnipeg, MB R3B 2L4
Transport Canada – Regional Offices	1100 – 9700 Jasper Avenue NW Edmonton, AB T5J 4E6
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Appendix V1-5

List of Agencies, Organizations, and Persons for FEIS Distribution

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Appendix V1-5. List of Agencies, Organizations, and Persons for FEIS Distribution

Group	Printed Copies (Full FEIS)	Printed Copies (Main Volume Only)	Electronic Copies*
Nunavut Impact Review Board Attn: Kristina Benoit Technical Services Department PO Box 1360 Cambridge Bay, NU X0B 0C0	4	9	2
Government of Nunavut Attn: Lisa-Marie Leclerc Department of Environment P.O. Box 377 Kugluktuk, NU X0B 0E0			1
Government of Nunavut Attn: Melanie Wilson Department of Environment P.O. Box 209 Igloolik, NU X0A 0L0			1
Government of Nunavut Attn: David Beamer Department of Environment P.O. Box 83 Rankin Inlet, NU X0C 0G0			1
Government of Nunavut Attn: James Rogers Department of Environment P.O. Box 1000, Station 1360 Iqaluit, Nu X0A 0H0			5
Government of Nunavut Attn: Lou Kamermans Department of Economic Development and Transportation P.O. Box 1000, Station 1500 Iqaluit, NU X0A 0H0	1		10
Kitikmeot Inuit Association - Kugluktuk PO Box 360 Kugluktuk, NU X0B 0E0	1		1
BGC Engineering Inc. Attn: Lukas Arenson Suite 500-980 Howe St. Vancouver, BC V6Z 0C8			1
Hutchinson Environmental Sciences Ltd. Attn: Neil Hutchinson 1-5 Chancery Lane Bracebridge, ON P1L 2E3			1
Zoetica Wildlife Consulting Services Attn: Heather Bears 23007-134 Loop Maple Ridge, BC V4R 0E6		1 (Vol 5 only)	1
Palmer Environmental Consulting Group Inc. Attn: Rick Palmer Suite 630, 470 Granville St. Vancouver, BC V6C 1V5			1
Environment Canada Attn: Mark Dahl 150-123 Main St Winnipeg, MB R3C 4W2			1

Group	Printed Copies (Full FEIS)	Printed Copies (Main Volume Only)	Electronic Copies*
Environment Canada Attn: Anne Wilson Eastgate Offices 9250-49 St NW Edmonton, AB T6B 1K5			3
Environment Canada Attn: Jean-Francois Dufour 5019 - 52nd Street 4th Floor P.O. Box 2310 Yellowknife, NT X1A 2P7			1
Environment Canada Attn: Raymond Kotchorek 351 St-Joseph Blvd 16th floor Gatineau, QC K1A 0H3			1
Environment Canada Attn: Tanmay Praharaj Place Vincent Massey 18th Floor 351 St. Joseph Blvd. Gatineau, Québec K1A 0H3			1
Environment Canada Attn: Reg Ejeckam 150-123 Main St Winnipeg, MB R3C 4W2			1
Government of Nunavut Department of Economic Development and Transportation Attn: Agnes Simonfalvy PO Box 41000, Station 1560 (Inuksugait Plaza, Phase 1 - if sent by courier) Iqaluit, NU X0A 0H0			1
Environment Canada Environmental Protection Operations Attn: Loretta Ransom 5019 52nd, P.O. Box 2310 Yellowknife, Northwest Territories X1A 2P7	1		2
Transport Canada Regional Headquarters Winnipeg Attn: Adam Downing 3rd Floor - 344 Edmonton Street Winnipeg, MB R3C 0P6			1
Aboriginal Affairs and Northern Development Canada Attn: Felexce Ngwa PO Box 100, Building 918 Iqaluit, NU X0A 0H0			3
Government of the Northwest Territories Department of Lands, Environmental Assessment and Monitoring Section Attn: Melissa Oink PO Box 1320 Yellowknife, NT X1A 2L9			2
Fisheries and Oceans Canada Attn: Georgina Williston 301-5204 50th Avenue Yellowknife, NT X1A 1E2			2

Notes:
Distribution list was provided by NIRB.
** Electronic copies may be obtained by contacting Sabina directly at backriverproject@sabinagoldsilver.com.*

Appendix V1-6
Commitments Table

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Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Main Volume – Chapter 10		
Sustainable Development Policy	C1-1	Sabina Gold & Silver Corp. regards itself as a responsible explorer and mineral developer. We are committed to fostering sustainable development throughout all stages of our activities. We constantly strive to conduct our operations in a manner that balances the social, economic, cultural and environmental needs of the communities in which we operate. To build on this commitment Sabina will: • Meet or strive to exceed all relevant legislated sustainable development requirements in the regions where we work. • Ensure appropriate personnel, resources and training is made available to implement our sustainable development objectives. • Establish clear lines of responsibility and accountability throughout the Company to meet these objectives. • Implement proven management systems and procedures to facilitate our sustainable development objectives. A priority will be placed on developing and implementing management structures related to the environment, health and safety, emergency response and stakeholder engagement. • Act as responsible stewards of the environment for both current and future generations. We will make use of appropriate assessment methodologies, technologies and controls to minimize environmental risks throughout all stages of mineral development. • Work closely with local communities and project stakeholders to understand their needs, address their concerns and provide project-related benefits to create win-win relationships. Our goal is to earn and maintain a social licence to operate at all our operations while building partnerships. • Pursue economically feasible projects in order to generate shareholder profitability and support long-term positive socio-economic development in the regions where we work. • Utilize a precautionary approach as it applies to potential effects from our activities. Work with employees, contractors and stakeholders to promote a culture of open and meaningful dialogue to ensure that any known or suspected departures from established protocols are reported to management in a timely manner. • Regularly review this policy to ensure it is consistent with Sabina's current activities and the most recent legislation. • Continually improve our performance and contributions to sustainable development including pollution prevention, waste minimization and resource consumption. • Implement programs at each of our operations to monitor and report compliance and proactively address potential deficiencies in our policies and procedures.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 2 - Project Description and Alternatives		
2.1 Project Design Considerations 2.1.1 Biophysical Environment (operational safeguards)	C2-2	Sabina commits to the following design considerations: • Minimize project footprint, thus minimizing the loss of habitat and reduction of habitat effectiveness. • Contain the Project mining activities within the Goose PDA. • To the extent possible, avoid known archaeological sites and prioritize avoidance of important (unique and/or old) sites. • Maintain a 31 meter buffer from streams and waterways. • Maintain a buffer zone from important wildlife dens and bird nesting areas. • Maximize sourcing of aggregate and borrow materials from open pits. • Select water sources in which Project water withdrawals will minimize the potential for drawdown and effects to fish habitat and the aquatic environment.
2.1 Project Design Considerations 2.1.3 Ecosystem Integrity	C2-3	The main mitigation measure that will be employed for the permanent alteration or destruction of fish habitat (PAD) will be avoidance.
	C2-4	A range of specific and generally accepted techniques for sediment control, riparian care, site isolation, timing/sequencing, progressive reclamation, prevention of deleterious substances to watercourses, and minimization of serious harm to fish.
2.1 Project Design Considerations 2.1.4 Application of the Precautionary Approach	C2-5	The precautionary approach will be integrated into decision making on all aspects of implementation. Where there is uncertainty or some plausible risk, conservative approaches, together with a dynamic process of adaptive management will be implemented.
2.1 Project Design Considerations 2.1.9 Consideration of Current Land Use Activities	C2-6	Sabina is committed to open communication with its industry neighbours and where possible to implement joint programs and share information.
4.2 Tier One Alternatives 4.3.2 Infrastructure 4.3.3.3 Site Water Treatment	C2-7	Cyanide will only be used at the Goose Property to recover gold and the processing plant will incorporate cyanide detoxification prior to release to the Tailings Storage Facilities.
6.3 Access to Project Sites 6.3.3 Marine Access and Shipping Route	C2-8	Sabina will work with local and territorial governments to minimize interference with each other's deliveries and if possible, coordinate joint resupply efforts.
6.4 Mobilization and Construction of the Marine Laydown Area 6.4.10 Marine Laydown Area Security	C2-9	Sabina will develop a Marine Security Plan in accordance with the requirements of the *Marine Transportation Security Act*.
6.4 Mobilization and Construction 6.4.6 Fuel	C2-10	Fuel storage areas and vehicles will be equipped with spill kits for emergency response. Sabina will commit to a Spill Contingency Plan that identifies spill kit locations and appropriate response measures for spills.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 2 - Project Description and Alternatives *(cont'd)*		
6.5 Ground Transportation and Associated Water Crossings - Winter Road Corridors 6.5.3 Design and Construction of the Winter Road	C2-11	Sabina will provide emergency services and shelters along winter road networks. Goose and the George Exploration Camp will also serve as emergency shelters.
6.6.13 Construction of Tailings Storage Facility 6.6.13.2 Design Basis and Operating Criteria	C2-12	Specific design allowances will be made for and consideration will be given to permafrost, slopes, seismic activity, and site drainage requirements, particularly during peak flow conditions.
	C2-13	The operational supernatant pond volume will be managed by selective tailings deposition to limit tailings beaches that are unsaturated, thus reducing the potential for dust generation.
6.6.13 Construction of Tailings Storage Facility 6.6.13.4 General Description of TSF Layout	C2-14	Tailings from the process plant will be stored in a Tailings Storage Facility (TSF) as well as mined out open pits (Tailings Facilities).
	C2-15	The TSF containment dam will be a frozen foundation rockfill dam with a geosynthetic liner to control and reduce seepage from the facility.
7.2 Mining 7.2.7 Waste Rock Storage Areas 7.2.7.2 Waste Rock Disposal	C2-16	Acid generation from PAG waste rock will be mitigated by incorporating a NPAG waste rock cover of 5 m around the perimeter and as a cap to the PAG.
7.6 Explosives and Ammonium Nitrate Storage during Operation	C2-17	Sabina will commit to the measures defined in the Explosives Management Plan and all handling, transport, storage, manufacture, and use of explosives will be subject to federal approval under the Explosives Act and the Nunavut Mine Health and Safety Act.
7.8 Milling Process Description 7.8.7 Reagents	C2-18	Reagent storage tanks will be equipped with level indicators and instrumentation to ensure that spills do not occur during operation.
	C2-19	Cyanide monitoring/alarm systems will be installed in the process plant encompassing the entire wet process including grinding, thickening, leaching, carbon adsorption, detoxification, carbon handling, and cyanide preparation. Emergency medical stations and emergency cyanide detoxification chemicals will be provided at the areas.
	C2-20	SO_2 gas alarms/monitors will also be provided to monitor SO_2 concentration in the CN destruction area.
8.0 Reclamation and Closure 8.2 Regulatory Framework Regarding Mine Closure	C2-21	Reclamation and closure of the mine will be carried out in accordance with a Final Mine Closure and Reclamation Plan (MCRP) to be approved under Sabina's future Type A Water License to be issued by the Nunavut Water Board.
8.0 Reclamation and Closure 8.1 Overview and Schedule	C2-22	WRSAs and the TSF will be covered with NPAG to promote the aggregation of permafrost to encapsulate PAG materials.
	C2-23	Open pits will be filled with lake water to reduce the generation of acid and the leaching of metals.
8.0 Reclamation and Closure 8.3 Closure Objectives	C2-24	Mine components remaining after mine closure will be constructed or modified at closure to be physically stable so as to not erode, subside, or move from its intended location under extreme natural events or disruptive forces to which it may be subjected after closure.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 2 - Project Description and Alternatives *(cont'd)*		
9. Environmental Management	C2-25	Sabina commits to following the mitigation measures defined in the Borrow Pits and Quarry Management Plan.
	C2-26	Sabina is committed to preventing, to the greatest extent possible, both inadvertent release of hazardous substances to the environment and accidents resulting from mishandling or mishap. Sabina commits to a Hazardous Materials Management Plan.
	C2-27	Non-hazardous waste management will be governed by the procedures outlined in Sabina's Waste Management Plan.
	C2-28	Sabina commits to following the procedures and legal requirements outlined in the Fuel Management Plan.
	C2-29	The oil handing facility will be constructed and operated in accordance with the Oil Pollution Emergency Plan (OPEP) that was developed to specifically assist in implementing measures to protect the marine environment and minimize impacts from potential spill events.
Volume 3: Chapter 1 – Public Consultation and Engagement		
1.1 Regulations and Requirements Pertaining to Public Consultation and Engagement for the Project 1.2.3 Corporate Commitments	C3-1	Sabina has made corporate commitments to public consultation and engagement, as found in its Sustainable Development Policy. Amongst other commitments discussed in this policy, the Company has committed to: • Implement proven management systems and procedures to facilitate our sustainable development objectives. A priority will be placed on developing and implementing management structures related to the environment, health and safety, emergency response and stakeholder engagement. • Work closely with local communities and project stakeholders to understand their needs, address their concerns and provide project-related benefits to create win-win relationships. Our goal is to earn and maintain a social licence to operate at all our operations while building partnerships. • Utilize a precautionary principle as it applies to potential effects from our activities. Work with employees, contractors and stakeholders to promote a culture of open and meaningful dialogue to ensure that any known or suspected departures from established protocols are reported to management in a timely manner. • Implement programs at each of our operations to monitor and report compliance and proactively address potential deficiencies in our policies and procedures.
1.1 Regulations and Requirements Pertaining to Public Consultation and Engagement for the Project 1.2.3 Corporate Commitments	C3-2	Sabina is committed to following mining industry best practices in its public consultation and engagement activities, including that found in the Prospectors and Developers Association of Canada's (2013) *E3Plus Framework for Responsible Exploration*. More particularly, the Company is committed to following the Prospectors and Developers Association of Canada's (PDAC 2013) basic principles for successful community engagement: • *Respect* – Ensure respect for all parties in the process; • *Honesty* – Ensure full, true and plain disclosure of information; • *Inclusion* – Ensure the process is inclusive, so that all parties who should be present are indeed present; • *Transparency* – Establish and maintain complete transparency in all aspects of the process; and • *Communication* – Listen to the community and talk with its members.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 3: Chapter 1 – Public Consultation and Engagement *(cont'd)*		
1.3 Consultation and Engagement with Aboriginal Organizations 1.3.1 Inuit Organizations	C3-3	Sabina has and will continue to engage with the primary Inuit organization with land rights and responsibilities in the Project area, the Kitikmeot Inuit Association (KIA).
1.3 Consultation and Engagement with Aboriginal Organizations 1.3.2 Northwest Territories Aboriginal Organizations	C3-4	A number of Northwest Territories Aboriginal organizations have been (or will be) engaged for the Project, including the Akaitcho Dene First Nations, the Tlicho Government, and North Slave Métis Alliance. Sabina will continue to engage these organizations throughout the Project's development, as necessary.
1.4 Consultation and Engagement with Potentially Affected Communities 1.4.1.1 Category 1 Communities	C3-5	Residents of Cambridge Bay, Kugluktuk, Bathurst Inlet, and Bay Chimo will be given employment and contracting opportunity preference for the Project as will other residents of the Kitikmeot region.
	C3-6	Cambridge Bay and Kugluktuk will serve as points-of-hire.
1.4 Consultation and Engagement with Potentially Affected Communities 1.4.1.2 Category 2 Communities	C3-7	Gjoa Haven, Taloyoak, and Kugaaruk may become points of hire in the future if employment numbers are sufficient although all residents will be given preference for employment and contracting opportunities with the Project.
1.5 Sabina's Public Consultation and Engagement Program 1.5.3.3 Other Forms of Outreach – Bernard Harbour Restoration Project	C3-8	Sabina has committed to supporting stream restoration work in the Nulahugyuk Creek - Hingittok Lake area in order to satisfy Fisheries Act offsetting requirements for the Back River Project, while supporting the desires of the Kugluktuk HTO and the community members of Kugluktuk.
1.6 Results of the Public Consultation and Engagement Program 1.6.3 Key Issues Identified through Public Consultation and Engagement and Sabina's Commitments to Addressing these Issues Table 1.6-1 Summary of Key Issues Raised During Public Consultation and Sabina's Commitments to Addressing those Issues	C3-8	A facility for storing and preparing country food will be provided at the Project.
	C3-9	Sabina has committed to providing various opportunities to the Kitikmeot Region including preferential employment, contracting, and training for local Inuit, continued implementation of a Kitikmeot-focused donations policy, and the paying of all applicable taxes and royalties to governing bodies. An IIBA to be negotiated with the KIA will further outline Sabina's benefits-oriented commitments.
	C3-10	One annual scholarship will be established for Kitikmeot Region Inuit who are enrolled in a post-secondary educational program, with preference given to those in environmental or mining-related fields.
	C3-11	Sabina is committed to regularly communicating the results of its environmental management and monitoring programs to local communities. This will include annual visits to communities and with stakeholder groups, the preparation of annual reports, and other forms of outreach.
	C3-12	Sabina is committed to supporting apprenticeship and pre-employment training opportunities, and supporting ongoing educational and skills development training opportunities for its employees. Pre-employment orientation and financial management courses will also be offered to new employees, should they be desired.
	C3-13	An Employee Assistance and Family Program will be made available to every Sabina employee and their immediate families.
	C3-14	All employees will have access to Human Resources personnel to whom they can speak in confidence, using Inuinnaqtun and Inuktitut if they wish.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 3: Chapter 1 – Public Consultation and Engagement *(cont'd)*		
1.6 Results of the Public Consultation and Engagement Program 1.6.3 Key Issues Identified through Public Consultation and Engagement and Sabina's Commitments to Addressing these Issues Table 1.6-1 Summary of Key Issues Raised During Public Consultation and Sabina's Commitments to Addressing those Issues *(cont'd)*	C3-15	Every Sabina employee will be required to undergo intercultural awareness training.
	C3-16	Management and monitoring commitments specific to fish and water quality are found in the Aquatic Effects Monitoring and Management Plan, Site Water Monitoring and Management Plan, and Fisheries Offset Plan, but include regular monitoring and reporting of fish health and water quality, and fish habitat compensation measures.
	C3-17	Sabina will meet all legal requirements related to shipping in Canadian waters. Shipping will also only occur in the open water season and the types of ships used will be similar to those used in annual community re-supply across the north. Furthermore, the ships that Sabina utilizes will all be Canadian approved vessels and Project shipping schedules will be communicated to local communities. Sabina has reviewed shipping-related matters with local communities during its public consultation and engagement program (e.g. during public and stakeholder meetings) and will continue to do so into the future, as necessary.
	C3-18	Sabina will utilize progressive reclamation practices throughout the life of the Project to help ensure that mine closure is conducted responsibly and efficiently. Sabina has developed a Final Closure Plan that will be followed, and sufficient reclamation bonding has been set aside with both the KIA and Government of Canada.
1.7 Community Involvement Plan Overview	C3-19	Sabina is committed to working closely with Kitikmeot residents, communities and other stakeholders to help ensure the Project is built in a manner consistent with regional needs and aspirations. Communities will be consulted throughout the lifetime of the Project. Sabina will ensure the provision of timely Project updates, responses to feedback provided, and information on upcoming employment and training opportunities. Inuinnaqtun and Inuktitut interpretation / translation will be provided throughout the consultation process to enable participation of all community members.
Volume 3: Chapter 2 – Government Engagement		
2.1 Introduction 2.1.4 Alignment of Government Engagement with Corporate Commitments	C3-20	Sabina's Sustainable Development Policy supports the Company's approach to the effective engagement of government stakeholders. Among other items mentioned in this policy, Sabina has committed to: • Implement proven management systems and procedures to facilitate our sustainable development objectives. A priority will be placed on developing and implementing management structures related to the environment, health and safety, emergency response and stakeholder engagement. • Work closely with local communities and project stakeholders to understand their needs, address their concerns and provide project-related benefits to create win-win relationships. Our goal is to earn and maintain a social licence to operate at all our operations while building partnerships. • Utilize a precautionary approach as it applies to potential effects from our activities. Work with employees, contractors and stakeholders to promote a culture of open and meaningful dialogue to ensure that any known or suspected departures from established protocols are reported to management in a timely manner. • Implement programs at each of our operations to monitor and report compliance and proactively address potential deficiencies in our policies and procedures.
2.3 Federal and Territorial Agency Engagement Program 2.3.2 Government Engagement Methods	C3-21	Sabina recognizes there will be an on-going need for both formal and informal government engagement activities.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 3: Chapter 3 – Traditional Knowledge		
3.1 Introduction 3.1.1 Conformity with EIS Guidelines and Use of Traditional Knowledge in the FEIS / Table 3.1-1 Uses of Traditional Knowledge in Sabina's Final Environmental Impact Statement for the Back River Project	C3-22	Traditional Knowledge (TK) has been directly and indirectly incorporated into a number of mitigation and management commitments proposed in the FEIS for the Back River Project. Volume 10 (Management Plans) and other relevant FEIS volumes should be referred to for further information.
	C3-23	Natural variability was documented as part of the baseline studies and the NTKP (2012, 2014) report; this variability will be incorporated into future monitoring programs. If a valued potable water source is identified in the Project area, specific management measures would be undertaken to protect the water source.
	C3-24	Mitigation of archaeological sites will be determined through consultation with the Nunavut Department of Culture and Heritage and the Inuit Heritage Trust; TK may be used to help determine the mitigation requirement on a site by site basis.
	C3-25	If harvestable soapstone is identified in the PDA efforts would be made to minimize the level of disturbance.
3.2 Traditional Knowledge Sources 3.2.5 TK Study on the Bernard Harbour Arctic Char Fishery	C3-26	Sabina has committed to supporting stream restoration work in the Nulahugyuk Creek - Hingittok Lake area in order to satisfy Fisheries Act offsetting requirements for the Back River Project, while supporting the desires of the Kugluktuk HTO and the community members of Kugluktuk.
Volume 4 - Atmospheric Environment		
Specifically in Volume 10 Management Plans Chapter 17 Air Quality Monitoring and Management Plan Chapter 18 Noise Abatement Plan	C4-1	General mitigation and management measures will be followed as outlined in the Air Quality Monitoring and Management Plan and Noise Abatement Plan.
	C4-2	The operation of incinerators will comply with Nunavut standards, Canada-Wide Standards for Dioxins and Furans and Canada-Wide Standards for Mercury emissions.
1 Air Quality 1.5 Potential Project-related Effects Assessment 1.5.3 Identification of Mitigation and Management Measures 1.8 Mitigation and Adaptive Management 1.8.1.2 Best Management Practices 3 Climate and Meteorology 3.4 Supporting and Supplementary Information 3.4.3 Mitigation and Monitoring 3.4.3.2 Best Management Practices	C4-3	Proper equipment maintenance will take place.
	C4-4	Vehicle and equipment idling will be minimized when appropriate.
	C4-5	Vehicles will be driven at designated speeds on site roads.
	C4-6	Windbreaks or fences around known problem areas or stockpiles will be erected to limit the dispersion of dust emissions from equipment and stockpiles, or activities likely to generate dust.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 4 - Atmospheric Environment *(cont'd)*		
1 Air Quality 1.8 Mitigation and Adaptive Management 1.8.1.2 Best Management Practices 3 Climate and Meteorology 3.4 Supporting and Supplementary Information 3.4.3 Mitigation and Monitoring 3.4.3.2 Best Management Practices	C4-7	Equipment with low emissions that meet latest applicable Canada emissions standards and guidelines will be selected.
	C4-8	Operation of incinerators will include the implementation of a waste segregation program (i.e., materials that are unsuitable for incineration, e.g., chlorinated plastics, will be diverted to alternate waste disposal facilities)
2 Noise and Vibration 2.5 Potential Project-related Effects Assessment 2.5.3 Identification of Mitigation and Management Measures 2.8 Mitigation and Adaptive Management 2.8.2 Best Management Practices 2 Noise and Vibration 2.8 Mitigation and Adaptive Management 2.8.4 Monitoring	C4-9	Meteorological monitoring will be carried out (temperature, wind speed, wind direction, relative humidity, solar radiation and rainfall).
	C4-10	Scheduled take-off and landing of aircraft will be limited to certain times of the day.
	C4-11	The following noise monitoring will be carried out: • dBA during an eight hour period; and • dBC during impact events.
Volume 5 – Terrestrial Environment		
3 Landforms and Soils 3.4.1.3 Implications to the Project Design Related to Terrain Conditions, in Particular Permafrost, Sensitive Landforms, High Ice-content Soils, Ice Lenses, Thaw-sensitive Slopes, and Talik Zones	C5-1	Minimize the area of impact on local landforms and soils, especially in areas where local terrain conditions indicate existence of sensitive surficial deposits, permafrost, or high ice content soils.
4 Vegetation and Special Landscape Features 4.5.3.1 Mitigation for Loss of Vegetation and Special Landscape Features; and	C5-2	Clearing of vegetation and soil from unique landscape features will be minimized to the extent possible.
4 Vegetation and Special Landscape Features 4.5.3.2 Mitigation for Degradation of Vegetation	C5-3	All vehicles and machinery will restrict travel to designated road surfaces.
	C5-4	Storage areas will be kept in a condition that does not give rise to visible dust emissions.
	C5-5	Regular vehicle cleaning.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 5 – Terrestrial Environment *(cont'd)*		
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors	C5-6	General Wildlife Mitigation Measures and Best Management Practices will be followed as detailed in the Wildlife Mitigation and Monitoring Program Plan.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.8.3 Adaptive Management	C5-7	The need for corrective actions to on-site management or installation of additional control measures will be determined on a case-by-case basis. Indications of the need for corrective actions and additional control measures may include: • if results from the Site Water Monitoring and Management Plan show non-compliance related to tundra discharges; or • if results from the Wildlife Mitigation and Monitoring Program Plan, which will monitor select wildlife species and habitat around the mine infrastructure and activities, show adverse effects to wildlife or wildlife habitat.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.1 Mitigation for Habitat Loss	C5-8	Construction of Project infrastructure will avoid, where possible, wildlife sensitive areas such as critical habitat for caribou calving and high quality habitat for foraging during post-calving, important cliff habitat for raptor nesting, eskers and denning habitat, and important waterbird staging areas.
5 Caribou 5.5.3.2 Mitigation for Disturbance	C5-9	If it is not possible to avoid sensitive areas during construction, then pre-construction surveys will be conducted for the target wildlife species. For Caribou, locations and distribution relative to the Project will be monitored.
	C5-10	During Construction and Operation, works will be managed (and may be halted) during sensitive periods for caribou when groups of caribou are within a prescribed distance from the activity.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.2 Mitigation for Disturbance	C5-11	Construction and Operational activities will be scheduled, where possible, to avoid disturbance of wildlife during sensitive periods, particularly for caribou.
10 Raptors 10.5.3.2 Mitigation for Disturbance 10.9.1.1 Facility Specific-Monitoring	C5-12	During the Operational phase, if a raptor nest site is located within the Project footprint such as within an open pit or quarry site, then mitigation activities will be employed to remove or monitor the nest based on the progress of nest building and egg laying.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.6 Mitigation for Exposure to Contaminants x.9.1.1 Facilities-specific Monitoring x.8.3 Adaptive Management	C5-13	During the Operational and Closure phases, facilities monitoring will be conducted to examine if wildlife are interacting with the Project infrastructure or are present in the TSF. If wildlife is observed using the Project infrastructure, then species-appropriate actions will be taken to exclude wildlife.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 5 – Terrestrial Environment *(cont'd)*		
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors X.5.3.6 Mitigation for Exposure to Contaminants	C5-14	Employ wildlife exclusion measures if wildlife is observed to be using contaminated water or hazardous liquids.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.6 Mitigation for Attraction x.8.5 Summary Table	C5-15	Mitigation and monitoring to minimize potential wildlife attractants on site through industry-standard waste management procedures defined in the Waste Management Plan.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.1 Mitigation for Habitat Loss; and x.5.3.2 Mitigation for Disturbance	C5-16	To reduce disturbance in wildlife sensitive areas along road routes, the roads and quarries will be designed to avoid, by suitable buffers, sensitive wildlife features, and raptor nests as much as possible.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers x.5.3.4 Mitigation for Direct Mortality and Injury	C5-17	Sabina is committed to specific measures during and outside of sensitive periods and based on the size of caribou groups. All wildlife encounters, mitigation activities, and accidents with a road will be reported and follow up mitigation may be enacted if locations with higher probabilities of occurrences are located.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.2 Mitigation for Disturbance x.8.5 Summary Table for Mitigation	C5-18	To reduce disturbance to wildlife, aircraft elevation and distance from wildlife sensitive areas (e.g. nests, dens and crossings) will be managed through a pilot education and reporting system.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.6 Mitigation for Attraction X.8.5 Summary Table of Mitigation	C5-19	Management strategies to minimize human-wildlife interactions will include a policy of no feeding and no intentional attraction of wildlife.
	C5-20	A policy of no littering to commence at the start of construction and to continue throughout the life of the Project to limit littering and potential attraction of wildlife to the Project.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.5 Mitigation for Indirect Mortality x.8.5 Summary Table of Mitigation	C5-21	A policy prohibiting hunting and trapping by all Project and contractor employees throughout the life of the Project and will include reporting.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 5 – Terrestrial Environment *(cont'd)*		
6 Grizzly Bear, 8 Wolverine and Furbearers x.5.3.6 Mitigation for Attraction x.8.5 Summary Table of Mitigation	C5-22	Implement a Protocol for Human-Wildlife Interaction to outline the measures taken to address problem wildlife, particularly bears, interacting with the Project.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors	C5-23	All contractors and employees working on the Project will participate in the Employee Wildlife Education program in conjunction with Project orientation. Mandatory annual refresher courses will ensure ongoing employee awareness of wildlife concerns and mitigation procedures for the Project. This program will be supported by standard operating procedures, reporting forms, information sheets, and awareness posters and signage.
5 Caribou, 6 Grizzly Bear, 7 Muskox, 8 Wolverine and Furbearers, 9 Migratory Birds, 10 Raptors x.5.3.4 Mitigation for Direct Mortality; and/or X.8.5 Summary Table of Mitigation X.9 Proposed Monitoring Programs	C5-24	A Wildlife Effects Monitoring Program (WEMP) will be developed to evaluate 1) the regional populations of VEC species, and 2) mechanisms by which wildlife may interact with the Project (i.e., the effectiveness of mitigation and management in reducing potential effects of the Project on identified wildlife VECs). A draft WEMP (Volume 10, Chapter 20) has been developed and will be enacted following approval from regulators. The WEMP will be updated as needed following changes to current standards as defined by community, scientific, or regulatory bodies.
Volume 6 - Freshwater Environment		
4 Freshwater Water Quality 4.5 Potential Project-Related Effects 4.5.3 Identification of Mitigation and Management Measures 4.5.3.5 Water Use 4.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management	C6-1	Water withdrawal rates will be controlled to avoid adverse effects on the water source waterbody.
	C6-2	Water withdrawals for winter roads will be limited to 10% of the total under-ice volume. Winter and site road construction and maintenance will follow the DFO Nunavut Measures to Avoid Harm to Fish and Fish Habitat.
	C6-3	Quarries and borrow pits will be monitored for runoff, if noticeable flows occur it will be tested to ensure it meets discharge criteria.
	C6-4	Machinery will be routinely inspected for leaks and refuelling will occur, when feasible, at a designated refuelling point with drainage capture/collection installed. In the event that refuelling occurs elsewhere, drip trays will be used under vehicles and equipment.
	C6-5	Appropriate secondary containment systems will be used for petroleum product storage tanks to prevent spills and releases to water, including the prevention of diesel release from pickups carrying tidy-tanks.
	C6-6	Bulk fuel storage areas and hazardous materials storage areas will be bermed and lined with impermeable barriers to minimize leaks and spills.
	C6-7	Oily water treatment plants at equipment maintenance facilities will be used to minimize water and surface hydrocarbon compounds.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 6 - Freshwater Environment *(cont'd)*		
4 Freshwater Water Quality, 5 Freshwater Sediment Quality x.5 Potential Project-Related Effects Assessment x.5.3 Identification of Mitigation and Management Measures x.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management Also found in Volume 7 Marine Environment 2 Marine Water Quality, 3 Marine Sediment Quality	C6-8	Treated sewage effluent will be discharged on-land at approved sites at the Goose Property throughout Construction. Pacto systems will be used at the MLA.
4 Freshwater Water Quality, 5 Freshwater Sediment Quality x.5 Potential Project-Related Effects Assessment x.5.3 Identification of Mitigation and Management Measures; x.5.4 Characterization of Residual Effects x.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management	C6-9	Efforts to limit runoff and the transport of material into the freshwater environment. Measures may include: • infrastructure and waste rock storage areas will be confined to the local watersheds where the deposits are located to limit potential effects on water quality to local drainage areas; • infrastructure will be located, whenever feasible, on competent bedrock or appropriate base material that will limit permeability and the transport of potentially lower quality water into the active layer and ultimately to the freshwater environment; • the Project infrastructure will be designed to minimize the footprint area, such as being located near the deposits; • reclamation of the landscape will occur as soon as possible to minimize erosion potential; • slope texturing/grading to slow runoff and reduce effect slope lengths; • installation of synthetic permeable barriers and/or fibre rolls to reduce runoff velocities and retain sediments; and • check dams, gabions, and energy dissipation structures to reduce flow velocities in channels; • preservation of riparian zones to trap sediment and to reduce flow velocities; and • stockpiles will be located well away from watercourses.
	C6-10	Lake dewatering will be staged to seasonal flows and clean water transferred to the receiving environment will remain within 10% of base flow or water levels if possible.
	C6-11	Non-contact water will be diverted around infrastructure and directed to natural downstream drainage networks.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 6 - Freshwater Environment *(cont'd)*		
4 Freshwater Water Quality, 5 Freshwater Sediment Quality x.5 Potential Project-Related Effects Assessment x.5.3 Identification of Mitigation and Management Measures x.5.4 Characterization of Residual Effects x.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management x.9 Proposed Monitoring Programs x.9.1 Aquatic Effects Management Plan	C6-12	Lake water transferred during dewatering operations will be monitored for turbidity and TSS, and dewatering will cease once a threshold for TSS and turbidity is reached. The threshold will be based on the MMER limit for TSS.
	C6-13	Necessary repairs and adjustments will be conducted as necessary to ensure water quality does not surpass site specific water quality objectives in fish-bearing receiving environments.
	C6-14	In the Goose Property Area, site contact water (including runoff from WRSAs, ore stockpiles, and mine water) and treated sewage effluent will be directed to the tailings facilities and discharged to an approved site meeting applicable water licence criteria. At the MLA, greywater will be discharged on-land at an approved site and sewage will be collected by Pactos and incinerated. Water management plans were prepared for each phase of the mine life: construction, operations, closure and post-closure.
4 Freshwater Water Quality, 5 Freshwater Sediment Quality; x.5 Potential Project-Related Effects Assessment x.5.3 Identification of Mitigation and Management Measures x.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management x.9 Proposed Monitoring Programs x.9.1 Aquatic Effects Management Plan Also in Volume 7 Marine Environment 2 Marine Water Quality, 3 Marine Sediment Quality	C6-15	An Aquatic Effects Monitoring Plan/Program will be implemented during all phases of the Project.
6 Freshwater Fish/Aquatic Habitat, 7 Freshwater Fish Community x.9.2 Fish Offsetting Plan Also in Volume 7 4 Marine Fish/Aquatic Habitat, 5 Marine Fish Community	C6-16	Lost fish habitat and fish mortality will be incorporated into the Fisheries Offset Plan.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 6 - Freshwater Environment *(cont'd)*		
7 Freshwater Fish Community 7.5.3.1 Project Infrastructure Footprint	C6-17	Fish removal from waterbodies will follow DFO's General Fish-Out Protocol for Lakes and Impoundments in the Northwest Territories and Nunavut
	C6-18	Fishing by mine staff will be banned within all Project areas.
	C6-19	Water pump intakes will be screened in accordance with the DFO Freshwater Intake End of Pipe Screening Guideline (DFO 1995).
	C6-20	Where possible the Project will avoid encroaching on freshwater fish habitat by adhering to a 31 m setback of infrastructure from all water.
	C6-21	Explosive use in the vicinity of fish habitat will follow the Guidelines for the Use of Explosives In or Near Canadian Fisheries Waters.
Volume 7 – Marine Environment		
2 Marine Water Quality 2.5 Potential Project-Related Effects Assessment 2.5.3 Identification of Mitigation and Management Measures 2.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management	C7-2	Discharge of brine water to surface water in Bathurst Inlet will meet CCME salinity guideline for the protection of marine life and will not cause the salinity of the receiving environment to fluctuate by more than 10% of the natural expected salinity.
2 Marine Water Quality, 3 Marine Sediment Quality x.5 Potential Project-Related Effects Assessment x.5.3 Identification of Mitigation and Management Measures x.5.4 Characterization of Residual Effects x.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management	C7-3	Adherence to guidelines for vessel discharges and anti-fouling surface treatments, which include: • Organotin compounds are prohibited for vessels in Canadian waters; • Vessels must treat sewage prior to discharge, or discharge offshore; and • Vessels travelling in international water must exchange ballast water offshore.
	C7-4	Speed limits will be followed for vessel operations to minimize propeller wash and wake effects.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 7 – Marine Environment *(cont'd)*		
4 Marine Fish/Aquatic Habitat, 5 Marine Fish Community x.5 Potential Project-Related Effects Assessment x.5.3 Identification of Mitigation and Management Measures x.5.4 Characterization of Residual Effects x.8 Mitigation and Adaptive Management Table x.8-1 Mitigation and Adaptive Management	C7-5	Where possible the Project will avoid encroaching on marine fish habitat by adhering to a 31 m setback.
	C7-6	Working in water: • disposal of excavated material will be in a location above the high water mark; • minimize the duration of any in-water works; and • minimize the disturbance of riparian vegetation.
6 Marine Birds, 7 Ringed Seals x.5.3.1 Mitigation for Habitat Alteration x.8.5 Summary Table of Mitigation	C7-7	Project infrastructure designed to avoid, where possible, identified wildlife sensitive areas for marine wildlife, such as seabird and seaduck molting and staging areas and areas where ringed seal birth lairs are found.
6 Marine Birds 6.5.3.3 Mitigation for Direct Mortality and Injury 6.8.5 Summary Table of Mitigation	C7-8	The Marine Laydown Area will be monitored to ensure concentrations of seabirds and seaducks are not present in the area, and to ensure safety to aircraft.
6 Marine Birds 6.5.3.2 Mitigation for Disturbance 6.5.3.3 Mitigation for Direct Mortality and Injury 6.8.5 Summary Table of Mitigation	C7-9	Aircraft operation will avoid disturbing waterbird staging areas (e.g., the staging area located south of the MLA) as much as possible, via timing windows and buffers.
7 Ringed Seals 7.5.3.1 Mitigation for Habitat Alteration 7.8.5 Summary Table of Mitigation	C7-10	Construction and operation of the winter ice road over marine habitat outside of ringed seal pupping (mid-March through late April), nursing (mid-March through mid-June) and molting periods (mid-May through mid-July), where possible.
7 Ringed Seals 7.5.3.2 Mitigation for Disturbance 7.8.5 Summary Table for Mitigation (Vol 5. Ch.5. Caribou; 5.3.2 Valued Components)	C7-11	Open-water season shipping only (except in emergency or unforeseen circumstances) to avoid disturbance to Dolphin and Union Caribou and ringed and bearded seals during periods when caribou and seals are dependent on ice.
7 Ringed Seals 7.5.3.3 Mitigation for Mortality 7.8.5 Summary Table of Mitigation	C7-12	Pre-construction surveys conducted for ringed seals and pupping lairs prior to on-ice operations in Bathurst Inlet if construction is scheduled during the seal pupping season.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 8 – Human Environment		
1 Archaeology 1.8 Mitigation and Adaptive Management 1.8.1 Archaeological Sites	C8-1	Mitigation for archaeological sites within 50 m of Project developments will be developed for each site in consultation with Government of Nunavut, Department of Culture and Heritage. Mitigation will include monitoring, capping, and/or systematic data recovery prior to construction.
1 Archaeology 1.8 Mitigation and Adaptive Management 1.8.2 Summary Table of Mitigation and Adaptive Management Measures	C8-2	Archaeological sites 50 m to 150 m of Project developments may be fenced, and will be inspected periodically to ensure that they are not affected by the Project. They will be marked as no work zones on Project maps.
	C8-3	Archaeological sites 150 m to 1,000 m from Project developments will be marked as no work zones on Project maps and will be periodically inspected to ensure that they are not affected by the Project.
	C8-4	A Chance Find Procedure will be in place to identify and protect unknown archaeological sites.
3 Socio-economics 3.8 Mitigation and Adaptive Management 3.8.2 Community Involvement Plan	C8-5	Community engagement, using a variety of methods (e.g., public and stakeholder meetings, community Advisory groups, social media, newsletters), will be implemented throughout the life of the Project.
	C8-6	Project updates will be provided to communities based on timely and transparent communication regarding the status of the Project and related topics.
	C8-7	Results of community research conducted for the Project on social, cultural and ecological conditions will be made publically available.
3. Socio-economics 3.5 Potential Project-related Effects Assessment 3.5.4 Identification of Mitigation and Adaptive Management 3.8 Mitigation and Adaptive Management 3.8.3 Human Resources Plan	C8-8	Information related to employment and contracting opportunities will be made accessible to local Inuit as described in the Community Involvement Plan and supported by a Human Resources Plan and Business Development Plan.
	C8-9	A Procurement Strategy will be implemented to facilitate regional business involvement, including providing first opportunity to regional businesses, where competitive.
	C8-10	A Labour Relations Strategy will be implemented to maximize and retain local Inuit employment. The Labour Relations Strategy details skills and entrance requirements, employee benefits, employee communication, work rotation schedules, and employee orientation programs.
	C8-11	An Employee and Family Assistance Program will be developed and implemented based on needs identified during community research.
	C8-12	An Inuit Employment and Training Coordinator will be hired to act as liaison for Inuit employees.
	C8-13	A Preferential Recruitment Strategy will be implemented to maximize the engagement of Kitikmeot Inuit in the Project workforce.
	C8-14	A Workforce Training Strategy will be implemented to enhance education and skill levels of the regional workforce.
	C8-15	A Workforce Transition Strategy will be implemented to enhance the ability of Project employees to transition to other employment following completion of Project activities.

Appendix V1-6. Commitments Table

Section	ID#	Commitment Description
Volume 8 – Human Environment *(cont'd)*		
3 Socio-economics 3.5 Potential Project-related Effects Assessment 3.5.4 Identification of Mitigation and Adaptive Management 3.8 Mitigation and Adaptive Management 3.8.1 Business Development Plan	C8-16	A Local Business and Entrepreneur Capacity Building Strategy will be implemented to maximize the number of Inuit firms engaged with the Project and enhance the capacity of those firms.
	C8-17	Funding for community initiatives will be made available and community-based contributions provided based on demand and where appropriate and feasible. Community-based Investments for Business Development will be focused to increase the capacity of local businesses to broadly meet the demands associated with an increase in economic activity.
3 Socio-economics 3.9 Socio-economic Monitoring Program	C8-18	A Socio-economic Monitoring Program will be implemented and annual monitoring reports prepared to gauge any changes to valued components linked to the Project in the FEIS.
	C8-19	Socio-economic monitoring results may be reported to NIRB and a Back River Project Socio-economic Monitoring Committee (SEMC), as well as to the Kitikmeot Region SEMC, to inform the identification, evaluation and, ultimately, a management response to social and economic changes in communities, as and where appropriate.
3 Socio-economics 3.9 Socio-economic Monitoring Program 3.8 Mitigation and Adaptive Management Table 3.8-1 Summary Table of Mitigation and Adaptive Management	C8-20	Implement an adaptive management approach by developing sound management plans with the best information available prior to project mobilization and construction, monitor their implementation and adapt the plans as required.
Volume 9 – Methodology, Effects of Environment on Project, Accidents and Malfunctions		
Mitigating potential effects of the Environment on the Project	C9-1	Sabina will commit to the following measures to ensure the viability and integrity of permafrost include: • Embankment construction will be employed (i.e. no cuts into permafrost) where road alignment crosses overburden soils to avoid disturbing sensitive soils and surface vegetation; • If excavation is required, natural materials will be over excavated and backfilled with an insulating cover of thaw stable granular fill materials of a minimum thickness to protect against thaw and instability in the underlying permafrost; • Design embankments with minimum fill thickness for thermal protection and implement flatter slopes in problem areas; • On-going inspections and maintenance; • If necessary for stability, ice-rich slopes will be protected with thermal and erosion barrier (e.g. rock cover). • Excavations in overburden materials and disturbance of natural ground will be avoided where feasible; • Runoff and sediment control measures; and • Maintain grading and drainage from borrow areas and roads.

Note: References are available in the main list of references for Volume 1 of the FEIS.

Appendix V1-7
FEIS Document Index

Sabina
GOLD & SILVER CORP.

Appendix V1-7. FEIS Document Index

Chapter	Title	Contents
Volume 1 – Main Volume		
	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 1 from the DEIS to the FEIS
	Plain Language Summary	Non-technical summary of the EIS in English, Inuktitut, and Inuinnaqtun
	Executive Summary	Technical summary of the EIS in English, Inuktitut, and Inuinnaqtun
	Glossary	Definition of terms used in the EIS in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in the EIS
1	Introduction	Introduction to the Back River Project
2	Public Consultation and Engagement and Government Engagement	Overview of outreach and engagement with communities and organizations
3	Project Description	Summary description of the Project components
4	Traditional Knowledge	Overview of the approach to traditional knowledge, and methods used to collect and interpret it
5	Existing Environment and Baseline Information	Description of the existing biophysical and socio-economic environment
6	Potential Effects Assessment	Summary of the Project-related effects assessment
7	Mitigation and Adaptive Management	Overview of mitigation and adaptive management measures
8	Potential Cumulative Effects Assessment	Summary of the cumulative effects assessment
9	Reclamation and Closure	Summary of reclamation and closure timelines, goals, and activities
10	Monitoring and Management Plans	Summary of monitoring and management plans
11	Summary of Commitments	Summary of Project commitments
12	Conclusions	Project conclusions
Appendices	V1-1	Table of Concordance
	V1-2	List of Permits, Licences, and Authorizations Required for the Project
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	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 2 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 2 in English, Inuktitut, and Inuinnaqtun
	Preamble – Structure of Volume 2	Provides Project background and description of volume structure
	Acronyms and Abbreviations	List of terminology used in Volume 2
1	Introduction	Information on the Proponent, Project location, land tenure, and current exploration activities at the Goose Property
2	Project Components and Activities	Overview of the Project design considerations, development phases, duration, and permitting requirements
3	Future Development	Discussion of the potential for ongoing and future development at the Goose Property
4	Alternatives	Presentation of alternatives considered for the development of the Back River Project
5	Economic and Operating Environment	Discussion of the economic operating environment as per the requirements of section 6.5 of the NIRB guidelines for the development of the EIS
6	Detailed Project Description - Construction	Description of all project components and infrastructure that will be constructed at the onset of the project development and remain operational for the life of the Project
7	Detailed Project Description - Operations	Description of the operation phase of the mine sites
8	Detailed Project Description - Reclamation and Closure	Presentation of the preliminary closure plan for all Project components and sites
9	Detailed Project Description - Environmental Management	Overview of monitoring and/or mitigation plans associated with each development phase
Appendices	V2-4A	Waste Management Multiple Accounts Analysis
	V2-4B	Marine Laydown Area Location
	V2-4C	Summary Results from Select Alternative Assessments
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Volume 3 – Public Consultation, Government Engagement, and Traditional Knowledge		
	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 3 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 3 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 3
1	Public Consultation and Engagement	Methods and results of Sabina's public consultation and engagement program
2	Government Engagement	Methods and results of Sabina's Federal and Territorial government engagement
3	Traditional Knowledge	Presentation of existing Traditional Knowledge collection and use
Appendices	V3-1A	Record of Meetings with Community and Stakeholder Groups
	V3-1B	Record of Attempted Meetings with Community and Stakeholder Groups
	V3-1C	Community and Stakeholder Group Meeting Minutes and Public Comment Forms
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	V3-1G	Summary of Topics Raised during Public Consultation and Engagement
	V3-2A	Record of Meetings with Government Officials
	V3-3A	Inuit Traditional Knowledge of Sabina Gold & Silver Corp.'s Back River (Hannigayok) Project
	V3-3B	Naonaiyaotit Traditional Knowledge Project, Hannigayok (Sabina Gold & Silver Corp. Proposed Back River Project), Results from Data Gaps Workshops, Final Report (June 2014)
	V3-3C	Existing and Publically Available Traditional Knowledge from Aboriginal Groups in the Northwest Territories
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	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 4 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 4 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 4
1	Air Quality	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
2	Noise and Vibration	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
3	Climate and Meteorology	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
Appendices	V4-1A	Back River Project: 2011 to 2013 Air Quality Baseline Report
	V4-1B	Back River Project: Air Quality Modelling Report: Goose Property
	V4-1C	Air Quality Modelling Report: MLA
	V4-2A	Back River Project: 2012 Noise Baseline Report
	V4-2B	Back River Project: Noise and Vibration Modelling Report
	V4-2C	Marine Laydown Area Qualitative Noise Assessment
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	V4-3B	Climate Change Predictions - Model Variation
	V4-3C	Climate Change Approach Report
Volume 5 – Terrestrial Environment		
	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 5 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 5 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 5

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Chapter	Title	Contents
Volume 5 – Terrestrial Environment *(cont'd)*		
1	Geology	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
2	Permafrost	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
3	Landforms and Soils	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
4	Vegetation and Special Landscape Features	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
5	Caribou	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
6	Grizzly Bear	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
7	Muskox	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
8	Wolverine and Furbearers	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
9	Migratory Birds	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
10	Raptors	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
Appendices	V5-2A	Cumulative Permafrost Baseline Data Report (2007 to May 2014)
	V5-2B	2015 Sub-permafrost Groundwater Quality Baseline Report
	V5-2C	2012 to 2013 Thermistor String Records Obtained at the Hackett River Project
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	V5-5G	Back River Project: 2014 Wildlife Camera Baseline Report
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	V5-6B	Back River Project: Grizzly Bear and Wolverine DNA Report, 2013
Volume 6 – Freshwater Environment		
	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 6 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 6 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 6
1	Surface Hydrology	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
2	Groundwater	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
3	Limnology and Bathymetry	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
4	Freshwater Water Quality	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
5	Freshwater Sediment Quality	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)

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Volume 6 – Freshwater Environment *(cont'd)*		
6	Freshwater Fish/Aquatic Habitat	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
7	Freshwater Fish Community	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
Appendices	V6-1A	Back River Project: 2011 Hydrology Baseline Report
	V6-1B	Back River Project: 2012 Hydrology Baseline Report
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	V6-1F	Effects of Proposed Water Withdrawal on Hydrologic Indices of Big Lake
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	V6-2C	2012 Geotechnical and Hydrogeological Drilling Program Factual Data Report
	V6-2D	Geomechanical and Hydrogeological Site Investigation
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	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 7 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 7 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 7
1	Physical Processes	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
2	Marine Water Quality	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
3	Marine Sediment Quality	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
4	Marine Fish/Aquatic Habitat	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
5	Marine Fish Community	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
6	Seabirds and Seaducks	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
7	Ringed Seals	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
Appendices	V7-1A	Back River Project: 2012 Marine Baseline Report
	V7-2A	Back River Project: 2013 Marine Baseline Report
	V7-4A	Back River Project: 2012 Marine Fish and Fish Habitat Baseline Report
	V7-4B	Back River Project: 2013 Marine Fish and Fish Habitat Baseline Report
	V7-6A	Shipping Sensitivity Report

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	Revision Log	Description of Major Revisions made to Volume 8 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 8 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 8
1	Archaeology	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
2	Paleontology	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
3	Socio-economics	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
4	Land Use	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
5	Country Foods	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and residual and cumulative impact assessments (including transboundary effects)
6	Human Health and Environmental Risk Assessment	Presentation of existing environment and baseline information, incorporation of traditional knowledge, and additional required information for the EIS guidelines
Appendices	V8-1A	Archaeological Sites within the LSA and TCWR Winter Road Connector Assessment Area
	V8-1B	Back River Project: Cumulative Heritage Baseline Report 2013
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	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 9 from the DEIS to the FEIS
	Executive Summary	Technical summary of Volume 9 in English, Inuktitut, and Inuinnaqtun
	Acronyms and Abbreviations	List of terminology used in Volume 9
1	Methodology for Effects Assessment	Description of the methodology for the project effects assessment
2	Effects of the Environment on Project Design	Summary of the Project's effects on the environment.
3	Accidents and Malfunctions	Mitigation measures and risk assessment for potential accidents and malfunctions
Appendices	V9-3A	2013 Bathurst Inlet Marine Diesel Fuel Spill Modelling Report
Volume 10 – Management Plans		
	Document Structure Figure	Overview of the EIS document structure
	Project Fact Sheet	Overview of the Project components
	Revision Log	Description of Major Revisions made to Volume 10 from the DEIS to the FEIS
1	Environmental Management Plan	Details on the Environmental Management Plan
2	Environmental Protection Plan	Details on the Environmental Protection Plan
3	Risk Management and Emergency Response Plan	Details on the Risk Management and Emergency Response Plan
4	Fuel Management Plan	Details on the Fuel Management Plan
5	Spill Contingency Plan	Details on the Spill Contingency Plan
6	Oil Pollution Emergency Plan	Details on the Oil Pollution Emergency Plan
7	Site Water Monitoring and Management Plan	Details Site Water Monitoring and Management Plan
8	Ore Storage Management Plan	Details on the Ore Storage Management Plan
9	Mine Waste Rock Management Plan	Details on the Mine Waste Rock and Tailings Management Plan
10	Waste Management Plan	Details on the Landfill and Waste Management Plan
11	Incineration Management Plan	Details on the Incineration Management Plan

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13	Explosives Management Plan	Details on the Explosives Management Plan
14	Road Management Plan	Details on the Road Management Plan
15	Shipping Management Plan	Details on the Shipping Management Plan
16	Borrow Pits and Quarry Management Plan	Details on the Borrow Pits and Quarry Management Plan
17	Air Quality Monitoring and Management Plan	Details on the Air Quality Monitoring and Management Plan
18	Noise Abatement Plan	Details on the Noise Abatement Plan
19	Aquatic Effects Management Plan	Details on the Aquatic Effects Management Plan
20	Wildlife Mitigation and Monitoring Plan	Details on the Wildlife Mitigation and Monitoring Plan
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27	Cultural and Heritage Resources Protection Plan	Details on the Cultural and Heritage Resources Protection Plan
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Sabina
GOLD & SILVER CORP.

BACK RIVER PROJECT
FINAL ENVIRONMENTAL IMPACT STATEMENT
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