

Table of Concordance between the EIS Guidelines and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>3 PREPARATION AND PRESENTATION OF THE EIS</b>		
3.5 Presentation and Organization of the EIS	<p>...the title page of the EIS and its related documents will contain the following information:</p> <ul style="list-style-type: none"> <li>▪ Project name and location</li> <li>▪ Title of the document, including the term “environmental impact statement”</li> <li>▪ Subtitle of the document</li> <li>▪ Name of the proponent</li> <li>▪ The date</li> </ul>	Title Page (note – there is no subtitle for this document)
	A glossary defining technical words...	Glossary
	...acronyms and abbreviations will be included.	Acronyms and Abbreviations
	The EIS will explain how information is organized in the document. This will include a list of all tables, figures, and photographs referenced in the text of the EIS.	Table of Contents List of Tables List of Figures
	A complete list of supporting literature and references will also be provided.	1.7 Introduction and Project Overview References 2.9 Project Description References 4.9 Scope of the Assessment and Methods References 5.9 Existing Environment References 7.10 Greenhouse Gas References 8.9 Acoustic Environment References 9.9 Ambient Light References 10.9 Vegetation and Wetland Resources References 11.9 Terrestrial Wildlife and Marine Birds References 12.9 Freshwater Aquatic Resources References 13.9 Marine References 14.10 Economic Environment References 15.9 Navigation and Marine Resource Use References 16.9 Infrastructure and Services References 17.9 Visual Quality References 18.9 Community Health and Well-Being References

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	<p>A Table of Concordance which cross references all respective sections containing the information presented in the EIS with the information requirements identified in the EIS Guidelines will be provided.</p>	<p>19.9 Human and Ecological Health References                      20.9 Archaeological and Heritage Resources References                      21.10 Current Use of Lands and Resources for Traditional Purposes References                      22.11 Accidents and Malfunctions References                      23.7 Effects of the Environment on the Project References                      24.5 Environmental Management Plan References                      27.3 Aboriginal Rights and Related Interests References                      29.3 Benefits to Canadians References</p> <p>Table of Concordance between the EIS Guidelines and the EIS/Application.</p>
<b>4 SUMMARY OF ENVIRONMENTAL IMPACT STATEMENT</b>		
<p>4 Summary of Environmental Impact Statement</p>	<p>The Proponent will prepare a summary of the EIS in both of Canada’s official languages (French and English) to be provided to the Agency at the same time as the EIS and which will include the following:</p> <ul style="list-style-type: none"> <li>▪ A concise description of all key components of the Project and related activities</li> <li>▪ A summary of the consultation conducted with Aboriginal groups, the public, and government agencies, including a summary of the issues raised and the Proponent’s responses</li> <li>▪ An overview of the key environmental effects of the project and proposed technically and economically feasible mitigation measures and any unresolved issues</li> <li>▪ The Proponent’s conclusions on the residual environmental effects of the Project and the significance of adverse environmental effects after taking mitigation measures into account</li> </ul> <p>The summary is to be provided as a separate document and should follow the outline provided below:</p> <ol style="list-style-type: none"> <li>1. Introduction and environmental assessment context</li> <li>2. Project overview</li> </ol>	<p>Summary of the Environmental Impact Statement and Environmental Assessment Certificate Application</p> <p>2.3 Project Components Table 1</p> <p>5 Public and Aboriginal Consultation</p> <p>3.2 Factors to be Considered                      3.2.1 Valued Components                      10 Mitigation Measures                      Table 3                      Table 1-1 in Appendix 1 (of the Summary)</p> <p>15 Proposed Significance Conclusions</p> <p>1 Introduction and Environmental Assessment Context</p> <p>1.1 Overview</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	3. Scope of project and assessment	3 Scope of the Project and Assessment
	4. Alternative means of carrying out the Project	4 Alternative Means of Carrying out the Project Table 4
	5. Public and Aboriginal engagement	5 Public and Aboriginal Consultation
	6. Summary of environmental effects assessment	7 Summary of Valued Components
	7. Mitigation measures	10 Mitigation Measures
	8. Proposed significance conclusion	15 Proposed Significance Conclusions
	It is strongly recommended that the Proponent translates the summary into the appropriate Aboriginal language(s) in order to facilitate consultation activities during the environmental assessment.	The summary was not translated into any Aboriginal languages
<b>5 INTRODUCTION AND PROJECT OVERVIEW</b>		
5.1 Geographical Setting	<p>The EIS will contain a description of the geographical setting in which the Project will take place.</p> <p>This description will focus on those aspects of the Project and its setting that are important in order to understand the potential environmental effects of the Project. The description will address the natural and human elements of the environment as well as explain the interrelationships between the biophysical environment and people and communities.</p> <ul style="list-style-type: none"> <li>▪ The UTM coordinates of the main project site</li> <li>▪ Current land use in the area</li> </ul>	<p>1 Introduction and Project Overview</p> <p>1.4 Project Location</p> <p>5 Environmental Setting</p> <hr/> <p>1.4 Project Location</p> <hr/> <p>1.4 Project Location</p> <p>1.6.3 Local and Regional Framework</p> <p>2.5 Project Land Use</p> <p>5 Environmental Setting</p> <p>5.8.4.10 Port of Prince Rupert</p>

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	<ul style="list-style-type: none"> <li>▪ Relationship of the project facilities and components with any federal lands</li> </ul>	1.4 Project Location Figure 1-2 Figure 1-3 Figure 1-4 Figure 1-5 2.2 Project Components Figure 2-8
	<ul style="list-style-type: none"> <li>▪ The environmental significance and value of the geographical setting in which the Project will take place and the surrounding area</li> </ul>	1.4 Project Location Figure 1-1 Figure 1-2 Figure 1-3 Figure 1-4 Figure 1-5 5 Environmental Setting
	<ul style="list-style-type: none"> <li>▪ Environmentally sensitive areas, such as national, provincial and regional parks, ecological reserves, wetlands, estuaries, and habitats of federally or provincially listed species at risk and other sensitive areas</li> </ul>	1.4 Project Location Figure 1-2 Figure 1-3 Figure 1-4 Figure 1-5 5 Environmental Setting 5.4 Vegetation and Wetlands 5.5 Terrestrial Wildlife and Marine Birds 5.6 Freshwater Aquatic Resources 5.7 Marine Resources
	<ul style="list-style-type: none"> <li>▪ Local and Aboriginal communities</li> </ul>	Figure 1-5
	<ul style="list-style-type: none"> <li>▪ Traditional Aboriginal territories, treaty lands, Indian reserve lands</li> </ul>	5 Environmental Setting Figure 1-2 Figure 1-5 5.8 Human Environment 5.8.1 First Nations

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	The EIS will provide expanded description and mapping of the project location, including each of the project components as outlined in section 5.6 of the EISG.	1.4 Project Location Figure 1-1 Figure 1-2 Figure 1-3 Figure 1-4 Figure 1-5 2.2 Project Components 2.3 Project Activities Figure 2-7 Figure 2-8
	Maps of the Project's location at an appropriate scale will accompany the text. The location map should include the boundaries of the proposed site including UTM coordinates, the major existing infrastructure, adjacent land use, and any important environmental features.	Figure 1-1 Figure 1-2 Figure 1-3 Figure 1-4 Figure 1-5 Figure 4-1
	In addition, site plans/sketches and photographs showing project location, site features and the intended location of project components will be included.	Figure 1-4 Figure 2-1 Figure 2-2 Figure 2-3 Figure 2-7 Figure 2-8

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<p>5.2 Regulatory Framework and Role of Government</p>	<p>To understand the context of the EA, this section will identify, for each jurisdiction, the government bodies involved in the EA as well as the EA processes. More specifically identify:</p>	<p>1 Introduction and Project Overview                      1.5 Participants in the Environmental Assessment                      1.6 Regulatory Framework and the Role of Government</p>
	<ul style="list-style-type: none"> <li>▪ Any federal power duty or function to be exercised that may permit the carrying out (in whole or in part) of the Project or associated activities</li> </ul>	<p>1.6 Regulatory Framework and the Role of Government                      2.8 Applicable Permits and Regulatory Approvals</p>
	<ul style="list-style-type: none"> <li>▪ The environmental and other specific regulatory approvals and legislation that are applicable to the Project at the federal, provincial, regional and municipal levels</li> </ul>	<p>2.8 Applicable Permits and Regulatory Approvals                      Regulatory and Policy Setting for each VC                      6.2.1 Air Quality                      7.2.1 Greenhouse Gas Management                      8.2.1 Acoustic Environment                      9.2.1 Ambient Light                      10.2.1 Vegetation and Wetland Resources                      11.2.1 Terrestrial Wildlife and Marine Birds                      12.2.1 Freshwater Aquatic Resources                      13.2.1 Marine Resources                      14.2.1 Economic Environment                      15.2.1 Navigation and Marine Resource Use                      16.2.1 Infrastructure and Services                      17.2.1 Visual Quality                      18.2.1 Community Health and Well-Being                      19.2.1 Human and Ecological Health                      20.2.1 Archaeological and Heritage Resources                      21.2.1 Current Use of Lands and Resources for Traditional Purposes                      27.1.7.1 Aboriginal Rights and Related Interests</p>
	<ul style="list-style-type: none"> <li>▪ Any differences in the scope of assessment between the federal and provincial environmental assessments for this proposed Project and include a concordance table which lists the locations within the EIS where specific provincial requirements are addressed</li> </ul>	<p>1.6.1 Federal Framework                      1.6.1.1 Federal Environmental Assessment                      1.6.2 Provincial Framework                      Table of Concordance between the EIS Guidelines and the EIS/Application                      Table of Concordance between the Application Information Requirements and the EIS/Application</p>

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ Government policies, resource management, planning or study initiatives pertinent to the Project and/or EA and discuss their implications</li> </ul>	1.4 Project Location 1.6 Regulatory Framework and the Role of Government 1.6.1 Federal Framework 1.6.2 Provincial Framework 1.6.3 Local and Regional Framework 1.6.3.1 Local Management and Community Plans 1.6.3.2 First Nations' Land Use Plan 1.6.3.3 Regional Management Plans
	<ul style="list-style-type: none"> <li>▪ Whether a request will be made to Transport Canada's Marine Safety Directorate to undertake the TERMPOL review process</li> </ul>	1.6.1 Federal Framework
	<ul style="list-style-type: none"> <li>▪ Any treaty or self-government agreements with Aboriginal groups that are pertinent to the Project and/or EA</li> </ul>	1.6.4 Treaties and Self-Government
	<ul style="list-style-type: none"> <li>▪ Any relevant Land Use Plans, Land Zoning, Community Plans, or Aboriginal communities' plans or initiatives</li> </ul>	1.6.3 Local and Regional Framework 1.6.3.1 Local Management and Community Plans 1.6.3.2 First Nations' Land Use Plans 1.6.3.3 Regional Management Plans 2.5 Project Land Use
	<ul style="list-style-type: none"> <li>▪ A summary of the regional, provincial and/or national objectives, standards or guidelines that have been used by the proponent to assist in the evaluation of any predicted environmental effects.</li> </ul>	1.6.5 Key Objectives, Standards and Guidelines Used for the Assessment
5.3 Participants in the Environmental Assessment	Clearly identify the main participants in the EA including jurisdictions other than the federal government, Aboriginal groups, community groups, and environmental organizations.	1.1 Purpose of the EIS/Application 1.5 Participants in the Environmental Assessment
5.4 The Proponent	<ul style="list-style-type: none"> <li>▪ Provide contact information (e.g. name, address, phone, fax, email)</li> <li>▪ Identify itself and the name of the legal entity that would develop, manage and operate the project</li> <li>▪ Explain corporate and management structures, as well as insurance and liability management related to the project</li> <li>▪ Specify the mechanism used to ensure that corporate policies will be implemented and respected for the Project</li> </ul>	1.2. Proponent Information 1.2. Proponent Information 1.2 Proponent Information 1.5 Participants in the Environmental Assessment 1.2. Proponent Information 1.2.1 Pacific NorthWest LNG Limited Partnership

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	<ul style="list-style-type: none"> <li>▪ Summarize key elements of its environment, health and safety management system and discuss how the system will be integrated into the Project</li> </ul>	1.2. Proponent Information 1.2.1 Pacific NorthWest LNG Limited Partnership
	<ul style="list-style-type: none"> <li>▪ Identify key personnel, contractors, and/or sub-contractors responsible for preparing the EIS.</li> </ul>	1.2. Proponent Information 1.2.2 Environmental Assessment Consultant
5.5 Purpose of the Project	<p>The Proponent will describe the purpose of the Project by providing the rationale for the Project, explaining the background, the problems or opportunities that Project is intended to satisfy and the stated objectives from the perspective of the Proponent.</p> <p>If the objectives of the Project are related to or contribute to broader private or public sector policies, plans or programs, this information will also be included.</p> <p>The Proponent should also include reference to any current opportunities or current limitations that are guiding project development such as limited windows of opportunity for development due to economic or environmental concerns.</p>	1 Introduction and Project Overview 1.3 Purpose of the Project
5.6 Project Components	<p>The Proponent will describe the Project, by presenting the project components, associated and ancillary works, activities, scheduling details, the timing of each phase of the Project and other characteristics that will assist in understanding the environmental effects.</p> <p>If the Project is part of a larger sequence of projects, the Proponent will outline the larger context and present the relevant references, if available.</p> <p>For project components in the terrestrial environment, the Proponent will provide:</p> <ul style="list-style-type: none"> <li>▪ A description of the facility and all related and supporting infrastructure</li> <li>▪ A description of construction components required for the Project</li> <li>▪ A description of permanent and temporary access infrastructure, identification of any modifications of current roads or construction of new access roads...</li> <li>▪ ...water crossings and bridges.</li> </ul> <p>For project components in the marine environment, the Proponent will provide:</p>	2.2 Project Components Table 2-2 2.3 Project Activities Table 2-3  2.2 Project Components Table 2-2  2.2 Project Components  2.2.5 Temporary Construction Facilities 2.2.4.1 Materials Offloading Facility 2.2.4.2 Bridge and Roads 2.2.5.1 Pioneer Dock 2.2.4.2 Bridge and Roads



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	<ul style="list-style-type: none"> <li>▪ A bathymetric survey of the marine terminal area and materials offloading facility (MOF), navigational channel...</li> </ul>	Figure 2-7
	<ul style="list-style-type: none"> <li>▪ ...and the sediment disposal site.</li> </ul>	2.3.1.7 Disposal at Sea
	<ul style="list-style-type: none"> <li>▪ Marine terminal infrastructure and facilities, specifying the type of vessels that will be used...</li> </ul>	2.2.2.1 Marine Infrastructure 2.3.1.5 Marine Construction
	<ul style="list-style-type: none"> <li>▪ ...the construction methods for the wharfs (backfilling, sheet piling, pile dredging)...</li> </ul>	2.3.1.5 Marine Construction
	<ul style="list-style-type: none"> <li>▪ ... as well as the dimensions of the wharfs...</li> </ul>	Figure 1-4
	<ul style="list-style-type: none"> <li>▪ ... bridges...</li> </ul>	2.2.4.2 Bridge and Roads
	<ul style="list-style-type: none"> <li>▪ ... jetties, berthing areas...</li> </ul>	2.2.2.1 Marine Infrastructure Figure 2-2
	<ul style="list-style-type: none"> <li>▪ ... anchorage areas at the main terminal and in the navigation channel...</li> </ul>	Figure 1-4 15.3.2.2 Navigational Aids Figure 15-4
	<ul style="list-style-type: none"> <li>▪ ... and the features and locations of the navigational aids.</li> </ul>	15.3.2.2 Navigational Aids
	<ul style="list-style-type: none"> <li>▪ Construction and maintenance dredging, specifying the nature and volume of sediment...</li> </ul>	2.3.1.4 Dredging
	<ul style="list-style-type: none"> <li>▪ ... profile drawings of dredge area...</li> </ul>	Figure 2-7
	<ul style="list-style-type: none"> <li>▪ ... substrate information for the dredge footprint...</li> </ul>	2.3.1.7 Disposal at Sea 13 Marine Resources Appendix L Appendix O
	<ul style="list-style-type: none"> <li>▪ ... dredging methods (type of dredge, dredging depth, duration, frequency, etc.)...</li> </ul>	2.3.1.4 Dredging 13 Marine Resources
	<ul style="list-style-type: none"> <li>▪ ... surface area of the areas to be dredged...</li> </ul>	2.3.1.4 Dredging 13 Marine Resources
	<ul style="list-style-type: none"> <li>▪ ... sediment management (land) provisions...</li> </ul>	2.3.1.1 Site Preparation (Land Based)
	<ul style="list-style-type: none"> <li>▪ ... sediment management (aquatic) provisions...</li> </ul>	2.3.1.7 Disposal at Sea 13 Marine Resources

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	<ul style="list-style-type: none"> <li>... and sediment disposal area.</li> </ul>	2.3.1.7 Disposal at Sea 13 Marine Resources Appendix O
	<ul style="list-style-type: none"> <li>Navigation activities including number and frequency of trips...</li> </ul>	2.3.2.2 Marine Terminal Use
	<ul style="list-style-type: none"> <li>... mooring...</li> </ul>	2.3.2.2 Marine Terminal Use
	<ul style="list-style-type: none"> <li>... ballast water management...</li> </ul>	2.3.2.4 Waste Management and Disposal
	<ul style="list-style-type: none"> <li>... and support vessel (tug) activities.</li> </ul>	2.3.2.3 Shipping
5.7 Project Activities	The EIS will include expanded descriptions of the construction... ..of sites and facilities associated with the proposed Project. (including figures)	2.3.1 Construction Figure 2-1 Figure 2-2
	The EIS will include expanded descriptions of the... operation, maintenance, foreseeable modifications... ..of sites and facilities associated with the proposed Project. (including figures)	2.3.2 Operations Figure 2-1 Figure 2-2 Figure 2-3 Figure 2-4 Figure 2-5
	The EIS will include expanded descriptions of the... ..closure, decommissioning and restoration of sites and facilities associated with the proposed Project. (including figures)	2.3.3 Decommissioning
	This would include detailed descriptions of the activities to be carried out during each phase, the location of each activity, expected inputs and outputs and an indication of the activity's magnitude and scale.	2.3 Project Activities 2.3.1 Construction 2.3.2 Operations 2.3.3 Decommissioning
	Although a complete list of project activities is required, the emphasis will be on activities with the greatest potential to have environmental effects. Sufficient information will be included to predict environmental effects and address public and Aboriginal groups' concerns identified. Highlight activities that involve periods of increased environmental disturbance or the release of materials into the environment.	2.3 Project Activities Table 4-3
	The EIS will include a detailed schedule including time of year, frequency, and duration for all project activities.	Table 2-3

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	<p>The EIS will provide the preliminary outline of a decommissioning and reclamation plan for any components associated with the Project. This will include ownership, transfer and control of the different project components as well as the responsibility for monitoring and maintaining the integrity of some of the structures. The plan would serve to provide guidance on specific actions and activities to be implemented to decrease the potential for environmental degradation in the long-term during decommissioning and abandonment activities for temporary facilities, and to clearly define the Proponent's ongoing environmental commitments.</p>	2.3.3 Decommissioning
	<p>A conceptual discussion on how decommissioning could occur will be provided for permanent facilities.</p>	2.3.3 Decommissioning 2.3.3.1 Dismantling Facility and Supporting Infrastructure 2.3.3.2 Dismantling of Marine Terminal
<b>6 SCOPE OF THE PROJECT</b>		
6 Scope of the Project	<p>The scope of project for the purposes of the EA includes the components (section 5.6), physical activities (section 5.7) and federal decisions (section 5.2). The proponent will consider all the components, activities and decisions identified in these sections as part of the effects assessment.</p>	1.6 Regulatory Framework and the Role of Government 2.2 Project Components 2.3 Project Activities 2.6 Federal Scope of the Project 2.8 Applicable Permits and Regulatory Approvals
	<p>Based on information received in the project description from the Proponent, the Agency defines the scope of project to be assessed as the construction, operation and decommissioning of the following project components:</p> <p>Construction Related Components and Activities:</p>	
	<ul style="list-style-type: none"> <li>▪ Construction, operation and decommissioning of a 3,500 person temporary camp for the purposes of constructing the facility and all related infrastructure, services and facilities</li> </ul>	2.2.5.2 Temporary Construction Camp 2.3.1.2 Onshore Construction; Construction Camp and Utilities
	<ul style="list-style-type: none"> <li>▪ Construction of an LNG terminal and related infrastructure up to the point of connection with the natural gas transmission line</li> </ul>	2.2 Project Components 2.3 Project Activities
	<ul style="list-style-type: none"> <li>▪ Construction of the associated marine terminal</li> </ul>	2.2.2.1 Marine Infrastructure 2.3.1.5 Marine Construction; Marine Terminal
	<ul style="list-style-type: none"> <li>▪ Tree removal, vegetation clearing, peat removal and general site preparation</li> </ul>	2.3.1.1 Site Preparation (Land Based)
	<ul style="list-style-type: none"> <li>▪ Disposal of cleared vegetation, peat, waste rock and overburden</li> </ul>	2.3.1.1 Site Preparation (Land Based)

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	<ul style="list-style-type: none"> <li>Construction, operation and decommissioning of a materials offloading facility (MOF)</li> </ul>	2.2.4.1 Materials Offloading Facility 2.3.1.5 Marine Construction; Materials Off-Loading Facility 2.3.3.2 Dismantling of Marine Terminal
	<ul style="list-style-type: none"> <li>Removal, transportation and disposal of dredged sediments</li> </ul>	2.3.1.4 Dredging 2.3.1.7 Disposal at Sea
	<ul style="list-style-type: none"> <li>Post-construction clean-up and on-site grounds reclamation</li> </ul>	2.3.1.9 Site Clean Up and Reclamation
	<ul style="list-style-type: none"> <li>Commissioning of the LNG facility and marine terminal</li> </ul>	2.3.1.8 Operational Testing and Commissioning
	<ul style="list-style-type: none"> <li>Bridge and road construction connecting Lelu Island to Port Edward</li> </ul>	2.2.4.2 Bridge and Roads 2.3.1.2 Onshore Construction; Bridge and Access Road 2.3.1.5 Marine Construction; Bridge
	<ul style="list-style-type: none"> <li>Any supporting temporary facilities (e.g. barge landing sites, access roads, off-site materials storage)</li> </ul>	2.2.5.1 Pioneer Dock 2.2.5.2 Temporary Construction Camp 2.3.1.2 Onshore Construction; Construction Camp and Utilities 2.3.1.2 Onshore Construction; Heavy-Haul Road 2.3.1.5 Marine Construction; Pioneer Dock
	Operations Related Components and Activities: <ul style="list-style-type: none"> <li>Feed gas receiving equipment including a pig receiver, pressure let-down station, metering station with telemetry, and inlet gas separator.</li> </ul>	2.2.1.1 Feed Gas Receiving Unit 2.2.1.2 Pressure Let Down Unit 2.2.1.6 Fractionation Unit
	<ul style="list-style-type: none"> <li>Gas treatment equipment to remove any trace amounts of CO<sub>2</sub>, H<sub>2</sub>S, mercury, or water.</li> </ul>	2.2.1.3 Gas Treatment Unit 2.2.1.4 Gas Dehydration Unit 2.2.1.5 Mercury Removal Unit
	<ul style="list-style-type: none"> <li>Up to three identical 6 MTA liquefaction trains (two to be constructed in Phase I with provision for a third train in Phase II).</li> </ul>	2.2.1.7 Liquefaction Unit
	<ul style="list-style-type: none"> <li>Electrical power plant producing up to 700 MW of combined mechanical and electrical power or any off-site power sources that are under consideration;</li> </ul>	2.2.3.2 Electrical Power Supply
	<ul style="list-style-type: none"> <li>Any electrical transmission lines constructed as a component of the LNG facility</li> </ul>	2.4.3 Alternative Source of Electrical Power
	<ul style="list-style-type: none"> <li>Two or more nitrogen generation and vaporization packages with</li> </ul>	2.2.3.8 Nitrogen Generation System

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	liquid nitrogen storage.	
	<ul style="list-style-type: none"> <li>▪ Up to three 180,000 m<sup>3</sup> full containment LNG storage tanks (two to be constructed in Phase I with provision of a third in Phase II).</li> </ul>	2.2.2 LNG Storage and Loading
	<ul style="list-style-type: none"> <li>▪ Instrument and facility compressed air system.</li> </ul>	2.2.3.9 Compressed Air System
	<ul style="list-style-type: none"> <li>▪ Flare system for emergency, start-up hydrocarbon releases, and annual maintenance.</li> </ul>	2.2.3.1 Flare System
	<ul style="list-style-type: none"> <li>▪ Any other bulk storage systems</li> </ul>	2.2.3.3 Other Bulk Storage
	<ul style="list-style-type: none"> <li>▪ LNG production and storage</li> </ul>	2.2.1.7 Liquefaction Unit 2.2.2 LNG Storage and Loading
	<ul style="list-style-type: none"> <li>▪ Storage and use of additional facility materials such as diesel fuel and propane</li> </ul>	2.1.3.10 Bunker Fuel 2.1.3.11 Propane Use and Storage
	<ul style="list-style-type: none"> <li>▪ Loading of LNG carriers</li> </ul>	2.2.2.2 Loading and Vapor Return Arms
	<ul style="list-style-type: none"> <li>▪ Off-loading of propane and other facility materials</li> </ul>	2.1.3.11 Propane Use and Storage
	<ul style="list-style-type: none"> <li>▪ Ship and tug activities, including moorage and transit, associated with the operation of the marine terminal between the terminal and the Triple Island pilotage station.</li> </ul>	2.3.2.3 Shipping
	<ul style="list-style-type: none"> <li>▪ Any on-going sediment management activities such as dredging and disposal at sea</li> </ul>	2.3.1.1 Site Preparation (Land Based) 2.3.1.4 Dredging 2.3.1.7 Disposal at Sea 2.4.7 Alternative to Disposal at Sea for Marine Sediments
	<ul style="list-style-type: none"> <li>▪ Jetty supported by a trestle and including a control room, dual berths, and insulated cryogenic piping with loading platform</li> </ul>	2.2.2.1 Marine Infrastructure
	<ul style="list-style-type: none"> <li>▪ Two berths capable of berthing two 217,000 m<sup>3</sup> LNG carriers (Q-Flex) up to 315 m in length</li> </ul>	2.2.2.1 Marine Infrastructure
	<ul style="list-style-type: none"> <li>▪ One berth for propane import, if needed</li> </ul>	2.1.3.11 Propane Use and Storage
	<ul style="list-style-type: none"> <li>▪ Trestle and berth topside infrastructure including a control room, insulated cryogenic piping, pumping equipment, and LNG loading infrastructure.</li> </ul>	2.2.2.1 Marine Infrastructure 2.2.2.2 Loading and Vapor Return Arms

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	Supporting Infrastructure: <ul style="list-style-type: none"> <li>▪ Utilities supply infrastructure</li> </ul>	2.2.3.4 Water Supply Infrastructure
	<ul style="list-style-type: none"> <li>▪ Wastewater treatment systems (for sewage and all other liquid effluents)</li> </ul>	2.2.3.5 Wastewater Treatment Systems
	<ul style="list-style-type: none"> <li>▪ Storm water management infrastructure</li> </ul>	2.2.3.6 Storm Water Management Infrastructure
	<ul style="list-style-type: none"> <li>▪ Firewater system</li> </ul>	2.2.3.7 Fire Control Infrastructure
	<ul style="list-style-type: none"> <li>▪ Bunkering facilities (diesel fuel)</li> </ul>	2.1.3.10 Bunker Fuel
	<ul style="list-style-type: none"> <li>▪ Administration and maintenance buildings</li> </ul>	2.2.4.3 Administration and Maintenance Buildings
	<ul style="list-style-type: none"> <li>▪ Site fencing</li> </ul>	2.2.4.4 Site Fencing
	<ul style="list-style-type: none"> <li>▪ Propane storage</li> </ul>	2.1.3.11 Propane Use and Storage
	<ul style="list-style-type: none"> <li>▪ Any fish habitat constructed as a component of a fish habitat compensation plan</li> </ul>	2.2.4.6 Fisheries and Wetland Compensation 2.3.2.5 Fish Habitat Compensation
	<ul style="list-style-type: none"> <li>▪ Any wetlands constructed or enhanced as a component of a wetlands compensation plan.</li> </ul>	2.2.4.6 Fisheries and Wetland Compensation 2.3.2.6 Wetland Habitat Compensation
	Decommissioning Activities: <ul style="list-style-type: none"> <li>▪ Decommissioning of the LNG facility and marine terminal and all associated components</li> </ul>	2.3.3 Decommissioning
<b>7 SCOPE OF ASSESSMENT</b>		
<b>7.1 Factors to Be Considered</b>		
7.1.1 Valued Components	The Proponent will identify the VCs deemed appropriate to ensure the full consideration of the factors listed in subsection 19(1) of CEAA 2012 as well as the 2012 amendment to section 79 of the Species at Risk Act.  As a minimum, the Proponent must consider the list of environmental components provided in section 9.1 of this document. The final list of VC to be presented in the EIS will be completed according to the evolution and design of the project and reflect the knowledge acquired on the environment through public and Aboriginal consultations.	4.1.1 Valued Components
	The Proponent will describe how the VCs were selected...	4.1.1 Valued Components

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>...and what methods were used to predict and assess the adverse environmental effects of the project on these components.</p>	<p>4.1 Environmental Assessment Methods                      4.1.4 Assessment of Project-Specific Effects                      Analytical Methods for each VC                      6.5.1 Air Quality                      8.5.1 Acoustic Environment                      9.5.1 Ambient Light                      10.5.1 Vegetation and Wetland Resources                      11.5.1 Terrestrial Wildlife and Marine Birds                      12.5.1 Freshwater Aquatic Resources                      13.5.1 Marine Resources                      14.5.1 Economic Environment                      15.5.1 Navigation and Marine Resource Use                      16.5.1 Infrastructure and Services 17.5.1 Visual Quality                      18.5.1 Community Health and Well-Being                      19.5.1 Human and Ecological Health                      20.5.1 Archaeological and Heritage Resources                      21.5.1 Current Use of Lands and Resources for Traditional Purposes</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The VCs will be described in sufficient detail to allow the reviewer to understand their importance and assess the potential for environmental effects arising from the project activities.</p>	<p>4.1.1 Valued Components                      Introduction Section for each VC                      6.1 Air Quality                      7.1 Greenhouse Gas                      8.1 Acoustic Environment                      9.1 Ambient Light                      10.1 Vegetation and Wetland Resources                      11.1 Terrestrial Wildlife and Marine Birds                      12.1 Freshwater Aquatic Resources                      13.1 Marine Resources                      14.1 Economic Environment                      15.1 Navigation and Marine Resource Use                      16.1 Infrastructure and Services                      17.1 Visual Quality                      18.1 Community Health and Well-Being                      19.1 Human and Ecological Health                      20.1 Archaeological and Heritage Resources                      21.1 Current Use of Lands and Resources for Traditional Purposes</p>
	<p>The rationale for selecting these components as VCs and for excluding others will be stated. If comments are received on a component that has not been included as a VC, these comments will be summarized and addressed in this section.</p>	<p>4.1.1 Valued Components                      Table 4-1</p>



EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>For consultations associated with the identification of VCs, the Proponent will identify those VCs, processes, and interactions that either were identified to be of concern during any workshops or meetings held by the Proponent or that the Proponent considers likely to be affected by the Project. In doing so, the Proponent will indicate to whom these concerns are important and the reasons why, including Aboriginal, social, economic, recreational, and aesthetic considerations.</p>	<p>3 Summary of Engagement                      4.1.1 Valued Components                      Influence of Consultation Section for each VC                      6.2.2 Air Quality                      7.2.2 Greenhouse Gas                      8.2.2 Acoustic Environment                      9.2.2 Ambient Light                      10.2.2 Vegetation and Wetland Resources                      11. 2.2 Terrestrial Wildlife and Marine Birds                      12. 2.2 Freshwater Aquatic Resources                      13. 2.2 Marine Resources                      14. 2.2 Economic Environment                      15. 2.2 Navigation and Marine Resource Use                      16. 2.2 Infrastructure and Services                      17. 2.2 Visual Quality                      18. 2.2 Community Health and Well-Being                      19. 2.2 Human and Ecological Health                      20. 2.2 Archaeological and Heritage Resources                      21. 2.2 Current Use of Lands and Resources for Traditional Purposes</p>
	<p>The Proponent will describe any issues raised or comments noted regarding the nature and sensitivity of the area within and surrounding the Project and any planned or existing land and water use in the area.</p>	<p>3 Summary of Engagement                      28.3 Summary of Comments from the Public                      Table 28-4                      28.4 Aboriginal Rights and Related Interests                      Table 28-5</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The Proponent will also indicate the specific geographical areas or ecosystems that are of particular concern to interested parties, and their relation to the broader regional environment and economy.</p>	<p>3 Summary of Engagement                      4.1.1 Valued Components                      5 Existing Environment                      Influence of Consultation Section for each VC                      6.2.2 Air Quality                      7.2.2 Greenhouse Gas                      8.2.2 Acoustic Environment                      9.2.2 Ambient Light                      10.2.2 Vegetation and Wetland Resources                      11. 2.2 Terrestrial Wildlife and Marine Birds                      12. 2.2 Freshwater Aquatic Resources                      13. 2.2 Marine Resources                      14. 2.2 Economic Environment                      15. 2.2 Navigation and Marine Resource Use                      16. 2.2 Infrastructure and Services                      17. 2.2 Visual Quality                      18. 2.2 Community Health and Well-Being                      19. 2.2 Human and Ecological Health                      20. 2.2 Archaeological and Heritage Resources                      21. 2.2 Current Use of Lands and Resources for Traditional Purposes</p>

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
7.1.2 Effects of Potential Accidents or Malfunctions	The Proponent will list and identify probability of potential accidents and malfunctions related to the project, including an explanation of how those events were identified...	22 Effects of Potential Accidents and Malfunctions 22.1.1 Identification of Potential Accidents and Malfunctions Scenarios 22.1.2 Assessment Method
	...potential consequences (including the environmental effects)...	22.1.3 Identification of Potential Interactions with Valued Components Table 22-1 22.4 Scenario 1: Emergency Flaring and LNG Facility Shutdown 22.5 Scenario 2: Explosion or Fire 22.6 Scenario 3: Fuel or Hazardous Materials Spills 22.7 Scenario 4: LNG Spills 22.8 Scenario 5: Marine Vessel Grounding, Collision, or Allision
	...the plausible worst case scenarios...	22.4.1, 22.5.1., 22.6.1, 22.7.1, 22.8.1 Description of the Possible Scenario
	...and the effects of these scenarios.	22.4.5, 22.5.5, 22.6.5, 22.7.5, 22.8.5 Potential Environmental Effects
	This will include an identification of the magnitude of an accident and/or malfunction...	22.4.1, 22.5.1., 22.6.1, 22.7.1, 22.8.1 Description of the Possible Scenario 22.4.5, 22.5.5, 22.6.5, 22.7.5, 22.8.5 Potential Environmental Effects 22.3 Emergency Response Planning
	...including the quantity, mechanism, rate, form and characteristics of the contaminants and other materials likely to be released into the environment during the accident and malfunction events.	22.4.5, 22.5.5, 22.6.5, 22.7.5, 22.8.5 Potential Environmental Effects
	The EIS will also describe the safeguards that have been established to protect against such occurrences and the contingency/emergency response procedures in place if accidents and/or malfunctions do occur and the efficacy of those respective plans. Detailed contingency and response plans will be presented	22.3 Emergency Response Planning 22.4.2, 22.5.2, 22.6.2, 22.7.2, 22.8.2 Project Design Measures to Reduce Risk 22.4.3, 22.5.3, 22.6.3, 22.7.3, 22.8.3 Emergency Response Approach 22.4.4, 22.5.4, 22.6.4, 22.7.4, 22.8.4 Clean-Up and Restoration Methods

EIS Guideline Section	Details of Requirements	EIS/Application Section
7.1.3 Effects of the Environment on the Project	The EIS will take into account how local conditions and natural hazards, such as severe and/or extreme weather conditions and external events (e.g. flooding, landslides, avalanches, erosion, subsidence, fire, and seismic events) could adversely affect the project and how this in turn could result in impacts to the environment (e.g., extreme environmental conditions result in malfunctions and accidental events).	Section 23
	These events will be considered in different probability patterns (i.e. 5-year flood vs. 100-year flood).	Section 23.5 Environmental Effects Analysis and Mitigation
	Longer-term effects of climate change will also be discussed up to the projected post-closure phase of the project. This discussion will include a description of climate data used.	Section 23.5 Environmental Effects Analysis and Mitigation Section 23.5.5 Climate Change
	The EIS will provide details of a number of planning, design and construction strategies intended to minimize the potential environmental effects of the environment on the project.	Section 23.5 Environmental Effects Analysis and Mitigation
<b>7.2 Scope of Factors</b>		
7.2.1 Spatial Boundaries	The EIS will clearly indicate the spatial boundaries to be used in assessing the potential adverse environmental effects of the proposed project and provide a rationale for each boundary.	4.1 Environmental Assessment Methods 4.1.2. Assessment Boundaries Table 4-1 and Table 4-2
	Spatial boundaries will be defined taking into account as applicable the appropriate scale and spatial extent of potential environmental effects, community and Aboriginal traditional knowledge, current land and resource use by Aboriginal groups, ecological, technical and social and cultural considerations. The description of the Project setting will be presented in sufficient detail to address the relevant environmental effects of the Project.	4.1.2.2 Spatial Boundaries Tables 4-1 and Table 4-2 Boundaries for each VC 6.2.5 Air Quality 7. 2.5 Greenhouse Gas 8. 2.5 Acoustic Environment 9. 2.5 Ambient Light 10. 2.5 Vegetation and Wetland Resources 11. 2.5 Terrestrial Wildlife and Marine Birds 12. 2.5 Freshwater Aquatic Resources 13. 2.5 Marine Resources 14. 2.5 Economic Environment 15. 2.5 Navigation and Marine Resource Use 16. 2.5 Infrastructure and Services 17. 2.5 Visual Quality



EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ Identify those alternative means that are technically and economically feasible, describing each alternative means in sufficient detail.</li> </ul>	2.4.1 Alternative LNG Production Processes 2.4.1.1 Feasibility of Alternatives  2.4.2 Alternative Main Refrigerant Compressor Drivers 2.4.2.1 Feasibility of Alternatives  2.4.3 Alternative Source of Electrical Power 2.4.3.1 Feasibility of Alternatives  2.4.4 Alternative Land-based Access to Lelu Island 2.4.4.1 Feasibility of Alternatives  2.4.5 Alternative Site Location 2.4.5.1 Feasibility of Alternatives  2.4.6 Alternative Placement of Marine Infrastructure (Trestle, Berths and MOF) 2.4.6.1 Feasibility of Alternatives  2.4.7 Alternative to Disposal at Sea for Marine Sediments 2.4.7.1 Feasibility of Alternatives  2.4.8 Alternative Locations for the Disposal at Sea of Marine Sediments 2.4.8.1 Feasibility of Alternatives  2.4.9 Alternative Project Layout 2.4.9.1 Feasibility of Alternatives  2.4.10 Alternative Construction Camp Locations 2.4.10.1 Feasibility of Alternatives
	Identify the effects of each alternative means. <ul style="list-style-type: none"> <li>▪ Identify those elements of each alternative means that could produce effects in sufficient detail to allow a comparison with the effects of the Project.</li> <li>▪ The effects referred to above include both environmental effects and potential adverse impacts on potential or established Aboriginal rights and related interests.</li> </ul>	2.4.1.2 Selection Criteria Assessment 2.4.2.2 Selection Criteria Assessment 2.4.3.2 Selection Criteria Assessment 2.4.4.2 Selection Criteria Assessment 2.4.5.2 Selection Criteria Assessment 2.4.6.2 Selection Criteria Assessment 2.4.7.1 Feasibility of Alternatives 2.4.8.2 Selection Criteria Assessment 2.4.9.2 Selection Criteria Assessment 2.4.10.2 Selection Criteria Assessment

EIS Guideline Section	Details of Requirements	EIS/Application Section
	Identify the preferred means. <ul style="list-style-type: none"> <li>Identify the preferred means based on the relative consideration of effects; and of technical and economic feasibility.</li> </ul>	Preferred Alternative 2.4.1.3, 2.4.2.3, 2.4.3.3, 2.4.4.3, 2.4.5.3, 2.4.6.3, 2.4.7.2, 2.4.8.3, 2.4.9.3, 2.4.10.3
	<ul style="list-style-type: none"> <li>Determine criteria to examine the effects of each remaining alternative means to identify the preferred means.</li> </ul>	Selection Criteria Assessment 2.4.1.2, 2.4.2.2, 2.4.3.2, 2.4.4.2, 2.4.5.2, 2.4.6.2, 2.4.8.2, 2.4.9.2, 2.4.10.2
	In its alternative means analysis, the Proponent will address, as a minimum, the following project components:	
	<ul style="list-style-type: none"> <li>LNG production process</li> </ul>	2.4.1 Alternative LNG Production Processes 2.4.2 Alternative Main Refrigerant Compressor Drivers
	<ul style="list-style-type: none"> <li>Power generation</li> </ul>	2.4.2 Alternative Main Refrigerant Compressor Drivers 2.4.3 Alternative Source of Electrical Power
	<ul style="list-style-type: none"> <li>Land based access to Lelu Island</li> </ul>	2.4.4 Alternative Land-based Access to Lelu Island
	<ul style="list-style-type: none"> <li>Placement of jetty</li> </ul>	2.4.6 Alternative Placement of Marine Infrastructure (Trestle, Berths and MOF)
	<ul style="list-style-type: none"> <li>Locations for the disposal at sea of marine sediment</li> </ul>	2.4.8 Alternative Locations for the Disposal at Sea of Marine Sediments
	<ul style="list-style-type: none"> <li>Alternatives to disposal at sea for sediments</li> </ul>	2.4.7 Alternative to Disposal at Sea for Marine Sediments
	<ul style="list-style-type: none"> <li>Site layout</li> </ul>	2.4.9 Alternative Project Layout
	<ul style="list-style-type: none"> <li>Site locations</li> </ul>	2.4.5 Alternative Site Location
	<ul style="list-style-type: none"> <li>Alternative construction camp locations</li> </ul>	2.4.10 Alternative Construction Camp Locations

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>9 BASELINE CONDITIONS</b>		
<b>9.1 Existing Environment</b>		
9.1.1 Methodology	<p>The EIS will include a description of the environment, including the components of the existing environment and environmental processes, their interrelations and interactions as well as the variability in these components, processes and interactions over time scales appropriate to the Project. The description will be sufficiently detailed to characterize the environment before any disturbance to the environment due to the Project and to identify and assess the significance of the potential adverse environmental effects of the Project. This data should include results from studies done prior to any physical disruption of the environment due to initial site clearing activities. The information describing the existing environment may be provided in a stand-alone chapter of the EIS...</p> <p>...or may be integrated into clearly defined sections within the effects assessment of each VC. This analysis will include environmental conditions resulting from historical and present activities in the local and regional study area.</p> <p>In describing the physical and biological environment, the Proponent will take an ecosystem approach that considers both scientific and traditional knowledge and perspectives regarding ecosystem health and integrity. The Proponent will identify and justify the indicators and measures of ecosystem health and integrity used for analysis and relate these to the identified VCs...</p>	<p>4 Scope of Assessment and Methods 4.1.3 Baseline Conditions 5 Existing Environment</p> <hr/> <p>Baseline Conditions for each VC: 6.3 Air Quality 7.3 Greenhouse Gas Management 8.3 Acoustic Environment 9.3 Ambient Light 10.3 Vegetation and Wetland Resources 11.3 Terrestrial Wildlife and Marine Birds 12.3 Freshwater Aquatic Resources 13.3 Marine Resources 14.3 Economic Environment 15.3 Navigation and Marine Resource Use 16.3 Infrastructure and Services 17.3 Visual Quality 18.3 Community Health and Well-Being 19. 3 Human and Ecological Health 20.3 Archaeological and Heritage Resources 21.3 Current Use of Lands and Resources for Traditional Purposes</p> <hr/> <p>4.1 Environmental Assessment Methods 4.2 Assessment of Cumulative Effects</p>



Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
	...and proposed monitoring and follow-up measures.	4.8 Follow-up Program
	The Proponent will consider the resilience of relevant species populations, communities and their habitats.	4 Scope of Assessment and Methods 4.1.4 Assessment of Project-Specific Effects 41.4.4 Characterization of Residual Effects
	<p>The Proponent will summarize all pertinent historical information on the size and geographic extent of relevant species populations as well as density, based on best available information. Where little or no information is available, specific studies will be designed to gather further information on species populations, densities and the interrelations of these species to the ecosystem.</p> <p>The Proponent will make all reasonable efforts to gather information from any previous studies for the Lelu Island area, and include this information in relevant portions of its baseline conditions.</p>	Baseline Conditions for each VC 6.3 Air Quality 8.3 Acoustic Environment 9.3 Ambient Light 10.3 Vegetation and Wetland Resources 11.3 Terrestrial Wildlife and Marine Birds 12.3 Freshwater Aquatic Resources 13.3 Marine Resources 14.3 Economic Environment 15.3 Navigation and Marine Resource Use 16.3 Infrastructure and Services 17.3 Visual Quality 18.3 Community Health and Well-Being 19.3 Human and Ecological Health 20.3 Archaeological and Heritage Resources 21. 3 Current Use of Lands and Resources for Traditional Purposes
	Habitat at regional and local scales should be defined in ecological mapping of aquatic and terrestrial vegetation types and species (e.g. ecological land classification mapping). This mapping should include reference to Terrestrial Ecosystem Mapping using the applicable provincial Resource Information Standards Committee (RISC) standards.	Baseline Conditions for: 10.3 Vegetation and Wetland Resources 11.3 Terrestrial Wildlife and Marine Birds
	Habitat use will be characterized by type of use (e.g. spawning, breeding, migration, feeding, nursery, rearing, wintering), frequency and duration. This assessment will consider all relevant variations for all VCs as appropriate. Emphasis will be on those species, communities and processes identified as VCs. However, the interrelations of these components and their relation to the entire ecosystem and communities of which they are a part will be indicated (e.g. population-level risk assessment).	Baseline Conditions for: 10.3 Vegetation and Wetland Resources 11.3 Terrestrial Wildlife and Marine Birds 12.3 Freshwater Aquatic Resources 13.3 Marine Resources

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The Proponent will address issues such as habitat, nutrient and chemical cycles, food chains, productivity, to the extent that they are appropriate to understanding the effect of the Project on ecosystem health and integrity. Range and probability of natural variation over time will also be considered.</p>	<p>Baseline Conditions for:                      10.3 Vegetation and Wetland Resources                      11.3 Terrestrial Wildlife and Marine Birds                      12.3 Freshwater Aquatic Resources                      13.3 Marine Resources</p>
	<p>The Proponent will also examine changes in the distribution, populations, behaviour, and availability of wildlife, fish, and flora in the important context of implications to current use of lands and resources by Aboriginal peoples.</p>	<p>Baseline Conditions for:                      10.3 Vegetation and Wetland Resources                      11.3 Terrestrial Wildlife and Marine Birds                      12.3 Freshwater Aquatic Resources                      13.3 Marine Resources                      21. 3 Current Use of Lands and Resources for Traditional Purposes</p>
	<p>If the baseline data have been extrapolated or otherwise manipulated to depict environmental conditions in the study areas, modelling methods and equations will be described and will include calculations of margins of error and other relevant statistical information, such as confidence intervals and possible sources of error.</p>	<p>Baseline Methods and Data Sources for:                      6.3.1 Air Quality                      8.3.1 Acoustic Environment                      9.3.1 Ambient Light                      10.3.1 Vegetation and Wetland Resources                      11.3.1 Terrestrial Wildlife and Marine Birds                      12.3.1 Freshwater Aquatic Resources                      13.3.1 Marine Resources                      14.3.1 Economic Environment                      15.3.1 Navigation and Marine Resource Use                      16.3.1 Infrastructure and Services                      17.3.1 Visual Quality                      18.3.1 Community Health and Well-Being                      19. 3.1 Human and Ecological Health                      20.3.1 Archaeological and Heritage Resources                      21. 3.1 Current Use of Lands and Resources for Traditional Purposes</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
9.1.2 Biophysical Environment	Based on the scope of project described in section 6, the Proponent will present the following baseline information to facilitate the identification of valued components for the purposes of the environmental assessment. Should other VCs be identified during the conduct of the EA, these will also be described in the EIS.	
	<p><i>Atmospheric Environment and Climate</i></p> <p>The EIS will describe the following:</p> <ul style="list-style-type: none"> <li>▪ ambient air quality in the project area and, the results of a baseline survey of ambient air quality, including the following contaminants: PM2.5, PM10, SOx, NOx, VOCs, CO and H2S</li> </ul>	6.2 Scope of Assessment 6.3 Baseline Conditions Appendix C
	<ul style="list-style-type: none"> <li>▪ information to facilitate the assessment of the potential acidification of ecosystems which may include dispersion modelling. (estimates of dry deposition of nitrates and sulfates, measurements of wet deposition of nitrates (NO<sub>3</sub>) and sulfates (SO<sub>4</sub>) including precipitation chemistry measurements of pH, acidity, alkalinity, base cations (Ca, Mg, K, Na), PO<sub>4</sub>, NH<sub>4</sub> and Cl, etc.)</li> </ul>	6.3 Air Quality Baseline Conditions 6.4.1 Air Quality Appendix C
	<ul style="list-style-type: none"> <li>▪ current ambient noise levels within the local area, including the results of a baseline ambient noise survey, typical sound sources, geographic extent and temporal variations</li> </ul>	8.2.5 Acoustic Boundaries Appendix D 8.3 Acoustic Baseline Conditions 8.3.1 Acoustic Baseline Method and Data Sources 8.3.2 Acoustic Overview of Baseline Conditions Table 8-4 Table 8-5 Table 8-6 Figure 8-1
	<ul style="list-style-type: none"> <li>▪ existing ambient light levels at the project site and at any other areas where project activities could have an effect on light levels and night-time illumination levels during different weather conditions and seasons</li> </ul>	9.2.5 Ambient Light Boundaries 9.3 Ambient Light Baseline Conditions 9.3.1 Ambient Light 9.3.2 Ambient Light Overview of Baseline Conditions 9.4 Ambient Light Project Interactions with Ambient Light Table 9-8 Figure 9-1 Figure 9-2 9.4.1 Justification of Interaction Rankings

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ seasonal and climactic information including historical records of total precipitation (rain and snow), mean, max and min temperatures, wind directions and velocity, frequency of fog, tidal fluctuations and storm surges and extreme climate events</li> </ul>	5.1 Atmospheric Environment and Climate 5.1.1 Climate 5.1.2 Tidal Fluctuations and Storm Surges 23.5 Environmental Effects Analysis and Mitigation 23.5.1 Severe Precipitation 23.5.2 Fog and Visibility 23.5.3 Winds, Tides and Storms 23.5.4 Seismic Activity and Tsunamis Appendix C 6.3 Air Quality Baseline Conditions
	<ul style="list-style-type: none"> <li>▪ greenhouse gas (GHG) jurisdictional considerations including GHG related policies, plans or programs</li> </ul>	7.2.1 GHG Management Regulatory and Policy Setting
	<p><i>Terrestrial and Marine Environment-Geology and Geochemistry</i>                      The EIS will describe the following:</p> <ul style="list-style-type: none"> <li>▪ a delineation of the regional and local geological and oceanographic structures in the project area that may affect the proposed infrastructure including major structural features as well as lesser local structures, their ecological functions and distribution in the local study area.</li> </ul>	5.2 Geophysical Environment 5.2.1 Geology
	<ul style="list-style-type: none"> <li>▪ Geomorphology, bathymetry and topography of areas proposed for construction of major project components</li> </ul>	5.2 Geophysical Environment 5.2.1 Geology 5.2.2 Bathymetry 5.3 Surficial Geology (Terrain and Soil) 5.4 Vegetation and Wetlands Appendix G
	<ul style="list-style-type: none"> <li>▪ bedrock lithology, morphology, geomorphology and soils, sediments where earthworks or dredging is proposed</li> </ul>	5.2 Geophysical Environment 5.2.1 Geology 5.2.2 Bathymetry Appendix O

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ a description of geological hazards that exist in the areas planned for the project facilities and infrastructure, including :               <ul style="list-style-type: none"> <li>• history of seismic activity in the area</li> <li>• isostatic rise or subsidence landslides, slope erosion and the potential for ground and rock instability, and subsidence following project activities</li> <li>• history of landslide or seismic generated tsunamis.</li> </ul> </li> </ul>	5.2 Geophysical Environment 5.2.1 Geology 5.3 Surficial Geology (Terrain and Soil)
	<ul style="list-style-type: none"> <li>▪ sites of paleontological importance</li> </ul>	5.8 Human Environment
	<p><i>Surficial Geology (i.e. Terrain and Soil)</i>            The EIS will describe the following:</p> <ul style="list-style-type: none"> <li>▪ baseline mapping and description of landforms and landform processes and soils within the local and regional project area</li> <li>▪ geochemical characteristics of surficial sedimentary units and soils</li> <li>▪ a description/details of soil sample analysis completed and the quality assurance/quality control program followed</li> <li>▪ suitability of topsoil and overburden for use in the re-vegetation of surface-disturbed areas</li> <li>▪ a summary of the baseline data for determining impacts on soils resulting from the deposition of acidifying compounds</li> </ul>	5.3 Surficial Geology (Terrain and Soil) Appendix G

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p><i>Water Resources</i></p> <p>The EIS will describe surface water quality, hydrology and sediment quality within the area of influence of the Project. The baseline will provide the basis for the assessment of potential effects to surface water, presenting the range of water and sediment quality and surface water hydrology.</p> <p>Furthermore, the EIS will describe:</p> <ul style="list-style-type: none"> <li>▪ The delineation of drainage basins, at appropriate scales</li> <li>▪ The assessment of hydrological regimes</li> <li>▪ Flows or design peak flows for selected periods for the project area</li> <li>▪ Surface water properties used in determining impacts to aquatic resources from the aerial deposition of acidifying compounds</li> <li>▪ Any local and regional potable surface water resource</li> <li>▪ Any local and regional potable surface water resource</li> <li>▪ Seasonal water quality field and lab analytical results for representative local watercourse and marine water monitoring stations established at the project site.</li> </ul>	<p>Section 5.6 Freshwater Aquatic Resources</p> <p>12 Freshwater Aquatic Resources</p> <p>12.3 Baseline Conditions</p> <p>Appendix I</p> <p>13 Marine Resources</p> <p>13.3 Baseline Conditions</p> <p>Appendix L</p>
	<p><i>Wetlands</i></p> <p>The locations and extent of all wetlands in the project area, including coastal wetlands (e.g., salt marshes and eelgrass beds), shall be mapped.</p>	<p>10 Vegetation and Wetland Resources</p> <p>10.3 Baseline Conditions</p> <p>Appendix E</p> <p>13 Marine Resources</p> <p>13.3 Baseline Conditions</p> <p>Appendix M</p>
	<p>The EIS shall provide an estimate (in hectares) of each type of wetland ecosystem in the project area. Reference can be made to the US Army Corps of Engineers (1987) Wetland Delineation Method, the Canadian Wetland Classification System - National Wetlands Working Group [NWWG] (1997) and Terrestrial Ecosystem Mapping 4 methods following the applicable RISC standards. Efforts should focus on describing the wetlands with the greatest potential to be potentially affected, including those within the project footprint.</p>	<p>10 Vegetation and Wetland Resources</p> <p>10.3 Baseline Conditions</p> <p>Appendix E</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	An overview of the key plant communities and animals that rely on wetlands will be presented.	10 Vegetation and Wetland Resources 10.3 Baseline Conditions Appendix E 11 Terrestrial Wildlife and Marine Birds 11.3 Baseline Conditions Appendix H
	An evaluation of wetland functions, including hydrological and biogeochemical processes, and habitat, will be presented. The functions assessment will be based on the baseline data collected by the Proponent, existing data sources relevant to the project area, and literature sources.	10 Vegetation and Wetland Resources 10.3. Baseline Conditions 10.3.2.1 Local Assessment Area Terrestrial Ecosystem Mapping 10.3.2.8 Wetlands Appendix E
	The EIS will identify and describe the methodology(s) that were used for the wetland functions assessment, including the use of aerial photos, TEM/VRI/TRIM maps, and wildlife baseline data.	10 Vegetation and Wetland Resources 10.3.1 Baseline Methods and Data Sources Appendix E
	To address any residual impacts to wetlands that provide habitat functions for migratory birds and species at risk, the EIS shall include a proposed wetland compensation plan.	10 Vegetation and Wetland Resources 10.5.4.2 Change in Wetland Functions Appendix F
	<i>Fish and Fish Habitat</i> To enable analysis of the project's effects, the EIS will document the physical and biological characteristics of the fish and fish habitat likely to be directly or indirectly affected by the Project.	12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I 13 Marine Resources 13.3 Baseline Conditions Appendix M
	The EIS will describe the limnology, hydrology, freshwater, biota, presence of fish and other freshwater species, associated habitats and habitat distribution in potentially affected surface waters, based on available published information, information resulting from community consultation, and results of on-site baseline surveys.	12 Freshwater Aquatic Resources 12.3 Baseline Conditions 12.3.2 Overview of Baseline Conditions Appendix I

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The EIS will describe the marine ecology and marine biota, presence of fish associated habitats and habitat distribution in potentially affected surface waters, based on available published information, information resulting from community consultation, and results of on-site baseline surveys.</p>	<p>13 Marine Resources 13.3 Baseline Conditions Appendix L Appendix M</p>
	<p>The EIS will describe the fisheries in potentially affected surface waters, based on available published information, information resulting from community consultation, and results of on-site baseline surveys.</p>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I 13 Marine Resources 13.3 Baseline Conditions Appendix M</p>
	<p>Furthermore, the EIS will: characterize fish populations on the basis of species and life stage for affected water bodies (i.e., project footprint, tidal and sub-tidal) and consider seasonal and annual variations</p>	<p>13 Marine Resources 13.3 Baseline Conditions Appendix M</p>
	<ul style="list-style-type: none"> <li>▪ list any rare fish or invertebrate species that are known to be present, and</li> </ul>	<p>13 Marine Resources 13.3 Baseline Conditions Table 13-5 Table 13-6 Appendix M</p>
	<ul style="list-style-type: none"> <li>▪ identify any potential areas and fish habitat sites that could be rehabilitated, restored or created for possible habitat gains to offset losses from the Project.</li> </ul>	<p>Appendix K</p>
	<p>The EIS will illustrate, on a topographic scale map, the hydrographic network (water bodies and watercourses), including intermittent streams, flood risk areas and wetlands. It will also indicate the boundaries of the watershed and subwatersheds of the study area.</p> <ul style="list-style-type: none"> <li>▪ Emphasis will be placed on the watercourses and water bodies likely to be affected by the Project and their physical characteristics, water quality and hydrological regime and...</li> </ul>	<p>12 Freshwater Aquatic Resources Figure 12-2 Figure 12-3</p>
	<p>...marine currents and tides.</p>	<p>Appendix L Appendix O</p>



EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>More specifically, if fish-bearing watercourses are present, for all water bodies on which effects are anticipated, the EIS will describe the following biophysical characteristics:</p> <p>For each water body, indicate the name and provide a description of the habitat by homogeneous section. The parameters that must be determined are length of the section, width of the channel from the high water mark (bankful width), water depths, type of substrate (sediments), aquatic and riparian vegetation, including bank slopes. It is recommended that photos be attached to the description. ...</p>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p> <p>13 Marine Resources 13.3 Baseline Conditions Appendix L Appendix M</p>
	<p>...It is recommended that photos be attached to the description.</p>	<p>Appendix I</p>
	<p>For each watercourse or water body affected, indicate the name and provide a description. The parameters that must be determined are total surface area, bathymetry, maximum and mean depths, water level fluctuations or tides, type of substrate (sediments), and location of submerged, floating and emergent aquatic vegetation, and water quality parameters (e.g. water temperature, turbidity, pH, dissolved oxygen profiles).</p>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p> <p>13 Marine Resources 13.3 Baseline Conditions Appendix L Appendix M</p>
	<ul style="list-style-type: none"> <li>▪ Describe monthly/seasonal/annual water flow (discharge) and tidal data, including minimum and maximum flows and sea levels.</li> </ul>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p> <p>13 Marine Resources 13.3 Baseline Conditions Appendix L</p>
	<ul style="list-style-type: none"> <li>▪ Describe natural obstacles (e.g. falls, beaver dams) or existing structures (e.g. water crossings) that hinder the free passage of fish for freshwater water bodies and watercourses.</li> </ul>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p>
	<ul style="list-style-type: none"> <li>▪ Include habitat maps at a suitable scale indicating the surface area of habitat for spawning, nursery, feeding, migration routes, etc. This information should be linked to water depths (bathymetry) to identify the extent of the littoral or tidal zones.</li> </ul>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p> <p>13 Marine Resources 13.3 Baseline Conditions Appendix M</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ Fish sampling survey methods used will be described in order to allow experts to ensure the quality of the information provided. If studies on fish and fish habitat were carried out previously, they are to be submitted with the EIS.</li> </ul>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p> <p>13 Marine Resources 13.3 Baseline Conditions Appendix M</p>
	<p>For all watercourses or water bodies on which the Project is likely to have effects, the EIS will:</p> <ul style="list-style-type: none"> <li>▪ describe the fish species present on the basis of the surveys carried out and the data available (e.g. electric and experimental fishing, government and historical databases, sport fishing data, traditional and local knowledge). Identify the sources of the data and provide the information concerning the fishing carried out (e.g. location of sampling stations, catch methods, date of catches, species importance of each fish species in terms of its role in Aboriginal subsistence and commercial fishing and Aboriginal cultural activities)</li> <li>▪ specify the location and areas of potential or confirmed fish habitats and describe how they are used by fish (spawning, rearing, growth, feeding, migration, overwintering),</li> <li>▪ locate and describe suitable habitats for species at risk that appear on federal and provincial lists and that are found or are likely to be found in the study area,</li> </ul>	<p>12 Freshwater Aquatic Resources 12.3 Baseline Conditions Appendix I</p> <p>13 Marine Resources 13.3 Baseline Conditions Appendix M</p>
	<ul style="list-style-type: none"> <li>▪ document any blasting activity near water where vibrations may affect fish behaviour, such as spawning or migrations</li> </ul>	<p>13 Marine Resources 13.5 Effects Assessment 13.5.5.4 Direct Mortality or Physical Injury to Fish or Marine Mammals</p>
	<ul style="list-style-type: none"> <li>▪ indicate how fish passage will be maintained for sites where stream crossings are to be installed, constructed or modified</li> </ul>	<p>Not applicable</p>
	<ul style="list-style-type: none"> <li>▪ The EIS will describe marine plants, including all benthic and detached algae, marine flowering plants, brown algae, red algae, green algae and phytoplankton</li> </ul>	<p>13 Marine Resources 13.3 Baseline Conditions 13.3.2.2 Fish and Fish Habitat Appendix M</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p><i>Wildlife and Wildlife Habitat</i></p> <ul style="list-style-type: none"> <li>▪ The EIS will describe migratory and non-migratory birds (including waterfowl, raptors, shorebirds, marsh birds and other land birds), ungulates, furbearers, amphibians, small mammals, bats, reptiles, invertebrates, and their habitat at the project site and within the local and regional areas.</li> </ul>	<p>11 Terrestrial Wildlife and Marine Birds 11.3 Baseline Conditions 11.3.1 Existing Data Sources and Desktop Studies Appendix H</p>
	<p>The EIS will include an assessment of wildlife habitat features, including for example mineral licks, bat roosts/hibernacula, and wallows.</p> <p>The results of any baseline surveys and a description of their methodologies will be included. The survey methodologies used will be by inventory group following RISC or other appropriate standards (for example, bird inventory groups include songbirds, woodpeckers, swallows and swifts, shorebirds, waterfowl, riverine birds, raptors, Marbled Murrelet, nighthawks and poorwills).</p> <p>Discussion of the results will include abundance, distribution and diversity, as well as habitat use.</p> <p>Migratory birds are protected under the Migratory Birds Convention Act (MBCA) and associated regulations. Preliminary data from existing sources will be gathered on year-round migratory bird use of the area (e.g., winter, spring migration, breeding season, fall migration). In addition to information obtained from naturalists, other relevant datasets should be consulted.</p>	<p>11 Terrestrial Wildlife and Marine Birds 11.3 Baseline Conditions 11.3.1 Existing Data Sources and Desktop Studies 11.3.2 Overview of Baseline Conditions Appendix H</p>
	<p>Existing data will be supplemented by surveys, where appropriate. Surveys should be designed with reference to Environment Canada's - Canadian Wildlife Service's guidance such as Technical Report No. 508, A Framework for the Scientific Assessment of Potential Project Impacts on Birds (Hanson et al. 2009).</p>	<p>11 Terrestrial Wildlife and Marine Birds 11.3.2 Overview of Baseline Conditions 11.3.2.1 Habitat Modelling 11.5.1.1 Analytical Assessment Techniques Appendix H</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>Other wildlife and their habitat, including marine mammals, that could be impacted by project activities will be characterized using existing data, and can include traditional Aboriginal knowledge, supplemented by surveys as appropriate.</p>	<p>11 Terrestrial Wildlife and Marine Birds                      11.3.1 Existing Data Sources and Desktop Studies                      11.3.2 Overview of Baseline Conditions                      11.4.1 Justification of Interaction Rankings                      11.5.3 Change in Mortality Risk                      11.5.4 Alteration of Movement                      13 Marine Resources                      13.3.2 Overview of Baseline Conditions                      Appendix M</p>
	<p>The EIS will give particular consideration to areas of concentration of migratory animals, such as breeding, denning and wintering areas, as well as breeding areas of species low in number and high in the food chain (e.g. furbearers such as black bear and wolf).</p>	<p>11 Terrestrial Wildlife and Marine Birds                      11.3 Baseline Conditions                      11.3.1 Existing Data Sources and Desktop Studies                      11.3.2 Overview of Baseline Conditions                      11.4.1 Justification of Interaction Rankings                      11.5 Effects Assessment                      11.5.3 Change in Mortality Risk                      11.5.4 Alteration of Movement</p>
	<p>The description of the existing environment will include consideration of existing or proposed protected areas, special management areas, and conservation areas in the regional study area.</p>	<p>11 Terrestrial Wildlife and Marine Birds                      11.3 Baseline Conditions</p>
	<p>The species selected within each biotic VC should include those of importance to health and socio-economic conditions, cultural heritage and the current use of land and resources for traditional purposes by Aboriginal persons</p>	<p>11 Terrestrial Wildlife and Marine Birds                      11.1 Introduction                      11.2.2 Influence of Consultation on the Assessment                      11.2.3 Selection of Potential Effects</p>
	<p><i>Species at Risk and Species of Conservation Concern</i>                      As background for the analysis of the project's effects on Species at Risk (SAR), the EIS will:                      identify all SARs that may be affected by the Project, using existing data and literature as well as surveys to provide current field data, as appropriate,</p>	<p>11 Terrestrial Wildlife and Marine Birds                      11.3.1 Existing Data Sources and Desktop Studies                      11.3.2 Overview of Baseline Conditions                      11.5.2 Change in Habitat                      11.5.3 Change in Mortality Risk                      11.5.4 Alteration of Movement                      Appendix H</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ incorporate any published studies that describe the regional importance, abundance and distribution of SARs, and</li> </ul>	11 Terrestrial Wildlife and Marine Birds 11.3 Baseline Conditions 11.3.1 Existing Data Sources and Desktop Studies 11.3.2 Overview of Baseline Conditions Appendix H
	<ul style="list-style-type: none"> <li>▪ identify residences, seasonal movements, movement corridors, habitat requirements, key habitat areas, identified critical habitat and recovery habitat (where applicable) and general life history of SARs that may occur in the project area, or be affected by the Project.</li> </ul>	11 Terrestrial Wildlife and Marine Birds 11.3 Baseline Conditions 11.3.1 Existing Data Sources and Desktop Studies 11.3.2 Overview of Baseline Conditions 11.5.2 Change in Habitat 11.5.3 Change in Mortality Risk 11.5.4 Alteration of Movement Appendix H
	<i>Ecosystems (grassland, temperate forest, etc.)</i> <ul style="list-style-type: none"> <li>▪ The EIS will describe the various ecosystems found in the project area which are likely to be affected by the Project.</li> </ul>	10 Vegetation and Wetland Resources 10.3.2.1 Local Assessment Area Terrestrial Ecosystem Mapping 10.5.2 Change in Abundance of Plant Species of Interest 10.5.3 Change in Abundance or Condition of Ecological Communities 10.5.4 Change in Wetland Functions
	<i>Flora</i> The EIS will describe potential or known plant species in the project area, which are listed under the Species at Risk Act or other provincial or territorial endangered species legislation, and critical habitat that are likely to be affected by the Project	10 Vegetation and Wetland Resources 10.3.2.3 Plant Species at Risk
	For rare plant surveys, the Proponent is encouraged to reference the Protocols for Rare Plant Surveys by Penny and Klinkenberg, available through the CDC and E-Flora websites. Appropriately qualified botanists will complete the surveys.	10 Vegetation and Wetland Resources 10.3 Baseline Methods and Data Sources Appendix E

EIS Guideline Section	Details of Requirements	EIS/Application Section
9.1.3 Human Environment	<p>The definition of the human environment will be interpreted broadly. Based on the scope of project described in section 6, the Proponent will provide the following baseline information to facilitate the identification of the valued components (VC):</p> <ul style="list-style-type: none"> <li>▪ land use context (e.g., hunting, fishing, outdoor recreation, use of seasonal cabins, existing land development)</li> </ul>	<p>5.8 Human Environment                      15.3 Navigation and Marine Use Baseline Conditions                      16.3 Infrastructure and Services Baseline Conditions                      17.3 Visual Quality Baseline Conditions                      21.3 Current Use of Lands for Traditional Purposes Conditions</p>
	<ul style="list-style-type: none"> <li>▪ health and socio-economic conditions                             <ul style="list-style-type: none"> <li>• The Proponent will include all baseline information relevant to human health in one section of the EIS. The Proponent should refer to Health Canada’s Useful Information for Environmental Assessments document in order to include the appropriate baseline information relevant to human health.</li> </ul> </li> </ul>	<p>19.3 Human and Ecological Health Baseline Conditions</p>
	<ul style="list-style-type: none"> <li>• In describing the socio-economic environment, the Proponent will provide information on the functioning and health of the socio-economic environment, encompassing a broad range of matters that affect communities and Aboriginal peoples in the study area in a way that recognizes interrelationships, system functions and vulnerabilities.</li> </ul>	<p>5.8 Human Environment                      Baseline Conditions for the Following VCs:                      15.3 Navigation and Marine Use                      16.3 Infrastructure and Services                      17.3 Visual Quality                      18.3 Community Health and Well Being                      19.3 Human and Ecological Health                      21.3 Current Use of Lands and Resources for Traditional Purposes</p>
	<ul style="list-style-type: none"> <li>• A description of the rural and urban settings likely to be affected by the Project will be provided.</li> </ul>	<p>2.5 Project Land Use                      5.8 Human Environment                      Baseline Conditions for the Following VCs:                      15.3 Navigation and Marine Use                      16.3 Infrastructure and Services                      17.3 Visual Quality                      18.3 Community Health and Well Being</p>
	<ul style="list-style-type: none"> <li>▪ physical and cultural heritage                             <ul style="list-style-type: none"> <li>• The EIS will describe physical and cultural heritage, and will provide information on heritage resources.</li> <li>• Any structures, sites or things of historical archaeological, paleontological or architectural significance.</li> </ul> </li> </ul>	<p>5.8 Human Environment                      Baseline Conditions for the following VCs:                      20.3 Archaeology and Heritage Resources                      21.3 Current Use of Lands and Resources for Traditional Purposes                      Appendix R                      Appendix S</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ current use of land and resources for traditional purposes by Aboriginal peoples               <ul style="list-style-type: none"> <li>• In describing current uses of land and resources by Aboriginal groups for traditional purposes, the Proponent will include activities related, but not limited, to hunting, fishing, trapping, cultural and other traditional uses of the land (e.g. collection of medicinal plants, use of sacred sites).</li> <li>• Potential effects on current uses include access to areas that are of importance or concern to Aboriginal groups.</li> </ul> </li> </ul>	21 Current Use of Lands and Resources for Traditional Purposes 21.2.3 Selection of Potential Effects 21.3 Baseline Conditions 15 Navigation and Marine Use 15.4.2.7 Aboriginal Fisheries
	In describing how the Project may impede navigation, the EIS will: <ul style="list-style-type: none"> <li>▪ Identify any vessel exclusion areas, project components and a description of any activities (e.g., dredging, alteration of water bed or water banks) that may affect waterways and water bodies.</li> </ul>	15 Navigation and Marine Resource Use 15.4 Project Interactions with Navigation and Marine Resource Use
	<ul style="list-style-type: none"> <li>▪ Describe any Aboriginal, commercial and recreational uses of natural waters (i.e., swimming, canoeing, fishing, etc.).</li> </ul>	Baseline Conditions for the following VCs: 15.3 Navigation and Marine Use 16.3 Infrastructure and Services 17.3 Visual Quality 18.3 Community Health and Well-being 21.3 Current Use of Lands for Traditional Purposes Conditions
	<ul style="list-style-type: none"> <li>▪ Provide information on current and historic usage of all waterways and water bodies that will be affected by the Project, including vessel types, sizes and frequencies of use.</li> </ul>	15 Navigation and Marine Resource Use 15.3 Baseline Conditions

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>9.2 Potential or Established Aboriginal Rights and Related Interests</b>		
	<p>At a minimum, the EIS will summarize available information on the potential or established Aboriginal rights and related interests of the above-named Aboriginal groups [Metlakatla First Nation, Lax Kw'alaams First Nation, Gitxaala Nation, Kitselas First Nation, Kitsumkalum First Nation] that have the potential to be adversely impacted by the Project. As part of this summary, the EIS will include for each Aboriginal group:</p>	<p>27 Aboriginal Rights and Related Interests</p>
	<ul style="list-style-type: none"> <li>▪ background information and a map of the group's asserted traditional territory</li> </ul>	<p>27.1.2 Background Information on Potentially Affected Aboriginal Groups                  27.1.4 Information on Each Aboriginal Group's Potential or Established Rights                  Figure 27-2                  Figure 27-3                  Figure 27-4                  Figure 27-5                  Figure 27-6</p>
	<ul style="list-style-type: none"> <li>▪ A summary of engagement activities conducted prior to the submission of the EIS, including the date and means of engagement (e.g. meeting, mail, telephone)</li> </ul>	<p>3.2 First Nations Information Distribution and Consultation                  27.1.3 Summary of Engagement Activities                  27.1.5 Overview of Key Comments and Concerns                  Appendix B</p>
	<ul style="list-style-type: none"> <li>▪ Information on each group's potential or established rights (including geographical extent, nature, frequency, timing), including maps and data sets (e.g. Fish catch numbers) when this information is provided by a group to the Proponent</li> </ul>	<p>27.1.2 Background Information on Potentially Affected Aboriginal Groups                  Section 27.1.4 Information on Each Aboriginal Group's Potential or Established Rights</p>
	<ul style="list-style-type: none"> <li>▪ An overview of key comments and concerns provided by each group to the Proponent;</li> </ul>	<p>3 Summary of Engagement                  Table 3-5 First Nation Issues                  27.1 Aboriginal Rights                  27.1.5 Overview of Key Comments and Concerns                  Table 27-17                  Appendix B</p>



Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ Responses provided by government and the proponent, as appropriate</li> </ul>	3 Summary of Engagement Table 3-5 First Nation Issues 27.1 Aboriginal Rights 27.1.5 Overview of Key Comments and Concerns Table 27-17 Appendix B
	<ul style="list-style-type: none"> <li>▪ Future planned engagement activities</li> </ul>	3 Summary of Engagement 3.3.3 Consultation Planned During EIS/Application Review Table 3-8 Post-Application Consultation Activities 27.1 Aboriginal Rights 27.1.6 Future Planned Engagement
	<ul style="list-style-type: none"> <li>▪ Efforts undertaken to engage with Aboriginal groups as part of developing the information identified above</li> </ul>	3 Summary of Engagement 3.2 First Nations Information Distribution and Consultation Appendix B 27.1 Aboriginal Rights 27.1.3 Summary of Engagement Activities Table 27-11 Table 27-12 Table 27-13 Table 27-14 Table 27-15 Table 27-16

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The Proponent will describe all efforts, successful or otherwise, taken to solicit the information required to prepare the EIS</p>	<p>3 Summary of Engagement                      3.2 First Nations Information Distribution and Consultation                      Table 3-7                      Appendix B                      27.1 Aboriginal Rights                      27.1.3 Summary of Engagement Activities                      Table 27-11                      Table 27-12                      Table 27-13                      Table 27-14                      Table 27-15                      Table 27-16</p>
<p><b>10 EFFECTS ASSESSMENT</b></p>		
<p><b>10.1 Environmental Effects</b></p>		
<p>10.1.1 Methodology</p>	<p>The Proponent will indicate the Project’s effects during construction, operation, maintenance, foreseeable modifications, and where relevant, closure, decommissioning and restoration of sites and facilities associated with the Project, and describe these effects using appropriate criteria.</p> <p>To the maximum extent possible, this documentation will include, for each potential project-related environmental effect, an indication of the nature of the effect, mechanism, magnitude, duration, frequency, geographic extent, and the degree to which it may be reversible. The Proponent will consider both the direct and indirect, reversible and irreversible, short- and long-term environmental effects of the Project. In predicting and assessing the Project’s effects, the Proponent will indicate important details and clearly state the elements and functions of the environment that may be affected, specifying the location, extent and duration of these effects and their overall impact.</p> <p>In undertaking the environmental effects assessment, the Proponent will use best available information and methods.</p>	<p>4 Scope of Assessment and Methods                      4.1.4 Assessment of Project Specific Effects                      4.1.4.4 Characterization of Residual Effects                      Table 4-4</p>

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
	All conclusions will be substantiated.	4 Scope of Assessment and Methods 4.1.4 Assessment of Project Specific Effects 4.1.4.6 Determination of Significance of Residual Effects 4.1.5 Summary of Residual Effects
	Predictions will be based on clearly stated assumptions. The Proponent will describe how it has tested each assumption. With respect to quantitative models and predictions, the Proponent will discuss the assumptions that underlie the model, the quality of the data and the degree of certainty of the predictions obtained.	4 Scope of Assessment and Methods 4.1.4.7 Confidence and Risk Effects Assessment/Assumptions and the Conservative Approach for each VC: 6.5.1.2 Air Quality 7.5.1.2 Greenhouse Gas Management 8.5.1.2 Acoustic Environment 9.5.1.2 Ambient Light 10.5.1.2 Vegetation and Wetland Resources 11.5.1.2 Terrestrial Wildlife and Marine Birds 12.5.1.2 Freshwater Aquatic Resources 13.5.1.2 Marine Resources 14.5.1.2 Economic Environment 15.5.1.2 Navigation and Marine Resource Use 16.5.1.2 Infrastructure and Services 17.5.1.2 Visual Quality 18.5.1.2 Community Health and Well-Being 19.5.1.2 Human and Ecological Health 20.5.1.2 Archaeological and Heritage Resources 21.5.1.2 Current Use of Lands and Resources for Traditional Purposes

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p><i>Risk Assessment Framework</i></p> <p>The Proponent is expected to employ, where appropriate, standard ecological risk assessment frameworks that categorize the levels of detail and quality of the data required for the assessment. These tiers are as follows:</p> <p>Tier 1: Qualitative (expert opinion, including traditional and local knowledge, literature review, and existing site information);</p> <p>Tier 2: Semi-quantitative (measured site-specific data and existing site information); and,</p> <p>Tier 3: Quantitative (recent field surveys and detailed quantitative methods).</p> <p>Thus, if the Tier 2 assessment still indicates a potential for effects to VCs, a Tier 3 assessment may need to be conducted to reduce the level of uncertainty. If the risk characterization component is uncertain this may necessitate the probabilistic modelling of the population-level consequences of the proposed project.</p> <p>Biophysical changes to the environment that may impact human health include changes to: air quality, water quality, noise levels, contaminants in country food sources, radiation levels.</p>	<p>19 Human and Ecological Health</p> <p>19.5.2 Analytical Assessment Techniques</p> <p>19.5.10 Confidence and Risk</p> <p>19.3.2.12 Electromagnetic Fields</p>
	<p>Impact Matrix</p> <p>An impact matrix methodology in combination with identification of VCs should be used to evaluate environmental effects of the proposed project, including those related to Aboriginal peoples.</p>	<p>Table 4-5</p>
	<p>The assessment will include the following general steps:</p> <ul style="list-style-type: none"> <li>▪ identification of the activities and components of the Project</li> <li>▪ predicting/evaluating the likely effects on identified valued components</li> <li>▪ identification of technically and economically feasible mitigation measures for any adverse environmental effects</li> <li>▪ conclusions regarding any residual environmental effects</li> <li>▪ ranking of each residual environmental effects</li> <li>▪ conclusions of the potential significance of any residual environmental effect following the implementation of mitigation</li> </ul>	<p>4.1 Environmental Assessment Methods</p> <p>4.1.4 Assessment of Project-Specific Effects</p> <p>4.1.4.1 Identification of Project Interactions</p> <p>4.1.4.2 Potential Effects</p> <p>4.1.4.3 Mitigation</p> <p>4.1.4.4 Characterization of Residual Effects</p> <p>4.1.4.5 Likelihood</p> <p>4.1.4.6 Determination of Significance of Residual Effects</p> <p>4.1.5 Summary of Residual Effects</p> <p>Table 4-5</p>

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p><i>Application of Precautionary Approach</i></p> <p>In documenting the analyses included in the EIS, the Proponent will:</p> <ul style="list-style-type: none"> <li>▪ demonstrate that all aspects of the Project have been examined and planned in a careful and precautionary manner in order to ensure that they would not cause serious or irreversible damage to the environment, especially with respect to environmental functions and integrity, system tolerance and resilience, and the human health of current or future generations,</li> <li>▪ outline and justify the assumptions made about the effects of all aspects of the Project and the approaches to minimize these effects,</li> </ul>	<p>4 Scope of Assessment and Methods</p> <p>4.1.4.7 Confidence and Risk</p> <p>Effects Assessment/Assumptions and the Conservative Approach for each VC:</p> <p>6.5.1.2 Air Quality</p> <p>7.5.1.2 Greenhouse Gas Management</p> <p>8.5.1.2 Acoustic Environment</p> <p>9.5.1.2 Ambient Light</p> <p>10.5.1.2 Vegetation and Wetland Resources</p> <p>11.5.1.2 Terrestrial Wildlife and Marine Birds</p> <p>12.5.1.2 Freshwater Aquatic Resources</p> <p>13.5.1.2 Marine Resources</p> <p>14.5.1.2 Economic Environment</p> <p>15.5.1.2 Navigation and Marine Resource Use</p> <p>16.5.1.2 Infrastructure and Services</p> <p>17.5.1.2 Visual Quality</p> <p>18.5.1.2 Community Health and Well-Being</p> <p>19.5.1.2 Human and Ecological Health</p> <p>20.5.1.2 Archaeological and Heritage Resources</p> <p>21.5.1.2 Current Use of Lands and Resources for Traditional Purposes</p>
	<ul style="list-style-type: none"> <li>▪ ensure that in designing and operating the Project, priority has been and would be given to strategies that avoid the creation of adverse effects,</li> </ul>	<p>2.1 Environmental Design</p>
	<ul style="list-style-type: none"> <li>▪ develop contingency plans that explicitly address accidents and malfunctions, and</li> </ul>	<p>22 Accidents and Malfunctions</p> <p>22.1.2 Accidents and Malfunctions Assessment Method</p> <p>22.6.2 Accident and Malfunctions Project Design Measures to Reduce Risk</p>
	<ul style="list-style-type: none"> <li>▪ identify any proposed follow-up and monitoring activities, particularly in areas where scientific uncertainty exists in the prediction of effects.</li> </ul>	<p>4.8 Follow-up Program</p> <p>30 Follow-Up Program and Compliance Reporting</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
10.1.2 Changes to the Environment	<p>The EIS will describe any change that may be caused by the Project (as scoped in section 6 of this document) on the environment, which is defined as the components of the Earth, including: land, water, and air, including all layers of the atmosphere, all organic and inorganic matter, and living organisms, and, the interacting natural systems that include the components described above</p>	<p>Effects Assessments for each of the following VCs:                      6.5 Air Quality                      7.5 Greenhouse Gas Management                      9.5 Ambient Light                      10.5 Vegetation and Wetland Resources                      11.5 Terrestrial Wildlife and Marine Birds                      12.5 Freshwater Aquatic Resources                      13.5 Marine Resources</p>
	<p>The EIS will include a stand-alone section that summarises those changes that may be caused by the Project on the components of the environment listed in paragraph 5(1)(a) of CEAA 2012, namely fish and fish habitat, aquatic species, and migratory birds.</p>	<p>Section 25 Changes to the Environment                      25.1.1 Changes to the Environment Fish and Fish Habitat and Aquatic Species                      25.1.1 Changes to the Environment Fish and Fish Habitat and Aquatic Species                      25.1.2 Changes to the Environment Migratory Birds</p>
	<p><i>Changes to the environment that would occur on federal or transboundary lands</i></p> <p>The EIS will include a stand-alone section that summarises changes the Project may cause to the environment on federal lands or lands outside the province in which the Project is to be located (including outside of Canada).</p>	<p>25.2 Changes to the Environment that would Occur on Federal or Transboundary Lands</p>
	<p><i>Changes to the environment that are directly linked or necessarily incidental to federal decisions</i></p> <p>As the Project requires one or more federal decisions identified in section 5.2, the EIS will also include a stand-alone section that summarizes changes that may be caused by the Project on the environment that are directly linked or necessarily incidental to these decisions.</p>	<p>25.3 Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
10.1.3 Effects of changes to the Environment	<p><i>Effects of changes to the environment on Aboriginal peoples</i></p> <p>From the perspective of the Proponent, the EIS will describe the effects of any changes the Project may cause to the environment, with respect to Aboriginal peoples, on health and socio-economic conditions, physical and cultural heritage, the current use of lands and resources for traditional purposes, or any structure, site or thing that is of historical, archaeological, paleontological or architectural significance.</p>	<p>26.1 Effects of Changes to the Environment on Aboriginal People</p> <p>26.1.2 Effects of Changes Health</p> <p>26.1.3 Effects of Changes on Socio-Economic Conditions</p> <p>26.1.4 Archaeology and Heritage Resources</p> <p>26.1.5 Current Use of Lands and Resources for Traditional Purposes by Aboriginal People</p> <p>26.1 Effects of Changes to the Environment on Aboriginal People</p>
	<p><i>Effects of changes to the environment that are directly linked or necessarily incidental to federal decisions</i></p> <p>In relation to the changes to the environment that are directly linked or necessarily incidental to federal decisions identified in section 5.2, the EIS will also include a stand-alone section that describes the effects of these changes on health and socio-economic conditions, physical and cultural heritage, or any structure, site or thing that is of historical, archaeological, paleontological or architectural significance, other than as they pertain to Aboriginal peoples (who are considered in the previous section).</p>	<p>26.2 Effects of Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions</p> <p>Table 26-1</p>
<b>10.2 Adverse Impacts on Aboriginal Rights and Related Interests</b>		
	<p>The EIS will describe, from the perspective of the Proponent, the potential adverse impacts of the Project on the ability of Aboriginal peoples to exercise the potential or established Aboriginal rights and related interests identified in section 9.2. As part of this description, this section will summarize:</p>	27 Aboriginal Rights and Related Interests
	<ul style="list-style-type: none"> <li>▪ Potential adverse impacts (on potential or established Aboriginal rights and related interests) that were identified through the environmental effects described in sections 10.1.2 and 10.1.3</li> </ul>	<p>27 Aboriginal Rights and Related Interests</p> <p>27.1.8 Potential Adverse Impacts on Aboriginal and Treaty Rights and Related Interests</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ Specific issues and concerns raised by Aboriginal groups in relation to the potential adverse impacts of the Project on potential or established Aboriginal rights and related interests;</li> </ul>	27.1.5 Overview of Key Comments and Concerns Table 27-17 Table 27-18 Table 27-19 Table 27-20 Table 27-21 Table 27-22
	<ul style="list-style-type: none"> <li>▪ VCs suggested for inclusion in the EIS by Aboriginal groups, whether or not those factors were included, and the rationale for any exclusions;</li> </ul>	27.1 Aboriginal Rights 27.1.7.3 Aboriginal Groups' Suggested Valued Components
	<ul style="list-style-type: none"> <li>▪ Where and how Aboriginal traditional knowledge or other Aboriginal views were incorporated into the consideration of environmental effects and potential adverse impacts on potential or established Aboriginal rights and related interests; and</li> </ul>	27.1 Aboriginal Rights 27.1.7.2 Incorporation of Traditional Knowledge/Traditional Use Information
	<ul style="list-style-type: none"> <li>▪ Efforts undertaken to engage with Aboriginal groups as part of collecting the information identified above</li> </ul>	27.1.3 Summary of Engagement Activities Table 27-11 Table 27-12 Table 27-13 Table 27-14 Table 27-15 Table 27-16
	<p>The assessment of the potential adverse impacts of each of the Project components and physical activities, in all phases, will be based on a comparison of the exercise of the identified rights between the predicted future conditions with the Project and the predicted future conditions without the Project. It is recommended that the impact matrix methodology described in section 10.1.1 be adapted for this purpose.</p>	27.1 Aboriginal Rights 27.1.7 Scope of Assessment Table 27-23 27.1.8 Potential Adverse Impacts on Aboriginal and Treaty Rights and Related Interests 27.1.9 Measures to Address Impacts on Aboriginal Rights 27.1.10 Residual Effects – Outstanding Aboriginal Issues 27.1.11 Conclusions Regarding Residual Effects on Aboriginal Rights



EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>10.3 Public Concerns</b>		
	<p>This section will detail public concerns raised in relation to the Project, including through public consultation conducted prior to the preparation of the EIS, and community knowledge that may have been provided.</p>	<p>3.1 Summary of Engagement Provincial and Federal Involvement and Issues Tracking Table 3-3 3.1.1 Summary of Engagement Issues Identified Prior to Environmental Assessment Application Table 3-4 3.3 Summary of Engagement Public Consultation and Information Distribution Table 3-6 Table 3-7 28 Summary of the Assessment 28.3 Summary of Comments from the Public Table 28 4</p>
<b>11 MITIGATION</b>		
<b>11.1 Environmental Mitigation</b>		
11.1.1 Methodology	<p>Every EA conducted under CEAA 2012 will consider clear, enforceable measures that are technically and economically feasible and that would mitigate any significant adverse environmental effects of the Project.</p> <p>The EIS will describe the standard mitigation practices, policies and commitments that constitute technically and economically feasible mitigation measures and that will be applied as part of standard practice regardless of location.</p> <p>The Proponent will then describe its environmental protection plan and its environmental management system, through which it will deliver this plan. The plan will provide an overall perspective on how potentially adverse effects would be minimized and managed over time.</p>	<p>4.1 Scope of Assessment and Methods 4.1.4 Assessment of Project-Specific Effects 4.1.4.3 Mitigation 4.5 Environmental Management Plans 24 Environmental Management Plans</p>
	<p>The EIS will then describe mitigation measures that are specific to each environmental effect identified in section 10.1. Measures will be written as specific commitments that clearly describe how the Proponent intends to implement them. Where mitigation measures have been identified in relation to species or critical habitat listed under the Species at Risk Act, the mitigation measures will be consistent with any applicable recovery strategy and action plans.</p>	<p>4.1 Scope of Assessment and Methods 4.1.4 Assessment of Project-Specific Effects 4.1.4.3 Mitigation Effects Assessment/Mitigation Measures for each VC: 6.5 Air Quality 7.5 Greenhouse Gas Management</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
		8.5 Acoustic Environment 9.5 Ambient Light 10.5 Vegetation and Wetland Resources 11.5 Terrestrial Wildlife and Marine Birds 12.5 Freshwater Aquatic Resources 13.5 Marine Resources
	The EIS will describe Proponent commitments, policies and arrangements directed at promoting beneficial or mitigating adverse socio-economic effects.	4.1 Environmental Assessment and Methods 4.1.4 Assessment of Project-Specific Effects 4.1.4.3 Mitigation  Effects Assessment/Mitigation Measures for each socio-economic VC: 14.5 Economic Environment 15.5 Navigation and Marine Resource Use 16.5 Infrastructure and Services 17.5 Visual Quality 18.5 Community Health and Well-Being 19.5 Human and Ecological Health
	The EIS will further discuss the mechanisms the Proponent would use to require its contractors and sub-contractors to comply with these commitments and policies and with auditing and enforcement programs.	24 Environmental Management Plans
	The EIS will specify the actions, works, minimal disturbance footprint techniques, best available technology, corrective measures or additions planned during the Project's various phases (construction, operation, modification, decommissioning, abandonment or other undertaking related to the Project) to eliminate or reduce the significance of adverse effects.	2.1 Environmental Design  Effects Assessment/Mitigation Measures for each VC: 6.5 Air Quality 7.5 Greenhouse Gas Management 8.5 Acoustic Environment 9.5 Ambient Light 10.5 Vegetation and Wetland Resources 11.5 Terrestrial Wildlife and Marine Birds 12.5 Freshwater Aquatic Resources 13.5 Marine Resources 14.5 Economic Environment 15.5 Navigation and Marine Resource Use 16.5 Infrastructure and Services

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
		17.5 Visual Quality 18.5 Community Health and Well-Being 19.5 Human and Ecological Health 20.5 Archaeological and Heritage Resources 21.5 Current Use of Lands and Resources for Traditional Purposes
	<p>The impact statement will also present an assessment of the effectiveness of the proposed technically and economically feasible mitigation measures. The reasons for determining if the mitigation measure reduces the significance of an adverse effect will be made explicit.</p> <p>The EIS will indicate what other technically and economically feasible mitigation measures were considered, including the various components of mitigation, and explain why they were rejected. Trade-offs between cost savings and effectiveness of the various forms of mitigation will be justified.</p>	4.1 Environmental Assessment Methods 4.1.4 Assessment of Project-specific Effects 4.1.4.3 Mitigation 4.1.4.7 Confidence and Risk
	<p>The EIS will identify who is responsible for the implementation of these measures and the system of accountability.</p>	4.5 Environmental Management Plans 24 Environmental Management Plans 30 Follow-up Program and Compliance Reporting
	<p>Where mitigation measures are proposed to be implemented for which there is little experience or for which there is some question as to their effectiveness, the potential risks and effects to the environment should those measures not be effective will be clearly and concisely described.</p>	4.1 Environmental Assessment Methods 4.1.4 Assessment of Project-specific Effects 4.1.4.3 Mitigation 4.1.4.7 Confidence and Risk 30 Follow-up Program and Compliance Reporting
	<p>In addition, the EIS will identify the extent to which technology innovations will help mitigate environmental effects. Where possible, it will provide detailed information on the nature of these measures, their implementation, management and the development of the Follow-up Program as described in section 11.4</p>	4 Scope of the Assessment 4.1.4.3 Mitigation 4.8 Follow-up Program 4.1.4.3 Mitigation 30 Follow-Up Program and Compliance Reporting

EIS Guideline Section	Details of Requirements	EIS/Application Section
<p>11.1.2 Summary of Environmental Mitigation</p>	<p>In addition, the EIS will summarize the mitigation measures, follow-up and related commitments identified to address the categories of environmental effects specified in section 10:</p> <ul style="list-style-type: none"> <li>▪ changes to components of the environment within federal jurisdiction</li> <li>▪ changes to the environment that would occur on federal or transboundary lands</li> <li>▪ changes to the environment that are directly linked or necessarily incidental to federal decisions</li> </ul>	<p>25 Changes to the Environment                      25.1 Changes to Components of the Environment within Federal Jurisdiction                      25.2 Changes to the Environment that would occur on Federal or Transboundary Lands                      25.3 Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions                      28 Summary of the Assessment                      28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance                      Table 28-2                      28.5 Summary of Commitments                      Table 28-7</p>
	<ul style="list-style-type: none"> <li>▪ effects of changes to the environment on Aboriginal peoples</li> <li>▪ effects of changes to the environment that are directly linked or necessarily incidental to federal decisions</li> </ul>	<p>26 Effects of Changes to the Environment                      26.1 Effects of Changes to the Environment on Aboriginal peoples                      26.2 Effects of Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions                      28 Summary of the Assessment                      28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance                      Table 28-2                      28.4 Summary of the Assessment Aboriginal Rights and Related Interests                      Table 28-5                      28.5 Summary of Commitments                      Table 28-7</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>11.2 Measures to Address Impacts on Aboriginal Rights</b>		
	<p>This section will describe, from the perspective of the Proponent, the measures identified to mitigate the potential adverse impacts of the Project described in section 10.2 on the potential or established Aboriginal rights and related interests identified in section 9.2. These measures will be written as specific commitments that clearly describe how the Proponent intends to implement them. This description will include a summary of:</p>	27 Aboriginal Rights and Related Interests
	<ul style="list-style-type: none"> <li>▪ specific suggestions raised by Aboriginal groups for avoiding, reducing, mitigating or otherwise accommodating the potential adverse impacts of the Project on potential or established Aboriginal rights and related interests in relation to environmental effects specified in sections 10.1.2 and 10.1.3</li> </ul>	27.1 Aboriginal Rights 27.1.9.1 Summary of Specific Suggestions Raised by Aboriginal Groups to Avoid, Reduce, Mitigate or Accommodate
	<ul style="list-style-type: none"> <li>▪ environmental mitigation and avoidance measures identified in section 11.1 that also serve to address potential adverse impacts on potential or established Aboriginal rights and related interests</li> </ul>	27.1 Aboriginal Rights 27.1.9.2 Environmental Mitigation and Avoidance Measures  21 Current Use of Lands and Resources for Traditional Purposes 21.5.2.2 Mitigation Measures  28 Summary of Assessment 28.4 Aboriginal Rights and Related Interests Table 28-6
	<ul style="list-style-type: none"> <li>▪ any potential cultural, social or economic impacts or benefits to Aboriginal groups that may arise as a result of the Project</li> </ul>	27.1 Aboriginal Rights 27.1.9.3 Potential Cultural, Social or Economic Impacts or Benefits
	<ul style="list-style-type: none"> <li>▪ where and how Aboriginal traditional knowledge or other Aboriginal views were incorporated into the mitigation or avoidance of environmental effects of potential adverse impacts on potential or established Aboriginal rights and related interests</li> </ul>	27.1 Aboriginal Rights 27.1.7.2 Incorporation of Traditional Knowledge/Traditional Use Information
	<ul style="list-style-type: none"> <li>▪ efforts undertaken to engage with Aboriginal groups as part of developing the information identified above</li> </ul>	3.2 Summary of Engagement First Nations Information Distribution and Consultation Table 3-5 Appendix A 27.1.3 Aboriginal Rights and Related Interests Summary of Engagement Activities

EIS Guideline Section	Details of Requirements	EIS/Application Section
		Table 27-17 Table 27-18 Table 27-19 Table 27-20 Table 27-21 Table 27-22
<b>11.3 Measures to Address Public Concerns</b>		
	<p>This section will describe measures identified for addressing public concerns in relation to the Project identified in section 10.3. Measures will be written as specific commitments that clearly describe how the Proponent intends to implement them.</p> <p>For any consultations undertaken with the general public, the EIS will describe the ongoing and proposed consultations and information sessions with respect to the Project at the local, regional and provincial levels, where applicable.</p> <p>The EIS will provide a summary of discussions, indicate the methods used and their relevance, locations, the persons and organizations consulted, the concerns raised, the extent to which this information was incorporated in the design of the Project as well as in the EIS, and the resultant changes.</p> <p>The Proponent will also provide a description of efforts made to distribute project information and provide a description of information and materials that were distributed during the consultation process.</p>	3 Summary of Engagement Appendix B 28.3 Summary of Comments from the Public Table 28-4

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>11.4 Follow-Up Program</b>		
<p>11.4 Follow-Up Program</p>	<p>The EIS will describe the proposed Follow-up Program in sufficient detail to allow independent judgment as to the likelihood that it will deliver the type, quantity and quality of information required to reliably verify predicted effects (or absence of them), and to confirm both the assumptions and the effectiveness of mitigation. The Follow-up Program will include specific commitments that clearly describe how the Proponent intends to implement them.</p> <p>The Proponent will describe the reporting methods to be used, including frequency, methods and format.</p> <p>The Follow-up Program will be designed to incorporate baseline data, compliance data (such as established benchmarks, regulatory documents, standards or guidelines) and real time data (such as observed data gathered in the field). The Proponent will describe the reporting methods to be used, including frequency, methods and format.</p> <p>The effects predictions, assumptions and mitigation actions that are to be tested in the follow-up program must be converted into field-testable monitoring objectives. The monitoring design must include a statistical evaluation of the adequacy of existing baseline data to provide a benchmark against which to test for project effects, and the need for any additional pre-construction or pre-operational monitoring to establish a firmer project baseline.</p> <p>The Follow-up Program will include a schedule indicating the frequency and duration of effects monitoring. This schedule is to be developed after an evaluation of the length of time needed to detect effects given estimated baseline variability, likely magnitude of environmental effect and desired level of statistical confidence in the results (Type 1 and Type 2 errors).</p> <p>The description of the Follow-up Program will include any contingency procedures/plans or other adaptive management provisions as a means of addressing unforeseen effects or for correcting exceedances as required to comply or to conform to benchmarks, regulatory standards or guidelines.</p>	<p>30 Follow-up Program and Compliance Reporting</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The Follow up Program will also be designed to monitor the implementation of mitigation measures resulting from Aboriginal consultation, including:</p> <ul style="list-style-type: none"> <li>▪ verifying predictions of environmental effects with respect to Aboriginal peoples, as well as residual impacts that could not be addressed within the context of the EA</li> <li>▪ determining the effectiveness of mitigation measures as they relate to environmental effects with respect to Aboriginal peoples in order to modify or implement new measures where required</li> <li>▪ supporting the implementation of adaptive management measures to address previously unanticipated adverse environmental effects with respect to Aboriginal peoples or unanticipated adverse impacts to Aboriginal rights</li> <li>▪ verifying measures identified to prevent and mitigate potential adverse effects of the Project on potential or established Aboriginal rights</li> <li>▪ providing information that can be used to improve and support future EAs and Aboriginal consultation processes</li> </ul>	30 Follow-up Program and Compliance Reporting
	Where appropriate, the Follow-up Program can also encompass measures identified to address public concerns identified in section 11.3.	30 Follow-up Program and Compliance Reporting
<b>11.5 Proponent Commitments</b>		
11.5 Proponent Commitments	Proponent commitments identified in the EIS, including environmental mitigation measures to address public and Aboriginal peoples concern, and Follow-up Program elements, may be considered for inclusion as conditions in the EA decision statement or as part of other compliance and enforcement mechanisms. Each commitment will be specific, achievable, measurable and verifiable, and described in a manner that avoids ambiguity in intent, interpretation and implementation.	Section 28 Summary of the Assessment 28.5 Summary of Commitments Table 28-7



EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>12 RESIDUAL EFFECTS</b>		
<b>12.1 Residual and Cumulative Environmental Effects</b>		
12.1.1 Residual Environmental Effects	After having established the technically and economically feasible mitigation measures, the EIS will present any residual environmental effects of the Project on the biophysical and human environments after these mitigation measures have been taken into account. The residual effects, even if very small or deemed insignificant will be described.	Effects Assessment/Characterization of Residual Effects for each VC: 6.5 Air Quality 7.5 Greenhouse Gas Management 8.5 Acoustic Environment 9.5 Ambient Light 10.5 Vegetation and Wetland Resources 11.5 Terrestrial Wildlife and Marine Birds 12.5 Freshwater Aquatic Resources 13.5 Marine Resources 14.5 Economic Environment 15.5 Navigation and Marine Resource Use 16.5 Infrastructure and Services 17.5 Visual Quality 18.5 Community Health and Well-Being 19.5 Human and Ecological Health 20.5 Archaeological and Heritage Resources 21.5 Current Use of Lands and Resources for Traditional Purposes

EIS Guideline Section	Details of Requirements	EIS/Application Section
<p>12.1.2 Cumulative Environmental Effects</p>	<p>The Proponent will identify and assess the Project’s cumulative effects using the approach described in the Agency’s Operational Policy Statement Addressing Cumulative Environmental Effects under the Canadian Environmental Assessment Act.</p> <p>The EIS will describe the analysis of the total cumulative effect on a VC over the life of the Project, including the incremental contribution of all current and proposed physical activities, in addition to that of the Project.</p> <p>The EIS will include different forms of effects (e.g. synergistic, additive, induced, spatial or temporal) and identify impact pathways and trends.</p> <p>The EIS will include a narrative discussion of existing projects in the vicinity of the proposed project. The narrative will include the description of any existing studies of changes to the environment resulting from those projects that are similar to potential changes resulting from the Project, including any mitigation measures that were implemented, and any long term monitoring or follow up program that were conducted. The effectiveness of those mitigation measures and key results of monitoring or follow-up programs will be described. This narrative discussion should include historical data, where available and applicable, to assist interested parties to understand the potential effects of the Project and how they may be addressed.</p>	<p>Cumulative Effects for each VC:</p> <p>6.6 Air Quality              8.6 Acoustic Environment              9.6 Ambient Light              10.6 Vegetation and Wetland Resources              11.6 Terrestrial Wildlife and Marine Birds              12.6 Freshwater Aquatic Resources              13.6 Marine Resources              14.6 Economic Environment              15.6 Navigation and Marine Resource Use              16.6 Infrastructure and Services              17.6 Visual Quality              18.6 Community Health and Well-Being              19.6 Human and Ecological Health              20.6 Archaeological and Heritage Resources              21.6 Current Use of Lands and Resources for Traditional Purposes</p> <p>28 Summary of the Assessment              28.2 Summary of Cumulative Effects</p>
<p>12.1.3 Summary of Residual Environmental Effects</p>	<p>In addition, the EIS will summarize the residual environmental effects (including cumulative environmental effects) identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3:</p> <ul style="list-style-type: none"> <li>▪ changes to components of the environment within federal jurisdiction</li> <li>▪ changes to the environment that would occur on federal or transboundary lands</li> <li>▪ changes to the environment that are directly linked or necessarily incidental to federal decisions</li> </ul>	<p>25 Changes to the Environment</p> <p>25.1 Changes to Components of the Environment within Federal Jurisdiction</p> <p>25.2 Changes to the Environment that would occur on Federal or Transboundary Lands</p> <p>25.3 Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions</p> <p>28 Summary of the Assessment</p> <p>28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance</p> <p>Table 28-1</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ effects of changes to the environment on Aboriginal peoples</li> <li>▪ effects of changes to the environment that are directly linked or necessarily incidental to federal decisions</li> </ul>	26 Effects of Changes to the Environment 26.1 Effects of Changes to the Environment on Aboriginal peoples 26.2 Effects of Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions 27 Aboriginal Rights and Related Interests 27.1.10 Aboriginal Rights and Related Interests Residual Effects – Outstanding Aboriginal Issues 28 Summary of the Assessment 28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance Table 28-1
<b>12.2 Outstanding Aboriginal Issues</b>		
12.2 Outstanding Aboriginal Issues	This section will describe, from the perspective of the Proponent, the potential adverse impacts on potential or established Aboriginal rights and related interests that have not been fully mitigated as part of the environmental assessment and associated consultations with Aboriginal groups. This includes potential adverse impacts (on potential or established Aboriginal rights and related interests) that may result from the residual and cumulative environmental effects described in section 10.2.	27 Aboriginal Rights and Related Interests 27.1.10 Aboriginal Rights and Related Interests Residual Effects – Outstanding Aboriginal Issues
<b>12.3 Outstanding Public Concerns</b>		
12.3 Outstanding Public Concerns	This section will describe the outstanding public concerns in relation to the Project that have not been resolved as a result of changes to the Project, mitigation measures, or public consultation.	3 Summary of Engagement Appendix B 28.3 Summary of Comments from the Public Table 28-4

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>13 SIGNIFICANCE DETERMINATION</b>		
<b>13.1 Significance of Adverse Environmental Effects</b>		
13.1.1 Methodology	<p>This section will provide a detailed analysis of the significance of the residual environmental effects (including cumulative environmental effects) that are considered adverse, using the approach described in the Agency's Reference Guide Determining Whether a Project is Likely to Cause Significant Adverse Environmental Effects.</p>	<p>Effects Assessment/Determination of Significance for each VC:</p> <ul style="list-style-type: none"> <li>6.5 Air Quality</li> <li>7.5 Greenhouse Gas Management</li> <li>8.5 Acoustic Environment</li> <li>9.5 Ambient Light</li> <li>10.5 Vegetation and Wetland Resources</li> <li>11.5 Terrestrial Wildlife and Marine Birds</li> <li>12.5 Freshwater Aquatic Resources</li> <li>13.5 Marine Resources</li> <li>14.5 Economic Environment</li> <li>15.5 Navigation and Marine Resource Use</li> <li>16.5 Infrastructure and Services</li> <li>17.5 Visual Quality</li> <li>18.5 Community Health and Well-Being</li> <li>19.5 Human and Ecological Health</li> <li>20.5 Archaeological and Heritage Resources</li> <li>21.5 Current Use of Lands and Resources for Traditional Purposes</li> <li>28 Summary of the Assessment</li> <li>28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance</li> <li>Table 28-1</li> <li>28.2 Summary of Cumulative Effects</li> <li>Table 28-3</li> </ul>
	<p>The EIS will identify the criteria used to assign significance ratings to any predicted adverse effects. It will contain clear and sufficient information to enable the Agency, technical and regulatory agencies, Aboriginal groups and the public to review the Proponent's analysis of the significance of effects. The Proponent will define the terms used to describe the level of significance.</p>	<p>Scope of Assessment/Significance Thresholds for Residual Effects for each VC:</p> <ul style="list-style-type: none"> <li>6.2.7 Air Quality</li> <li>8.2.7 Acoustic Environment</li> <li>9.2.7 Ambient Light</li> <li>10.2.7 Vegetation and Wetland Resources</li> </ul>

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
		11.2.7 Terrestrial Wildlife and Marine Birds 12.2.7 Freshwater Aquatic Resources 13.2.7 Marine Resources 14.2.7 Economic Environment 15.2.7 Navigation and Marine Resource Use 16.2.7 Infrastructure and Services 17.2.7 Visual Quality 18.2.7 Community Health and Well-Being 19.2.7 Human and Ecological Health 20.2.7 Archaeological and Heritage Resources 21.2.7 Current Use of Lands and Resources for Traditional Purposes
	<p>The following elements should be used in reaching conclusions on the significance of residual effects:</p> <ul style="list-style-type: none"> <li>▪ magnitude</li> <li>▪ geographic extent</li> <li>▪ duration and frequency</li> <li>▪ reversibility</li> <li>▪ ecological and social context</li> <li>▪ existence of environmental standards, guidelines or objectives for assessing the impact</li> </ul> <p>In assessing significance against these criteria the EIS will, where possible, employ relevant existing regulatory documents, environmental standards, guidelines, or objectives such as prescribed maximum levels of emissions or discharges of specific hazardous agents into the environment</p>	Effects Assessment/Characterization of Residual Effects for each VC: 6.5 Air Quality 8.5 Acoustic Environment 9.5 Ambient Light 10.5 Vegetation and Wetland Resources 11.5 Terrestrial Wildlife and Marine Birds 12.5 Freshwater Aquatic Resources 13.5 Marine Resources 14.5 Economic Environment 15.5 Navigation and Marine Resource Use 16.5 Infrastructure and Services 17.5 Visual Quality 18.5 Community Health and Well-Being 19.5 Human and Ecological Health 20.5 Archaeological and Heritage Resources 21.5 Current Use of Lands and Resources for Traditional Purposes

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>The EIS will contain a section which explains the assumptions, definitions and limits to the criteria mentioned above in order to maintain consistency between the effects on each VC.</p>	<p>Scope of Assessment/Residual Effects Description Criteria for each VC:                      6.2.6 Air Quality                      8.2.6 Acoustic Environment                      9.2.6 Ambient Light                      10.2.6 Vegetation and Wetland Resources                      11.2.6 Terrestrial Wildlife and Marine Birds                      12.2.6 Freshwater Aquatic Resources                      13.2.6 Marine Resources                      14.2.6 Economic Environment                      15.2.6 Navigation and Marine Resource Use                      16.2.6 Infrastructure and Services                      17.2.6 Visual Quality                      18.2.6 Community Health and Well-Being                      19.2.6 Human and Ecological Health                      20.2.6 Archaeological and Heritage Resources                      21.2.6 Current Use of Lands and Resources for Traditional Purposes</p>

Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<p>Where significant adverse effects are identified, the EIS will set out the probability (likelihood) that they will occur, and describe the degree of scientific uncertainty related to the data and methods used within the framework of its environmental analysis.</p>	<p>Effects Assessment/Likelihood [of Residual Effects] and Confidence and Risk for each VC:                      6.5 Air Quality                      8.5 Acoustic Environment                      9.5 Ambient Light                      10.5 Vegetation and Wetland Resources                      11.5 Terrestrial Wildlife and Marine Birds                      12.5 Freshwater Aquatic Resources                      13.5 Marine Resources                      14.5 Economic Environment                      15.5 Navigation and Marine Resource Use                      16.5 Infrastructure and Services                      17.5 Visual Quality                      18.5 Community Health and Well-Being                      19.5 Human and Ecological Health                      20.5 Archaeological and Heritage Resources                      21.5 Current Use of Lands and Resources for Traditional Purposes</p>
<p>13.1.2 Summary of Significant Adverse Environmental Effects</p>	<p>In addition, the EIS will summarize the significant adverse environmental effects identified in relation to the categories of environmental effects specified in sections 10.1.2 and 10.1.3:</p> <ul style="list-style-type: none"> <li>▪ changes to components of the environment within federal jurisdiction</li> <li>▪ changes to the environment that would occur on federal or transboundary lands</li> <li>▪ changes to the environment that are directly linked or necessarily incidental to federal decisions</li> </ul>	<p>25 Changes to the Environment                      25.1 Changes to Components of the Environment within Federal Jurisdiction                      25.2 Changes to the Environment that would occur on Federal or Transboundary Lands                      25.3 Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions                      28 Summary of the Assessment                      28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance                      Table 28-1</p>

EIS Guideline Section	Details of Requirements	EIS/Application Section
	<ul style="list-style-type: none"> <li>▪ effects of changes to the environment on Aboriginal peoples</li> <li>▪ effects of changes to the environment that are directly linked or necessarily incidental to federal decisions</li> </ul>	<p>26 Effects of Changes to the Environment</p> <p>26.1 Effects of Changes to the Environment on Aboriginal peoples</p> <p>26.2 Effects of Changes to the Environment that are Directly Linked or Necessarily Incidental to Federal Decisions</p> <p>27 Aboriginal Rights and Related Interests</p> <p>27.1.10 Aboriginal Rights and Related Interests Residual Effects – Outstanding Aboriginal Issues</p> <p>28 Summary of the Assessment</p> <p>28.1 Summary of Potential Effects, Adverse Residual Effects and their Significance</p> <p>Table 28-1</p>
<b>14 SUMMARY TABLES</b>		
14 Summary Tables	<p>The EIS will contain a series of tables summarizing the following key information:</p> <ul style="list-style-type: none"> <li>▪ potential environmental effects (section 10.1), adverse impacts on potential or established Aboriginal rights and related interests (section 10.2), and public concerns (section 10.3)</li> <li>▪ proposed mitigation measures and commitments (section 11.5) by Proponent to address potential impacts on environment, (section 11.1), Aboriginal rights (section 11.2) and public concerns (section 11.3), and Follow-up Program (section 11.4)</li> <li>▪ potential residual and cumulative environmental effects (section 12.1) and the significance of the residual environmental effects (section 13.1), outstanding Aboriginal issues (section 12.2), and outstanding public concerns (section 12.3).</li> <li>▪ comments from the public and responses and comments from Aboriginal groups and individuals and responses</li> <li>▪ relationship of the identified Valued Components (section 7.1.1) to Aboriginal groups’ potential or established Aboriginal rights and related interests (section 9.2)</li> </ul>	<p>Section 28 Summary of the Assessment</p> <p>Table 28-1</p> <p>Table 28-4</p> <p>Table 28-6</p> <hr/> <p>Section 28 Summary of the Assessment</p> <p>Table 28-2</p> <p>Table 28-4</p> <p>Table 28-6</p> <p>Table 28-7</p> <hr/> <p>Section 28 Summary of the Assessment</p> <p>Table 28-1</p> <p>Table 28-3</p> <p>Table 28-4</p> <p>Table 28-5</p> <p>Table 28-6</p> <p>Appendix A</p> <p>Appendix B</p>



Table of Concordance between the Application Information Requirements and the EIS/Application

EIS Guideline Section	Details of Requirements	EIS/Application Section
<b>15 BENEFITS TO CANADIANS</b>		
<b>15.1 Changes to the Project Since Initially Proposed</b>		
15.1 Changes to the Project Since Initially Proposed	The EIS will include a summary of the changes that have been made to the Project since originally proposed, including the benefits of these changes to the environment, Aboriginal peoples, and the public.	29.1 Benefits to Canadians Changes to the Project Since Initially Proposed Table 29-1
<b>15.2 Benefits of the Project</b>		
15.2 Benefits of the Project	The EIS will include a section describing the predicted environmental, economic and social benefits of the Project. This information will be considered in assessing the justifiability of the significant adverse environmental effects, if necessary.	29.2 Benefits to Canadians Benefits of the Project
<b>16 MONITORING PROGRAM AND ENVIRONMENTAL MANAGEMENT PLANS</b>		
16 Monitoring Program and Environmental Management Plans	<p>In the EIS, the Proponent will describe the monitoring activities at all stages of the Project, the Proponent’s proposed commitment to implementing these activities and the resources provided for this purpose. The program will need to provide the key information such as contacts, protocols, measured parameters, deadlines, intervention in case of non-compliance of legal requirements and production of monitoring reports.</p> <p>Environmental management plans (EMPs) are an example of a tool that can be used to ensure that proper measures and controls are in place in order to decrease the potential for environmental degradation during all phases of project development, and to provide clearly defined action plans and emergency response procedures to account for human and environmental health and safety. The EMPs will serve to provide guidance on specific actions and activities that will be implemented to decrease the potential for environmental degradation during construction and operation, and to clearly define the Proponent’s ongoing environmental commitment.</p>	24 Environmental Management Plans 30 Follow-up Program and Compliance Reporting