

## Table of Concordance

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |                            | Description of Requirements of Relevant Section and/or Subsection  | Application |  |  | Appendix |
|-------------|----------------------------|--|-------------|--|--|----------|
| No.         | Title                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
|             | Table of Concordance       | A table of concordance, in the format presented in the AIR, will identify with volume and section references where in the Application each of the approved AIR requirements for content and methods are addressed in the Application. This table of concordance will assist in a timely screening of the Application by the EAO. | Overview    | Table of Concordance   | i – lxxxvii  |          |
|             | Acronyms and Abbreviations | Acronyms and abbreviations used in the Application will be provided.   | Overview    | Acronyms and Abbreviations   | lxxxviii – xcvi  |          |
|             | Authorship                 | The Application will include a list of parties involved in the preparation of the Application, their qualifications, and the section(s) for which they are responsible.  | Overview    | Authorship   | xcix – C   |          |
|             | Application Summary        | The Application Summary will provide an overview of the Application and will include the following information:  | Overview    | Application Summary  | AS-1 – AS-106  |          |
|             |                            | <ul style="list-style-type: none"> <li>A summary of the proposed Aurora Liquefied Natural Gas (Aurora LNG) Project (the Project), including the project scope, project benefits, applicable permits and a statement if concurrent permitting will be requested</li> </ul>  | Overview    | AS2.2 – Project Description Application Summary<br>AS2.4 – Project Benefits<br>AS2.5 – Applicable Permits and Authorizations   | AS-3 – AS-6<br>AS-8 – AS-10<br>AS-10 – AS-11   |          |
|             |                            | <ul style="list-style-type: none"> <li>A brief overview of the assessment process including project reviewability, and the pre-application and application review stages of the environmental assessment</li> </ul>  | Overview    | AS2.2.1 – Regulatory (Provincial and Federal) Scope<br>AS3 – Environmental Assessment Process  | AS-3<br>AS-12 – AS-24  |          |
|             |                            | <ul style="list-style-type: none"> <li>A brief overview of the consultation and engagement approaches undertaken during the process including with the Working Group, Aboriginal Groups and the public</li> </ul>  | Overview    | AS3.3 – Key Information and Concerns<br>AS13 – Part C Aboriginal Consultation<br>AS15 – Part D Public Consultation   | AS-15 – AS-24<br>AS-87 – AS-88<br>AS-98  |          |
|             |                            | <ul style="list-style-type: none"> <li>A summary of the key issues raised by the Working Group, Aboriginal Groups and the public</li> </ul>  | Overview    | AS3.3 – Key Information and Concerns<br>AS14 – Part C Aboriginal Interests<br>AS14.1 – Key Findings for the Assessment of Aboriginal Interests<br>AS14.2 – Other Matters of Concern<br>AS15 – Part D Public Consultation   | AS-15 – AS-24<br>AS-89 – AS-97<br>AS-89 – AS-96<br>AS-97<br>AS-98  |          |
|             |                            | <ul style="list-style-type: none"> <li>A summary of the selected valued components (VCs) including the Proponent's conclusions on key potential effects, mitigation measures, residual project effects and residual cumulative effects, and the significance of residual Project and cumulative effects on VCs</li> </ul>        | Overview    | AS5.2 – Air Quality<br>AS5.3 – Greenhouse Gases<br>AS5.4 – Acoustic Environment<br>AS5.5 – Water Quality<br>AS5.6 – Vegetation and Wetland Resources<br>AS5.7 – Wildlife Resources (Terrestrial)<br>AS5.8 – Freshwater Fish and Fish Habitat<br>AS 5.9 – Marine Fish and Fish Habitat<br>AS5.10 – Marine Mammals<br>AS5.11 – Marine Birds<br>AS6 – Assessment of Potential Economic Effects<br>AS7.2 – Visual Quality<br>AS7.3 – Infrastructure and Services<br>AS7.4 – Land and Resource Use<br>AS7.5 – Marine Use and Navigation<br>AS7.6 – Community Health<br>AS8 – Assessment of Potential Heritage Effects<br>AS9 – Assessment of Potential Health Effects | AS-35 – AS-37<br>AS-37 – AS-38<br>AS-39 – AS-40<br>AS-40 – AS-43<br>AS-43 – AS-45<br>AS-45 – AS-48<br>AS-48 – AS-51<br>AS-51 – AS-53<br>AS-53 – AS-56<br>AS-56 – AS-58<br>AS-59 – AS-61<br>AS-62 – AS-64<br>AS-64 – AS-66<br>AS-66 – AS-68<br>AS-68 – AS-70<br>AS-70 – AS-71<br>AS-72 – AS-73<br>AS-74 – AS-76 |          |

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|               | Application Summary (cont'd)     | <ul style="list-style-type: none"><li>The Proponent's conclusions on the potential for significant adverse effects on VCs and on the factors identified in section 19(1) of CEAA 2012, including effects on Aboriginal Interests</li></ul>   | Overview    | AS18 – Part F Conclusions   | AS-104  |          |
| <b>PART A</b> |                                  | <b>INTRODUCTION AND BACKGROUND</b>   |             |   |   |          |
| <b>1</b>      | <b>Proposed Project Overview</b> |  |             |   |   |          |
| 1.1           | Proponent Description            | The Application will describe the Proponent, including its management team and contacts, corporate history, environmental policies, organizational structure and affiliations.   | Part A      | 1.1 – Proponent Description<br>1.2 – Proposed Project Description   | 1-1 – 1-2<br>1-3 – 1-43   |          |
| 1.2           | Proposed Project Description     | The Application will provide an overview of the proposed Project with a focus on the main features of the LNG facility, the marine terminal, and associated shipping activities, with details on project phases (i.e., construction, operations).  | Part A      | 1.2 – Proposed Project Description<br>1.2.4 – Project Phases<br>1.2.5 – Project Components  | 1-3 – 1-43<br>1-10 – 1-11<br>1-11 – 1-33  |          |
|               |                                  | Conceptual decommissioning and abandonment plans will be discussed in the Application, but detailed plans will be developed as part of the BC OGC LNG permitting process.  | Part A      | 1.2.8 – Decommissioning Activities  | 1-39 – 1-40   |          |
|               |                                  | The following details on the proposed Project will be provided in the Application:   | Part A      |   |   |          |
|               |                                  | <ul style="list-style-type: none"><li>Purpose, including identification of how objectives are related or contribute to broader private or public sector policies, plans or programs, if relevant</li></ul>   | Part A      | 1.2.1 – Purpose of the Project  | 1-3 – 1-4   |          |
|               |                                  | <ul style="list-style-type: none"><li>Location within the provincial, regional and local context, and distance from communities (Coordinates of the LNG facility and marine terminal will be provided in WGS-84 and Universal Transverse Mercator coordinate systems, and maps will be included)</li></ul>   | Part A      | 1.2.2 – Project Location<br>Figure 1-2 Conceptual Layout of Project Components at Full Build-Out  | 1-4 – 1-9<br>1-7  |          |
|               |                                  | <ul style="list-style-type: none"><li>Location of the proposed Project relative to asserted Aboriginal Groups traditional territories, and/or Treaty Nation territories</li></ul>  | Part A      | 1.2.2 – Project Location<br>Figure 1-3 Asserted Traditional Territories of Aboriginal Groups in the Project Area  | 1-4 – 1-9<br>1-8  |          |
|               |                                  | <ul style="list-style-type: none"><li>Relevant history, including exploratory or investigative history</li></ul>   | Part A      | 1.2.3 – Project Background and History  | 1-10  |          |
|               |                                  | <ul style="list-style-type: none"><li>Description of all phases of the proposed Project, including their duration and anticipated schedule</li></ul>   | Part A      | 1.2.4 – Project Phases  | 1-10 – 1-11   |          |
|               |                                  | <ul style="list-style-type: none"><li>Description of the following onsite and offsite infrastructure and facilities in the project development area (PDA), including figures:<ul style="list-style-type: none"><li>LNG facility (LNG processing and storage site)</li><li>Marine terminal</li><li>Supporting infrastructure and facilities (including onsite power supply options, energy storage, if applicable, and waste management including the wastewater treatment plant and location of outfalls)</li><li>Temporary infrastructure and facilities, including descriptive information such as size, location, and amenities of work camps</li><li>Operation of supporting marine traffic (during construction and operations)</li></ul></li></ul> | Part A      | 1.2.5.1 – LNG Facility<br>1.2.5.2 – Marine Terminal<br>1.2.5.3 – Supporting Infrastructure and Facilities<br>1.2.5.4 – Temporary Infrastructure and Facilities<br>1.2.5.5 – Supporting Marine Traffic   | 1-13 – 1-19<br>1-19 – 1-22<br>1-22 – 1-31<br>1-31 – 1-32<br>1-32 – 1-33                                   |          |
|               |                                  | <ul style="list-style-type: none"><li>Description of the following construction activities, including relevant figures:<ul style="list-style-type: none"><li>Site preparation (land-based and marine)</li><li>Onshore construction</li><li>Dredging (including disposal at sea, if applicable)</li><li>Marine construction</li><li>Waste management</li><li>Vehicle traffic to/from the facility site</li><li>Shipping</li><li>Commissioning and start-up</li></ul></li></ul>  | Part A      | 1.2.6.1 – Site Preparation<br>1.2.6.2 – Onshore Construction<br>1.2.6.3 – Dredging<br>1.2.6.4 – Marine Construction<br>1.2.6.5 – Waste Management<br>1.2.6.6 – Vehicle and Rail Traffic<br>1.2.6.7 – Construction Shipping<br>1.2.6.8 – Commissioning and Start-Up<br>Figure 1-2 – Conceptual Layout of Project Components at Full Build-Out<br>Figure 1-8 – Marine Infrastructure Jetty Design<br>Figure 1-9 – Material Offloading Facility Design Options | 1-33 – 1-34<br>1-34<br>1-34 – 1-35<br>1-35<br>1-35<br>1-36<br>1-36<br>1-36<br>1-36<br>1-7<br>1-21<br>1-24 |          |

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| 1.2<br>(cont'd) | Proposed Project Description<br>(cont'd) | <ul style="list-style-type: none"> <li>Description of the following operational activities: <ul style="list-style-type: none"> <li>Natural gas supply and reception system</li> <li>Natural gas treatment and natural gas liquids extraction</li> <li>LNG production and storage</li> <li>LNG loading</li> <li>LNG shipping, including operation of supporting auxiliary marine traffic</li> <li>Waste management</li> <li>Transportation of dangerous goods</li> </ul> </li> </ul>  | Part A      | 1.2.7 – Operations Activities<br>1.2.7.1 – Natural Gas Supply and Receiving<br>1.2.7.2 – Natural Gas Pre-Treatment and Liquids Extractions<br>1.2.7.3 – LNG Production and Storage<br>1.2.7.4 – LNG Loading<br>1.2.7.5 – Operational Shipping<br>1.2.7.6 – Waste Management<br>1.2.5.3 – Solid Waste Management System | 1-37 – 1-39<br>1-37<br>1-37<br><br>1-37 – 1-38<br>1-38<br>1-38<br>1-39<br>1-28 |          |
|                 |  | <ul style="list-style-type: none"> <li>Discussion at a conceptual level of decommissioning and abandonment activities, based on current requirements for: <ul style="list-style-type: none"> <li>Dismantling of land-based and marine infrastructure</li> <li>Remediation and reclamation of the site</li> <li>Waste management</li> <li>Post-closure monitoring and follow-up</li> </ul> </li> </ul>  | Part A      | 1.2.8 – Decommissioning Activities   | 1-39 – 1-40  |          |
|                 |  | <ul style="list-style-type: none"> <li>Overview of environmental mitigation measures incorporated into Project planning and the benefits of these changes, including measures related to: <ul style="list-style-type: none"> <li>Site selection</li> <li>Engineering design features</li> <li>Feedback obtained from government agencies, Aboriginal Groups, stakeholders, and the general public</li> </ul> </li> </ul>   | Part A      | 1.2.9 – Design Mitigation<br>1.2.9.1 – Site Selection<br>1.2.9.2 – Engineering Design Features<br>1.2.9.3 – Feedback from Government Agencies, Aboriginal Groups, Stakeholders, and the General Public   | 1-40 – 1-43<br>1-40<br>1-40 – 1-41<br>1-41 – 1-43                              |          |
|                 |  | Drinking water supply during construction and operations   | Part A      | 1.2.5.3 – Supporting Infrastructure and Facilities   | 1-22 – 1-31  |          |
|                 |  | Description of the capital construction phase  | Part A      | 1.4.3.1 – Capital Costs  | 1-53 – 1-55  |          |
|                 |  | Lifetime of the proposed Project (estimated to be 25 years)  | Part A      | 1.2.4 – Project Phases   | 1-10 – 1-11  |          |
|                 |  | Summary of the environmental management system and adaptive management approach  | Part A      | 1.2.10 – Environmental Management Policy and Programs  | 1-43   |          |
|                 |  | The Application will:  | Part A      |  |  |          |
| 1.3             | Land and Marine Use                      | <ul style="list-style-type: none"> <li>Summarize the Digby Island land ownership and land use regime including licenses or other authorizations that would potentially be required for or affected by the proposed Project</li> </ul>  | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |  | Summarize local government zoning or plans   | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |  | Summarize tenures, permits and other authorizations  | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |  | Summarize management objectives for lands affected by the proposed Project   | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |  | <ul style="list-style-type: none"> <li>Summarize the relevant government plans including maps where relevant including: <ul style="list-style-type: none"> <li>City of Prince Rupert – Quality of Life Official Community Plan (2010)</li> <li>Port of Prince Rupert 2020 Land Use Management Plan</li> <li>District of Port Edward Official Community Plan (2013)</li> <li>North Coast Land and Resource Management Plan</li> <li>Pacific North Coast Integrated Management Area Initiative</li> <li>Dodge Cove Official Community Plan (1990)</li> </ul> </li> </ul> | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |  | Describe existing and proposed management and monitoring programs or regional studies  | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |  |  |             |  |  |          |

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| 1.3<br>(cont'd) | Land and Marine Use<br>(cont'd) | <ul style="list-style-type: none"><li>Summarize land and marine use plans, including:<ul style="list-style-type: none"><li>Metlakatla Land Use Plan</li><li>Metlakatla Marine Use Plan</li><li>Interim Land and Marine Resources Plan of the Allied Tsimshian Nations of Lax Kw'alaams</li><li>Kitselas Land Use Plan (2012)</li><li>Kitsumkalum Community Marine Use Plan (2014)</li><li>North Coast Marine Plan (2015)</li></ul></li></ul>  | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |                                 | <ul style="list-style-type: none"><li>Summarize parks, reserves, any other federal lands, conservancies, and management areas, if any, potentially affected by the proposed Project</li></ul>   | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |                                 | <ul style="list-style-type: none"><li>Summarize other developments and/or land uses (e.g., non-tenured land uses, recreational areas), even if not directly related to the proposed Project, that might result in overlapping effects with the proposed Project</li></ul>   | Part A      | 1.3.1 – Land Use<br>1.3.2 – Marine Use   | 1-44 – 1-51<br>1-51  |          |
|                 |                                 | <ul style="list-style-type: none"><li>Identify future developments and/or land uses that are reasonably foreseeable and sufficiently certain to proceed</li></ul>   | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |                                 | <ul style="list-style-type: none"><li>Provide maps showing location of relevant land uses in relation to the proposed Project</li></ul>   | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
|                 |                                 | The assessment on land and resource use will be located in Section 6.4 of the Application. Specific information relating to current use of land and resources for traditional purposes by Aboriginal Groups will be provided in Section 11, Part B of the Application.  | Part A      | 1.3.1 – Land Use   | 1-44 – 1-51  |          |
| 1.4             | Benefits of the Project         | The Application will provide:   | Part A      |  |  |          |
|                 |                                 | <ul style="list-style-type: none"><li>Capital cost estimates, including:<ul style="list-style-type: none"><li>A description of estimated capital construction cost, including a breakdown of costs by category (e.g., land, buildings and equipment)</li><li>A description of estimated operating costs over the life of the proposed Project including a breakdown of costs by category (e.g., labour, supplies and materials, administration)</li><li>High-level cost estimates for decommissioning, closure, abandonment and reclamation</li></ul></li></ul>   | Part A      | 1.4.3.1 – Capital Costs<br>1.4.3.2 – Operating Costs<br>1.4.3.3 – Decommissioning Costs  | 1-53 – 1-55<br>1-55<br>1-56  |          |
|                 |                                 | <ul style="list-style-type: none"><li>Employment estimates for:<ul style="list-style-type: none"><li>Direct employment (stated in number of person years), including a breakdown by major job category (e.g., labour, management, business services) of employment during construction, and decommissioning, and full-time equivalent jobs for operations, distinguishing among full-time, part-time and seasonal workers</li><li>Wage levels, by major job category, for the construction and operating periods</li><li>The number of people that are expected to be hired locally, provincially, nationally or internationally</li><li>Potential to use currently underutilized local human resources</li><li>Relevant employment policies and practices</li><li>Generated indirect and induced employment by project phase</li></ul></li></ul> | Part A      | 1.4.4 – Employment<br>1.4.4.1 – Construction<br>1.4.4.2 – Operations<br>1.4.4.3 – Decommissioning<br>1.4.4.4 – Potential to Use Underutilized Resources<br>1.4.4.5 – Employment Policies and Practices | 1-57 – 1-67<br>1-57 – 1-62<br>1-62 – 1-65<br>1-66<br>1-66<br>1-66 – 1-67 |          |
|                 |                                 | Results from Statistics Canada Interprovincial Input-Output model will be considered in estimates of direct, indirect and induced economic benefits.  | Part A      | 1.4.5 – Government Revenue   | 1-67 – 1-71  |          |
|                 |                                 | The proposed Project will contribute benefits to local and regional communities through employment creation, business development, capacity building and workforce development through the assessment, construction and operational phases. Information on the employment strategy will also be provided in the Application.  | Part A      | 1.4.4.5 – Employment Policies and Practices  | 1-66 – 1-67  |          |
|                 |                                 | The Application will summarize available information providing assumptions and reference information, on:   | Part A      |  |  |          |

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| 1.4<br>(cont'd) | Benefits of the Project<br>(cont'd)                   | <ul style="list-style-type: none"> <li>Contractor supply services including: <ul style="list-style-type: none"> <li>A list of the major types of businesses/contractors, broken down at the local, provincial, and national level by project phase</li> <li>The estimated value of supply of service contracts expected for both the construction and operations phases</li> <li>A description of the Proponent's local purchasing strategy</li> </ul> </li> </ul>   | Part A      | 1.4.3.1 – Capital Costs<br>1.4.3.2 – Operating Costs<br>1.4.3.4 – Contractor Supply Services<br>1.4.4.5 – Employment Policies and Practices  | 1-53 – 1-55<br>1-55<br>1-56 – 1-57<br>1-66 – 1-67   |          |
|                 |   | <ul style="list-style-type: none"> <li>The estimated annual government revenues during the construction and operations phases, including: <ul style="list-style-type: none"> <li>Local/municipal (property taxes, other)</li> <li>Regional district (taxes, other)</li> <li>Provincial (income tax, sales tax, lease, license and tenure, royalties, other)</li> <li>Federal (income tax, sales tax, payroll taxes, other)</li> </ul> </li> </ul>  | Part A      | 1.4.5 – Government Revenue   | 1-67 – 1-71   |          |
|                 |   | <ul style="list-style-type: none"> <li>The contributions of the proposed Project to community development</li> </ul>   | Part A      | 1.5 – Contributions by Aurora LNG to Community Development   | 1-73 – 1-74   |          |
|                 |   | <ul style="list-style-type: none"> <li>Benefits of the proposed Project to the five assessment pillars (Environmental, Economic, Social, Health and Heritage)</li> </ul>   | Part A      | 1.5.1 – Benefits of the Project to the Five Pillars of Assessment  | 1-73 – 1-74   |          |
|                 |   | <ul style="list-style-type: none"> <li>Dollar estimate ranges in real dollars (where available) and an explanation of how the estimates were measured (e.g., discount rates)</li> </ul>  | Part A      | 1.4 – Benefits of the Proposed Project<br>1.4.2 – Methods  | 1-52 – 1-72<br>1-52 – 1-53  |          |
|                 |   | <ul style="list-style-type: none"> <li>Assumptions and references for the above information including who prepared the project economic benefits section</li> </ul>  | Part A      | 1.4.2 – Methods  | 1-52 – 1-53   |          |
|                 |   |  |             |  |   |          |
| 1.5             | Applicable Authorizations                             | The Application will provide a list of all applicable federal, provincial, and municipal licenses, leases, permits, authorizations and/or approvals required for the construction and operations of the proposed Project, including shipping activities, and will identify the associated responsible regulatory body. This list will be provided in table format (consistent with Table 1-2 of the AIR).  | Part A      | 1.6 – Applicable Authorizations  | 1-74 – 1-76   |          |
|                 |   | The Application will state whether a request for concurrent permitting will be submitted under the Concurrent Approval Regulation pursuant to BCEAA.   | Part A      | 1.6 – Applicable Authorizations  | 1-74 – 1-76   |          |
| 1.6             | Alternative Means of Undertaking the Proposed Project | Nexen Energy ULC has been and will be evaluating a number of alternative designs and technologies (collectively referred to as the 'alternative means') for the proposed Project, including: <ul style="list-style-type: none"> <li>Water and power supply</li> <li>Orientations for onsite LNG facilities</li> <li>Marine terminal</li> <li>Disposal of marine sediments and terrestrial overburden</li> <li>Access road routing</li> <li>Flare design and locations</li> <li>Location of temporary construction camp(s) Construction camp operations (i.e. water use, employee transportation and waste disposal)</li> </ul> | Part A      | 1.7 – Alternative Means of Undertaking the Proposed Project<br>1.7.1- Power Supply<br>1.7.2 - Water Supply<br>1.7.3 - Orientations for onsite LNG facilities<br>1.7.4- Marine Terminal Design and Location<br>1.7.5 – Disposal of Marine Sediment and Terrestrial Overburden<br>1.7.6 –Access Road Routing<br>1.7.7 – Flare Design<br>1.7.9- Construction Camp | 1-76 – 1-95<br>1-77 – 1-80<br>1-80 – 1-81<br>1-81 – 1-84<br>1-84 – 1-85<br>1-86 – 1-88<br>1-88 – 1-89<br>1-89 – 1-90<br>1-91 – 1-95 |          |
|                 |   | Initial criteria used to evaluate these alternatives include: <ul style="list-style-type: none"> <li>Technical requirements to construct and operate the LNG facility and its related infrastructure</li> <li>Feedback received from Aboriginal Groups, including feedback related to Aboriginal Interests and CEAA, 2012 section 5(1)(c) factors</li> <li>Economic feasibility of alternative technologies for construction and operation of the LNG facility</li> <li>Reducing adverse effects on environmental and heritage resources</li> <li>Industry safety standards and regulatory requirements</li> </ul>             | Part A      | 1.7 – Alternative Means of Undertaking the Proposed Project<br>1.7.1- Power Supply<br>1.7.2 - Water Supply<br>1.7.3 - Orientations for onsite LNG facilities<br>1.7.4- Marine Terminal Design and Location<br>1.7.5 – Disposal of Marine Sediment and Terrestrial Overburden<br>1.7.6 –Access Road Routing<br>1.7.7 – Flare Design<br>1.7.9- Construction Camp | 1-76 – 1-95<br>1-77 – 1-80<br>1-80 – 1-81<br>1-81 – 1-84<br>1-84 – 1-85<br>1-86 – 1-88<br>1-88 – 1-89<br>1-89 – 1-90<br>1-91 – 1-95 |          |

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| 1.6<br>(cont'd) | Alternative Means of Undertaking the Proposed Project (cont'd)                     | The Application will describe each alternative considered, the criteria used to evaluate each option, and the rationale for selecting the preferred alternative. Consideration for alternative means of undertaking the proposed Project and the environmental effects of any such alternative means will include specific reference to environmental effects as identified in section 5 of CEAA 2012. | Part A      | 1.7 – Alternative Means of Undertaking the Proposed Project                   | 1-76 – 1-95 |          |
| 2               | Environmental Assessment Process   |  | Part A      | 2 - Environmental Assessment Process  |             |          |
| 2.1             | Provincial Environmental Assessment Process  | The Application will include:  |             |   |             |          |
|                 |  | ▪ A statement that the proposed Project is subject to review under the BCEAA, identifying the trigger for the review under the BCEAA   | Part A      | 2.1 – Provincial Environmental Assessment Process                             | 2-1 – 2-3   |          |
|                 |  | ▪ A statement that the Application has been developed pursuant to the AIR approved by EAO and complies with relevant instructions provided in the Section 11 Order issued on August 25, 2014 and amended by the EAO on December 16, 2014 via a Section 13 order (referred to as the Section 11 Order in the AIR) and any other direction provided by EAO   | Part A      | 2. 1 – Provincial Environmental Assessment Process                            | 2-1 – 2-3   |          |
|                 |  | ▪ A table documenting applicable milestones, including, but not limited to, issuance of Section 10 and 11 Orders, working group meetings, any public comment periods or open houses and the issuance of the AIR  | Part A      | 2.3 – Summary of Pre-Application Milestones                                   | 2-10 – 2-11 |          |
|                 |  | ▪ A list of the government agencies and Aboriginal Groups that participated in the environmental assessment, a summary of their participation, and a list of the key issues raised by each and the status of issue resolution (with cross-reference, as appropriate, to other sections of Application that deal further with consultation and issues raised)   | Part A      | 2.4 – Environmental Assessment Participants and Their Key Issues and Concerns | 2-12 – 2-26 |          |
|                 |  | ▪ A summary of public participation in the environmental assessment, a list of the key issues raised, and the status of issue resolution (with cross-references, as appropriate, to other sections of Application that deal further with consultation and issues raised)   | Part A      | 2.4 – Environmental Assessment Participants and Their Key Issues and Concerns | 2-12 – 2-26 |          |
| 2.2             | Federal Environmental Assessment Process   | The Application will include:  |             |   |             |          |
|                 |  | ▪ The known or likely threshold that has been met under the federal Regulations Designating Physical Activities  | Part A      | 2.2 – Federal Environmental Assessment Process                                | 2-3 – 2-9   |          |
|                 |  | ▪ A statement that the CEA Agency has determined that a federal environmental assessment is required   | Part A      | 2.2 – Federal Environmental Assessment Process                                | 2-3 – 2-9   |          |
|                 |  | ▪ A statement that the proposed Project is undergoing a substituted review process   | Part A      | 2.2 – Federal Environmental Assessment Process                                | 2-3 – 2-9   |          |
|                 |  | ▪ A table identifying an overview of the approach to address CEAA 2012 requirements (e.g., how the federal requirements align with the VC selection and assessments)   | Part A      | 2.2 – Federal Environmental Assessment Process                                | 2-3 – 2-9   |          |
| PART B          | ▪ ASSESSMENT OF POTENTIAL EFFECTS, MITIGATION AND SIGNIFICANCE OF RESIDUAL EFFECTS |  |             |   |             |          |
| 3               | Assessment Methods   |  | Part B      | 3 – Assessment Methods  |             |          |
|                 |  | The Application will describe the assessment methods.  | Part B      | 3 – Assessment Methods  | 3-1 – 3-27  |          |
|                 |  | The key steps in the assessment (Figure 3-1 of the AIR) include:   | Part B      | 3.1 – Scoping and Selection of Valued Components                              | 3-1 – 3-3   |          |
|                 |  | ▪ Identification of key issues, valued components (VCs) and CEAA 2012 factors relevant to the proposed Project and the assessment  |             | 3.1.1 – Valued Components Selected for the Aurora LNG Project                 | 3-2 – 3-3   |          |
|                 |  | ▪ Definition of the scope of the assessment, including, regulatory and policy setting, assessment boundaries (spatial, temporal, administrative and technical), potential adverse project effects, measurable parameters, and significance thresholds  | Part B      | 3.2 – Assessment Scope  | 3-3 – 3-9   |          |
|                 |  | • regulatory and policy setting,   | Part B      | 3.2.1 – Regulatory and Policy Setting   | 3-4         |          |
|                 |  | • assessment boundaries (spatial, temporal, administrative and technical),   | Part B      | 3.3 – Assessment Boundaries   | 3-11 – 3-12 |          |
|                 |  | • potential adverse project effects,   | Part B      | 3.2.4 – Potential Environmental Effects and Measurable Parameters             | 3-4 – 3-9   |          |
|                 |  | • measurable parameters, and   | Part B      | 3.2.4 – Potential Environmental Effects and Measurable Parameters             | 3-4 – 3-9   |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection   | Application |  |              | Appendix |
|-------------|--|---|-------------|--|--------------|----------|
| No.         | Title  |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.     |          |
|             |  | <ul style="list-style-type: none"> <li>significance thresholds</li> </ul>   | Part B      | 3.6.6 – Significance Thresholds for Residual Effects   | 3-17         |          |
|             |  | <ul style="list-style-type: none"> <li>Description of existing conditions in the local and regional assessment areas</li> </ul>   | Part B      | 3.4 – Existing Conditions  | 3-12         |          |
|             |  | <ul style="list-style-type: none"> <li>Assessment of project-specific effects, including identification of mitigation measures.</li> </ul>  | Part B      | 3.6 – Assessment of Project Residual Effects   | 3-15 – 3-18  |          |
|             |  | <ul style="list-style-type: none"> <li>Assessment of cumulative effects</li> </ul>  | Part B      | 3.7 – Assessment of Cumulative Effects   | 3-18 – 3-26  |          |
|             |  | <ul style="list-style-type: none"> <li>Determination of significance for project-specific and cumulative effects</li> </ul>   | Part B      | 3.8 – Determination of Significance  | 3-27         |          |
|             |  | <ul style="list-style-type: none"> <li>Discussion of prediction confidence and assessment of risk</li> </ul>  | Part B      | 3.6.7 – Confidence and Risk<br>3.9 – Prediction Confidence   | 3-17<br>3-27 |          |
|             |  | <ul style="list-style-type: none"> <li>Description of follow-up and monitoring programs</li> </ul>  | Part B      | 3.10 – Follow-up and Monitoring  | 3-27         |          |
| 3.1         | Scoping and Selection of Valued Components   | To understand adverse effects on each of the pillars, each pillar will conclude with a summary of predicted residual effects, key mitigations and significance determinations for all relevant VCs.   | Part B      | 3.1 – Scoping and Selection of Valued Components   | 3-1 – 3-3    |          |
|             |  | Section 11 of the Application will address the specific requirements of CEAA 2012, including the specific requirement to Aboriginal peoples under section 5(1)(c).  | Part B      | 3.1 – Scoping and Selection of Valued Components   | 3-1 – 3-3    |          |
| 3.1.1       | Valued Components Selected for the Aurora LNG Project                                | The assessment of other Aboriginal Interests related to the requirements under section 5(1)(c) of CEAA 2012, will take place in Part B of the Application (Section 11), and will draw from relevant VCs.  | Part B      | 3.1.1 – Valued Components Selected for the Aurora LNG Project  | 3-2 – 3-3    |          |
| 3.2         | Assessment Scope   | The Application will describe the scope of the assessment of potential effects.   | Part B      | 3.2 – Assessment Scope   | 3-3 – 3-9    |          |
| 3.2.1       | Regulatory and Policy Setting  | The Application will identify and describe the regulatory requirements, policy, and guidance for assessment of potential effects for each VC.   | Part B      | 3.2.1 – Regulatory and Policy Setting  | 3-4          |          |
| 3.2.2       | Influence of Consultation on the Identification of Issues and the Assessment Process | The Application will describe information and concerns raised through consultation with government agencies, stakeholders, community members and Aboriginal Groups. This information will be used in Part B and Part C for the scoping of the assessment, and for informing the Application's analyses. | Part B      | 3.2.2 – Influence of Consultation on the Assessment  | 3-4          |          |
|             |  | When made available by Aboriginal Groups, traditional knowledge (TK) and traditional use (TU) studies and information, First Nation land-use plans, or other documents or sources of information will be included in the assessment, where applicable.  | Part B      | 3.2.2 – Influence of Consultation on the Assessment<br>3.2.3 – Traditional Knowledge and Traditional Use Incorporation | 3-4<br>3-4   |          |
| 3.2.3       | Selection of Potential Environmental Effects and Measurable Parameters               | Potential effects assessed will be selected with consideration of issues and concerns raised by the public, stakeholders, Aboriginal Groups, and by the project-specific terms of reference for the VCs.  | Part B      | 3.2.4 – Potential Environmental Effects and Measurable Parameters  | 3-4 – 3-9    |          |
|             |  | For each effect, one or more measurable parameters will be identified to facilitate quantitative or qualitative measurement of change in project-specific and cumulative effects potentially caused by the proposed Project.  | Part B      | 3.2.4 – Potential Environmental Effects and Measurable Parameters  | 3-4 – 3-9    |          |
|             |  | Table 3-2 of the AIR summarizes potential Project effects and associated measurable parameters.   | Part B      | 3.2.4 – Potential Environmental Effects and Measurable Parameters  | 3-4 – 3-9    |          |
| 3.3         | Assessment Boundaries  |   | Part B      | 3.3 – Assessment Boundaries  | 3-11 – 3-12  |          |
| 3.3.1       | Spatial Boundaries   | The Application will describe the spatial boundaries for each VC and the rationale for their selection. The Application will include rationale for any differences in spatial boundaries from those presented in the final AIR.   | Part B      | 3.3.1 – Spatial Boundaries   | 3-11         |          |
| 3.3.2       | Temporal Boundaries  | The Application will describe the temporal boundaries for each VC and the methods used to identify the boundaries. The Application will include the rationale for any differences in temporal boundaries from those presented in the final AIR.   | Part B      | 3.3.2 – Temporal Boundaries  | 3-11         |          |
| 3.3.3       | Administrative Boundaries  | Where relevant, the Application will describe administrative boundaries for each VC and methods used to identify the boundaries. The Application will include the rationale for any differences in administrative boundaries from those presented in the final AIR.                                     | Part B      | 3.3.3 – Administrative Boundaries  | 3-11         |          |
| 3.3.4       | Technical Boundaries   | Where relevant, the Application will describe the technical boundaries and the methods used to identify the boundaries, where required. The Application will include the rationale for any differences in technical boundaries from those presented in the final AIR.                                   | Part B      | 3.3.4 – Technical Boundaries   | 3-12         |          |

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| AIR Section |                      | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix |
|-------------|----------------------|--|-------------|--|---|----------|
| No.         | Title                |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 3.4         | Existing Conditions  | The Application will describe the existing conditions, identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analysis where applicable, in a manner that allows the reader to sufficiently understand each VC's effects assessment, and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. | Part B      | 3.4 – Existing Conditions<br>4.2.3.3 – Summary of Existing Conditions<br>4.3.3 – Overview<br>4.4.3.3 –Summary of Existing Conditions<br>4.5.3.3 – Summary of Existing Conditions<br>4.5.13.4 – Summary of Existing Conditions<br>4.6.3.2 – Overview<br>4.7.3 – Overview<br>4.8.3.3 – Summary of Existing Conditions<br>4.9.3.2 – Overview<br>4.10.3.2 – Overview<br>4.11.3.2 – Overview<br>5.2.3.3 – Summary<br>6.2.3.2 – Overview<br>6.3.3.3 – Summary<br>6.4.3.5 – Summary<br>6.5.3.3 – Summary<br>6.6.3.3 – Summary<br>7.2.3.2- Summary<br>8.2.3.2.5 – Summary of Existing Conditions | 3-12<br>4.2-16<br>4.3-10 - 4.3-15<br>4.4-12 – 4.4-13<br>4.5.-51<br>4.5-57<br>4.6-19 – 4.6-21<br>4.7-18 – 4.7-20<br>4.8-21 -4.8-23<br>4.9-21 – 4.9-22<br>4.10-27<br>4.11-17<br>5.2-52- 5.2-53<br>6.2-16 – 6.2-29<br>6.3-46<br>6.4-36 – 6.4-37<br>6.5-44<br>6.6-42<br>7-16 – 7-18<br>8-16 |          |
|             |                      | Key elements of the approach to describing existing conditions include:  | Part B      |  |   |          |
|             |                      | ▪ Appending and/or referencing existing and available reports as appropriate, including the baseline technical reports   | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ Conducting and documenting primary and secondary research to collect and analyze data following appropriate standards and guidelines (e.g., Resource Information Standards Committee), where available. Where methods used for the assessment deviate from applicable published guidance, the rationale for the variance will be provided in the Application.  | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ Discussing the quality and reliability of information sources (e.g., gaps, insufficiencies and uncertainties) that are consulted and how the data is used to describe existing conditions and support the assessment and future monitoring activities  | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ Integrating applicable TK and TU information into the Application  | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ Describing field and laboratory methods as well as quality assurance and quality control measures applied  | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ Describing modelling techniques and analyses and identify any limitations of the modelling   | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ Providing context for the existing conditions by referencing natural and/or human-caused trends that may alter the environmental, economic, social, heritage and health setting, irrespective of the changes that may occur as a result of the proposed Project or other project and/or activities in the area   | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
|             |                      | ▪ An explanation of if and how other past and present projects and activities in the study area have affected or are affecting each VC   | Part B      | 3.4 – Existing Conditions  | 3-12  |          |
| 3.5         | Project Interactions | Table 3-6 of the AIR lists the proposed Project's components and physical activities and, using checkmarks, indicates interactions of potential concern between this list and each selected VC.  | Part B      | 3.5 – Project Interactions   | 3-12 – 3-13   |          |
|             |                      | Potential Project interactions with VCs will be carried forward and assessed in the Application's VC section using a Project-environment interaction and effects table such as Table 3-7 of the AIR.   | Part B      | 3.5 – Project Interactions   | 3-12 – 3-13   |          |

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| AIR Section     |  | Description of Requirements of Relevant Section and/or Subsection   | Application |   |             | Appendix |
|-----------------|--|---|-------------|---|-------------|----------|
| No.             | Title                                  |   | Volume      | Section No. (to the lowest sub-section no.) and Title | Page No.    |          |
| 3.5<br>(cont'd) | Project Interactions<br>(cont'd)       | Justification will be provided for non interactions (no check marks), including any input received from EAO, the Working Group, government agencies, Aboriginal Groups and the public regarding the exclusion.  | Part B      | 3.5 – Project Interactions                            | 3-12 – 3-13 |          |
| 3.6             | Assessment of Project Residual Effects | The Application will summarize and follow the approach below to assess residual effects identified in relation to the Project for each VC.  | Part B      | 3.6 – Assessment of Project Residual Effects          | 3-15 – 3-18 |          |
| 3.6.1           | Analytical Methods                     | The Application will include a description of analytical techniques applied in the assessment of project effects and a discussion of the conservative assumptions—assumptions that err on the side of overstating expected effects—to accommodate uncertainties arising from such sources as limitation in modelling results or the availability or quality of data.              | Part B      | 3.6.1 – Analytical Methods                            | 3-15        |          |
| 3.6.2           | Project Mechanisms                     | The Application will describe how the proposed Project could result in environmental, economic, social, heritage or health effects (Project-effect pathways) on the VC.   | Part B      | 3.6.2 – Project Mechanisms                            | 3-15        |          |
|                 |  | Where applicable, the project effects mechanisms will be described for each phase (i.e., construction, operations and decommissioning) and may use a combination of existing knowledge of potential effects identified through the literature review, and knowledge of previous projects in a similar geographical and cultural context.  | Part B      | 3.6.2 – Project Mechanisms                            | 3-15        |          |
| 3.6.3           | Mitigation                             | For each VC, the Application will:  | Part B      |   |             |          |
|                 |  | ▪ Describe the approach to identify and analyze mitigation measures, including any management and compensation plans proposed by the Proponent, which will be implemented to address potential effects  | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | ▪ Describe the mitigation measures incorporated into the proposed Project, including site and route selection, project scheduling, project design (e.g., equipment selection, placement, emissions abatement measures), and construction and operations procedures and practices  | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
| 3.6.3           | Mitigation                             | ▪ Describe any standard mitigation assumed or proposed to be implemented, including consideration of best management practices, environmental management plans, environmental protection plans, contingency 24 plans, emergency response plans, and other general practices   | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | ▪ Clearly indicate how the mitigation measures will mitigate the potential adverse effects on the VC  | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | ▪ Provide the rationale for the proposed mitigation measures, including why further avoidance or reduction measures for adverse effects may not be considered feasible, and the need for and scope of any proposed compensation or offset   | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | ▪ Evaluate the anticipated success of each mitigation measure and describe rationale and analysis for these evaluations. If there is uncertainty with the effectiveness, describe the potential risks and uncertainties associated with use of the mitigation.  | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | ▪ Include the time required for mitigation to become effective, to enable understanding of the duration of residual effects and the temporal characteristics of reversibility   | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | ▪ Summarize the mitigation measures for potential Project effects by project phase and identify any mitigation measures that are in management or compensation plans  | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |
|                 |  | The Application will summarize the process and methodology used to determine if additional risk analysis is required. If additional risk analysis is required, the Application will summarize the process and methodology used for this analysis and the conclusions, including the range of likely, plausible and possible outcomes with respect to likelihood and significance. | Part B      | 3.6.3 – Mitigation                                    | 3-15 – 3-16 |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |          | Appendix |
|-------------|--|--|-------------|---|----------|----------|
| No.         | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title | Page No. |          |
| 3.6.4       | Characterization of Residual Effects         | The following criteria will be used in the Application to characterize (describe) the residual effects for each of the VCs. Where possible, these criteria will be described quantitatively for each VC. When residual effects cannot be characterized quantitatively, characterization will be completed using qualitative terms. Definitions will be provided when qualitative terms are used.   | Part B      | 3.6.4 – Characterization of Residual Effects          | 3-16     |          |
|             |  | When residual effects on a VC are determined the Application will identify the linkages between the VCs and the discipline-specific studies to which the information has been forwarded for further evaluation.  | Part B      | 3.6.4 – Characterization of Residual Effects          | 3-16     |          |
|             |  | The characterization of residual effects will be based on the following criteria:  | Part B      | 3.6.4 – Characterization of Residual Effects          | 3-16     |          |
|             |  | <ul style="list-style-type: none"><li>▪ <b>Magnitude</b>—The amount of change in measurable parameters or the VC relative to existing conditions. (e.g., negligible, low, moderate, high).</li><li>▪ <b>Geographical Extent</b>—The geographic area in which an environmental effect occurs.</li><li>▪ <b>Frequency</b>—Identifies when the residual effect occurs and how often during the proposed Project or in a specific phase (e.g., single event, multiple irregular events, multiple regular events, continuous).</li><li>▪ <b>Duration</b>—The period of time required until the measurable parameter or the VC returns to its existing condition, or the effect can no longer be measured or otherwise perceived (e.g., short-term, medium term, long term, permanent).</li><li>▪ <b>Reversibility</b>—Whether or not the residual effect on the VC can be reversed once the physical work or activity causing the disturbance ceases.</li><li>▪ <b>Context</b>—Refers primarily to the sensitivity and resilience of the VC. Context draws heavily on an understanding of existing conditions, which may reflect cumulative effects of other projects and activities that have been carried out, and information about the impact of natural and human-caused trends on the condition of the VC. Project effects may have a higher effect if they occur in areas or regions that: have already been adversely affected by human activities (i.e., disturbed or undisturbed) or are ecologically fragile and have little resilience to imposed stresses (i.e., fragile).</li></ul> | Part B      | 3.6.4 – Characterization of Residual Effects          | 3-16     |          |
| 3.6.5       | Likelihood of Residual Effects               | Likelihood refers to whether or not a residual effect is likely to occur. The probability of a residual adverse effect occurring and the rationale for this determination will be presented. Where possible, these criteria will be described quantitatively for each VC. When likelihood cannot be characterized quantitatively, characterization will be completed using qualitative terms. Definitions will be provided when qualitative terms are used.  | Part B      | 3.6.5 – Likelihood of Residual Effects                | 3-16     |          |
| 3.6.6       | Significance Thresholds for Residual Effects | The Application will identify threshold criteria for each potential effect, beyond which a residual effect is considered significant. Where thresholds are not set by guidelines, management standards or regulations, a threshold will be developed. The thresholds developed will present the limits of an acceptable change in a measurable parameter or state of the VC or CEAA 5(1)(c), based on resource management objectives, community standards, scientific literature or ecological processes (e.g., desired states for fish or wildlife habitats or populations). To meet the requirements of a substituted environmental assessment, significance determination will be provided for every residual effect, even if the likelihood is determined to be low.   | Part B      | 3.6.6 – Significance Thresholds for Residual Effects  | 3-17     |          |
| 3.6.7       | Confidence and Risk                          | The determination of significance will also include a discussion of the “prediction confidence” based on the following variables: <ul style="list-style-type: none"><li>▪ Scientific certainty relative to qualifying or estimating the effects, including the quality and/or quantity of data and the understanding of the effect mechanisms</li><li>▪ Scientific certainty relative to the effectiveness of the proposed mitigation measures</li><li>▪ Professional judgement from prior experience including proven mitigation measures</li></ul>   | Part B      | 3.6.7 – Confidence and Risk                           | 3-17     |          |
|             |  | The Application will summarize the process and methodology used to evaluate the levels of confidence associated with residual effects predictions and in particular, how any identified uncertainty may affect either the likelihood or the significance of the predicted residual effect. The Application will also describe any measures to reduce uncertainty through monitoring, adaptive management or other follow-up programs.  | Part B      | 3.6.7 – Confidence and Risk                           | 3-17     |          |

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| AIR Section       |   | Description of Requirements of Relevant Section and/or Subsection   | Application |   |             | Appendix |
|-------------------|---|---|-------------|---|-------------|----------|
| No.               | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title                     | Page No.    |          |
| 3.6.7<br>(cont'd) | Confidence and Risk<br>(cont'd)   | The Application will summarize the process and methodology used to determine if additional risk analysis is required. If additional risk analysis is required, the Application will summarize the process and methodology used for this analysis and the conclusions, including the range of likely, plausible and possible outcomes with respect to likelihood and significance.   | Part B      | 3.6.7 – Confidence and Risk   | 3-17        |          |
| 3.6.8             | Residual Project Effects<br>on [VC Name]                                | The characterization of residual project effects for each selected VC will be presented in the Application in a summary table in the format of Table 3-8 of the AIR. It should be noted that criteria for characterization of effects may be defined separately for each VC.  | Part B      | 3.6.8 – Residual Project Effects  | 3-17 – 3-18 |          |
| 3.7               | Assessment of<br>Cumulative Effects                                     | <p>The assessment of cumulative effects is initiated with a determination of whether two conditions are met:</p> <ul style="list-style-type: none"> <li>▪ The proposed Project is assessed as having residual environmental effects on the VC</li> <li>▪ The residual effects could act cumulatively with residual effects of other past, present, or reasonably foreseeable future physical activities</li> </ul> <p>If either condition is not met, the assessment of cumulative effects concludes with a statement that further assessment of cumulative effects is not warranted because the Project does not interact cumulatively with other projects or activities. A description of this process will be included in the Application.</p>   | Part B      | 3.7 – Assessment of Cumulative Effects                                    | 3-18 – 3-26 |          |
|                   |   | Following the process outlined in the following subsections, the project residual effects likely to interact cumulatively with residual environmental effects of other projects or physical activities will be identified and the resulting cumulative effects assessed for each VC. All relevant cumulative effects, regardless of the mechanism by which they occur, will be considered. This will be followed by an analysis of the proposed Project's contribution to cumulative effects.   | Part B      | 3.7 – Assessment of Cumulative Effects                                    | 3-18 – 3-26 |          |
| 3.7.1             | Project and Physical<br>Activities Inclusion List                       | The Application will identify past, present and reasonably foreseeable future projects and physical activities that may potentially interact cumulatively with the proposed Project.  | Part B      | 3.7.1 – Project and Physical Activities Inclusion List                    | 3-19 – 3-24 |          |
|                   |   | Future projects and activities considered in the cumulative effects assessment will be those that are reasonably foreseeable—those that: (a) have been publicly announced with a defined project execution period and with sufficient project details that allow for a meaningful assessment, and (b) are currently undergoing an environmental assessment or (c) are in a permitting process.  | Part B      | 3.7.1 – Project and Physical Activities Inclusion List                    | 3-19 – 3-24 |          |
|                   |   | Table 3-9 (of the AIR) presents the initial list of projects and physical activities that will be considered in the cumulative effects assessment. If the VC cumulative effects assessment considers projects and physical activities different than those in Table 3-9 (of the AIR) they will be included in a similar table that will be provided in the Application's cumulative effects assessment. To enable timely commencement of the cumulative effects analysis, this list will be finalized within three weeks of submitting the final AIR. Any edits to the list will be made based on discussions with the EAO. The Application will include a map showing the locations of the activities included in the cumulative effects assessment and a general description of the information sources used to identify reasonably foreseeable future developments and activities. | Part B      | 3.7.1 – Project and Physical Activities Inclusion List                    | 3-19 – 3-24 |          |
|                   |   | <p>The Application will describe:</p> <ul style="list-style-type: none"> <li>▪ The spatial boundaries for the cumulative effects assessment for each VC, including maps, using the boundaries established for the proposed Project-specific effects assessment, as appropriate</li> <li>▪ The spatial and temporal boundaries of other developments</li> </ul>  | Part B      | 3.7.1 – Project and Physical Activities Inclusion List                    | 3-19 – 3-24 |          |
| 3.7.2             | Identification of Project<br>Effects Likely to Interact<br>Cumulatively | Using the format of Table 3-10 (of the AIR), the Application will identify the interactions between the proposed Project's residual effects and those of other projects and activities. A conservative approach will be taken in identifying such interactions—if there is reasonable doubt about whether a cumulative interaction might occur, the interaction is considered. If it is determined that the proposed Project does not act cumulatively with other physical activities, then the assessment ends at this point because the proposed Project will not contribute to cumulative effects.   | Part B      | 3.7.2 – Identification of Project Effects Likely to Interact Cumulatively | 3-25        |          |
| 3.7.3             | Cumulative Effects<br>Mechanisms  | The Application will describe the mechanisms by which the cumulative effects identified above may occur and the geographic and temporal scope of any effects identified.  | Part B      | 3.7.4 – Cumulative Effects Mechanisms                                     | 3-25        |          |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection  | Application |   |             | Appendix |
|-------------|---|--|-------------|---|-------------|----------|
| No.         | Title                                       |  | Volume      | Section No. (to the lowest sub-section no.) and Title | Page No.    |          |
| 3.7.4       | Mitigation for Cumulative Effects           | The Application will identify mitigation that could be implemented, in addition to the previously described project-specific mitigation that could ameliorate the cumulative effect. There may not be additional mitigation that can be implemented. If so, there will be an explicit discussion of this. Given that cumulative effects that may occur would likely result from interactions of physical activities outside the control of the proposed Project Proponent, consideration will be given in the Application to collaborative initiatives that may involve the Proponents of the other physical activities as well as other third parties (e.g., governments, Aboriginal Groups, other stakeholders, and non-government organizations).                               | Part B      | 3.7.5 – Mitigation for Cumulative Effects             | 3-25 – 3-26 |          |
| 3.7.5       | Residual Cumulative Effects                 | After application of the additional mitigation measures, the Application will describe the resulting residual cumulative effects using the relevant measurable parameters and the appropriate criteria described in Section 3.6.4 (of the AIR) for characterizing residual effects. Tabular summaries may be used to summarize the changes to the VC.  | Part B      | 3.7.6 – Residual Cumulative Effects                   | 3-26        |          |
| 3.7.6       | Likelihood of Cumulative Residual Effects   | The probability of a residual adverse cumulative effect occurring and the rationale for this determination will be presented in the Application. Where possible, these criteria will be described quantitatively for each VC. When likelihood cannot be characterized quantitatively, characterization will be completed using qualitative terms. Definitions will be provided when qualitative terms are used.  | Part B      | 3.7.7 – Likelihood of Cumulative Residual Effects     | 3-26        |          |
| 3.7.7       | Summary of Cumulative Effects               | The Application will summarize the cumulative effects on each VC using the format shown in Table 3-11 of the AIR.  | Part B      | 3.7.8 – Summary of Cumulative Effects                 | 3-26        |          |
| 3.8         | Determination of Significance               |  | Part B      | 3.8 – Determination of Significance                   | 3-27        |          |
| 3.8.1       | Significance of Residual Project Effects    | The Application will make a prediction of the significance of each project-specific residual effect on the VCs using the significance thresholds defined in Section 3.6.6 of the AIR.  | Part B      | 3.8 – Determination of Significance                   | 3-27        |          |
| 3.8.2       | Significance of Residual Cumulative Effects | The Application will make a prediction of the significance of each cumulative residual effect on the VCs using the significance thresholds defined in Section 3.6.6 of the AIR.  | Part B      | 3.8 – Determination of Significance                   | 3-27        |          |
| 3.8.3       | Project Contribution to Cumulative Effects  | For each cumulative effect, the Application will describe the proposed Project's contribution to the residual cumulative effect (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).   | Part B      | 3.7.3 – Project Contribution to Cumulative Effects    | 3-25        |          |
| 3.8.4       | Prediction Confidence                       | <p>The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects, based on:</p> <ul style="list-style-type: none"><li>▪ Scientific certainty relative to qualifying or estimating the effect, including the quality and/or quantity of data</li><li>▪ The understanding of the effect mechanisms</li><li>▪ Scientific certainty relative to the effectiveness of the proposed mitigation measures</li><li>▪ Assumptions made</li></ul> <p>The level of confidence in the first three variables and the degree of conservatism in the fourth determines the degree of confidence in the significance prediction. Professional judgement from prior experience will also be used, including proven mitigation measures.</p> | Part B      | 3.9 – Prediction Confidence                           | 3-27        |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application   |   |   | Appendix |
|-------------|--|--|---------------|---|---|----------|
| No.         | Title  |  | Volume        | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 3.8.5       | Follow-up and Monitoring                             | <p>The Application will identify and briefly describe any proposed follow-up to assess the accuracy of the environmental assessment predictions and plans to monitor compliance in the implementation of mitigations.</p> <p>The Application will describe a follow-up strategy where a residual adverse effect and/or cumulative effect has been identified for a specific VC. Where applicable, the Application will:</p> <ul style="list-style-type: none"> <li>Identify the measures to evaluate the accuracy of the original effects prediction</li> <li>Identify the measures to evaluate the effectiveness of proposed mitigation measures</li> <li>Propose an appropriate strategy to apply in the event that original predictions of effects and mitigation effectiveness are not as expected. This includes reference to further mitigation, involvement of key stakeholders, First Nations, government agencies and any other measures deemed necessary to manage the issue.</li> </ul> | Part B        | 3.10 – Follow-up and Monitoring<br>4.2.9- Follow-up and Monitoring<br>4.3.9- Follow-up and Monitoring<br>4.4.9- Follow-up and Monitoring<br>4.5.9 - Freshwater Follow-up and Monitoring<br>4.5.9 - Marine Follow-up and Monitoring<br>4.6.9- Follow-up and Monitoring<br>4.7.9 – Follow-up and Monitoring<br>4.8.9 – Follow-up and Monitoring<br>4.9.9 – Follow up and Monitoring<br>4.10.9 – Follow-up and Monitoring<br>4.11.9 – Follow-up and Monitoring<br>5.2.9 – Follow-up and Monitoring<br>6.2.9 – Follow-up and Monitoring<br>6.3.9 – Follow-up and Monitoring<br>6.4.9 – Follow-up and Monitoring<br>6.5.9 – Follow-up and Monitoring<br>6.6.9 – Follow-up and Monitoring<br>7.2.9 – Follow-up and Monitoring<br>8.2.9 – Follow-up and Monitoring | 3-27<br>4.2-43<br>4.3-33<br>4.4-64<br>4.5-42,<br>4.5-90<br>4.6-80<br>4.7-98 – 4.7-99<br>4.8-77<br>4.9-124<br>4.10-90<br>4.11-58<br>5.2-199<br>6.2-55<br>6.3-98<br>6.4-98<br>6.5-76<br>6.6-112<br>7-31<br>8-49 |          |
| 3.8.6       | Conclusions  | The Application will provide a conclusion on the assessment.   | Part B        | 3.11 – Conclusions  | 3-27  |          |
| <b>4</b>    | <b>Assessment of Potential Environmental Effects</b> |  | <b>Part B</b> | <b>4 - Assessment of Potential Environmental Effects</b>  |   |          |
| 4.1         | Environmental Background                             | The Application will include a description of the existing biophysical environment to provide a general understanding of the area surrounding the proposed Project. This will include a description of the surrounding areas within the zone of potential influence of the proposed Project and information on the sites geophysical characteristics and groundwater conditions. More details will be provided in the baseline section of each VC chapter.   | Part B        | 4.1 – Environmental Background  | 4.1-1 – 4.1-4   |          |
| 4.2         | Air Quality  |  | Part B        |   |   |          |
| 4.2.1       | Introduction   | The Application will provide an overview of the air quality assessment, what the VC represents, and the rationale for its selection as a VC. The Application will also identify which other VCs air quality is linked to and describe how the results of the assessment will be integrated into those of other VCs.  | Part B        | 4.2.1 – Introduction  | 4.2-1   |          |
| 4.2.2       | Scope of Assessment                                  | The Application will define and describe the scope of the assessment of potential effects on air quality from emissions from the LNG facility (during all Project phases) including vessels at berth for loading.  | Part B        | 4.2.2 – Scope of Assessment   | 4.2-1 – 4.2-12  |          |
|             |  | A description of potential effects from shipping traffic along the shipping route and why these effects are not a concern for the Aurora LNG Project will be provided. This will include results of recently completed assessments in the area and a discussion on distance to nearest sensitive receptors.  | Part B        | 4.2.4 – Project Interactions  | 4.2-18 – 4.2-19   |          |
|             |  | The assessment will include a description of the regulatory requirements, policies, best management practices, and guidance documents relevant to air quality management.  | Part B        | 4.2.2.1 – Regulatory and Policy Setting<br>4.2.2.4 – Selection of Potential Effects and Measurable Parameters<br>4.2.5.2 – Assessment of Change in Ambient Criteria Air Contaminant Concentrations  | 4.2-2<br>4.2-4 – 4.2-7<br>4.2-21 – 4.2-29   |          |
|             |  | The Application will describe how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.   | Part B        | 4.2.2.2 – Influence of Consultation on the Assessment   | 4.2-2 – 4.2-3   |          |

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| AIR Section       |                                 | Description of Requirements of Relevant Section and/or Subsection   | Application |  |   | Appendix                                       |
|-------------------|---------------------------------|---|-------------|--|---|--|
| No.               | Title                           |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |  |
| 4.2.2<br>(cont'd) | Scope of Assessment<br>(cont'd) | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 4.2.2.2 – Influence of Consultation on the Assessment<br>4.2.2.3 – Traditional Knowledge and Traditional Use Incorporation   | 4.2-2 – 4.2-3<br>4.2-3 – 4.2-4                        |  |
|                   |                                 | The air quality assessment will focus on emissions of CACs, namely SO <sub>2</sub> , NO <sub>2</sub> , CO, PM <sub>10</sub> , and PM <sub>2.5</sub> , emitted by the construction, operation and decommissioning of the LNG facility, including all vessels at berth for loading. This section will also address H <sub>2</sub> S and total VOC emissions.  | Part B      | 4.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.2-4 – 4.2-7   |  |
|                   |                                 | Table 4.2-2 presents project potential effects on air quality and the measurable parameters. Dispersion modelling of parameters shown in Table 4.2-2 and sulphur and nitrogen deposition for base, project-alone, application and CEA cases will support the findings for the air quality assessment.   | Part B      | 4.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.2-4 – 4.2-7   |  |
|                   |                                 | The Application will identify and justify the spatial and temporal boundaries for the air quality assessment. Spatial boundaries are described in Table 4.2-4 (refer also to Figure 4.2-1). Project-specific effects on air quality will be assessed within the LAA while cumulative effects of regional and foreseeable future projects will be assessed within the RAA. The deposition of sulphur and nitrogen bearing compounds (acidic deposition) will be predicted for the RAA and will support the assessment of the effects on acidifying emissions on the relevant receptor VCs including freshwater quality (see Section 4.5) and vegetation and wetland resources (see Section 4.6). The Application will also define any administrative or technical boundaries that may constrain the assessment of project potential effects. | Part B      | 4.2.2.5 – Boundaries   | 4.2-7 – 4.2-10  |  |
| 4.2.3             | Existing Conditions             | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provide a brief summary of pre-existing data analyses, and conclude with an integrated statement on existing conditions of the VC based on past data.  | Part B      | 4.2.3 – Existing Conditions<br>4.2.3.1 – Methods<br>4.2.3.3 – Summary  | 4.2-12 – 4.2-17<br>4.2-13<br>4.2-16                   |  |
|                   |                                 | A summary of the regulatory context for managing the VC is provided as rationale for including the VC in the assessment in Table 3-1 (AIR) and will be summarized in the Application.   | Part B      | 4.2.2.1 – Regulatory and Policy Setting  | 4.2-2   |  |
|                   |                                 | The sources of information on existing conditions will include: <ul style="list-style-type: none"><li>Existing and available meteorological data</li><li>Existing and available air quality monitoring data, previous air quality assessments, and other literature</li></ul>   | Part B      | 4.2.3.1 – Methods  | 4.2-13  |  |
|                   |                                 | Air dispersion models will be developed in accordance with the current Guidelines for Air Quality Dispersion Modelling in British Columbia (BC MOE 2008b). The air quality assessment will describe four dispersion model scenarios: <ul style="list-style-type: none"><li>Base case—Existing regional facility source emissions</li><li>Project case—Project-alone emissions</li><li>Application case—Project and regional source emissions</li><li>Future case—Application case and emissions from approved and reasonably foreseeable projects (Table 3-7 of the AIR)</li></ul>  | Part B      | 4.2.2.1 – Regulatory and Policy Setting<br>4.2.5.1 – Analytical Methods  | 4.2-2<br>4.2-20 – 4.2-21                              |  |
|                   |                                 | Dispersion modelling of selected substances of interest for base, project-alone, application and CEA cases will produce the findings for the air quality assessment.  | Part B      | 4.2.5.1 – Analytical Methods<br>4.2.5.2 – Assessment of Change in Ambient Criteria Air Contaminant Concentrations<br>4.2.6.3 – Cumulative Effects Assessment for Change in Ambient Criteria Air Contaminant Concentrations | 4.2-20 – 4.2-21<br>4.2-21 – 4.2-29<br>4.2-33 – 4.2-40 |  |
|                   |                                 | Detailed baseline information will be provided in a technical data report.  | Part B      | Appendix A – Air Quality Technical Data Report   |   | Appendix A – Air Quality Technical Data Report |
| 4.2.4             | Project Interactions            | The Application will include a description of project interactions with air quality, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 4.2.4 – Project Interactions   | 4.2-18  |  |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |                                    | Appendix  |
|-------------|--|--|-------------|---|------------------------------------|---|
| No.         | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.                           |   |
| 4.2.5       | Assessment of Residual Effects             | The assessment of residual project effects on air quality will follow the methods outlined in Section 3.6 and will include: <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> <li>Characterization of residual effects for the project-alone case, including likelihood</li> </ul> | Part B      | 4.2.5.1 – Analytical Methods<br>4.2.5.2 – Assessment of Change in Ambient Criteria Air Contaminant Concentrations   | 4.2-20 – 4.2-21<br>4.2-21 – 4.2-29 |   |
| 4.2.6       | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on air quality following the methods outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood of any adverse residual cumulative effects will be described as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 4.2.6 – Assessment of Cumulative Effects of Air Quality   | 4.2-30 – 4.2-41                    |   |
| 4.2.7       | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on air quality, according to the methodology described in Section 3.8.   | Part B      | 4.2.7 – Determination of Significance   | 4.2-42 – 4.2-43                    |   |
| 4.2.8       | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.2.6.2 – Project Contribution to Cumulative Effects<br>4.2.6.3 – Cumulative Effects Assessment for Change in Ambient Criteria Air Contaminant Concentrations | 4.2-32<br>4.2-33 – 4.2-40          |   |
| 4.2.9       | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on air quality.   | Part B      | 4.2.8 – Prediction Confidence   | 4.2-43                             |   |
| 4.2.10      | Conclusions                                | The Application will include a conclusion on the air quality assessment, including a brief summary of any proposed follow-up and monitoring programs.  | Part B      | 4.2.10 – Conclusions  | 4.2-44                             |   |
| 4.3         | Greenhouse Gases                           |  | Part B      | 4.3 – Greenhouse Gases  |                                    |   |
| 4.3.1       | Introduction                               | The Application will provide a brief overview of the assessment of GHG and the rationale for its selection as a VC.  | Part B      | 4.3.1 – Introduction  | 4.3-1                              |   |
| 4.3.2       | Scope of Assessment                        | The Application will define and describe the scope of the assessment of potential effects on the GHGs VC.  | Part B      | 4.3.2 – Scope of Assessment   | 4.3-1 – 4.3-10                     |   |
|             |  | The assessment will focus on the release of GHGs associated with the LNG facility's construction, operations and decommissioning, and emissions from shipping activities. The potential environmental effects and the measurable parameters will be described (Table 4-3 as outlined in the AIR).  | Part B      | 4.3.2 – Scope of Assessment<br>4.3.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.3-1 – 4.3-10<br>4.3-5 – 4.3-6    |   |
|             |  | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of GHGs, and will describe how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.   | Part B      | 4.3.2.1 – Regulatory and Policy Setting<br>4.3.2.2 – Influence of Consultation on the Assessment  | 4.3-2 – 4.3-3<br>4.3-4             |   |
|             |  | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.3.2.2 – Influence of Consultation on the Assessment<br>4.3.2.3 – Traditional Knowledge and Traditional Use Incorporation                                    | 4.3-4<br>4.3-5                     |   |
|             |  | Spatial boundaries will not be used for the assessment of GHGs as the environmental effect associated with GHG emissions are a global issue. Instead, boundaries for the assessment of GHGs will coincide with administrative boundaries, established by applicable provincial and federal GHG policy and legislation.   | Part B      | 4.3.2.5 – Boundaries  | 4.3-6 – 4.3-7                      |   |
|             |  | GHG emissions related to land clearing during the construction phase will be quantified using the methods and emission factors provided by the BC Ministry of Forests, Lands, and Natural Resource Operations (MFLNRO).  | Part B      | 4.3.5.1 – Analytical Methods  | 4.3-17 – 4.3-21                    | Appendix B – Greenhouse Gases Technical Data Report |

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| AIR Section       |                                  | Description of Requirements of Relevant Section and/or Subsection   | Application |  |                                    | Appendix  |
|-------------------|----------------------------------|---|-------------|--|------------------------------------|---|
| No.               | Title                            |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                           |   |
| 4.3.2<br>(cont'd) | Scope of Assessment<br>(cont'd)  | To estimate the intensity of the Project emissions (i.e., tonnes of GHG released/tonnes of LNG produced), annual GHG emissions associated with Project operations will be calculated using the Western Climate Initiative Essential Requirements for Mandatory Reporting, when technical engineering details are available. If this information is not available, industry best practices will be applied.  | Part B      | 4.3.5.1 – Analytical Methods   | 4.3-17 – 4.3-21                    | Appendix B – Greenhouse Gases Technical Data Report |
| 4.3.3             | Existing Conditions              | The Application will describe the approach and methods used to characterize existing conditions as outlined in Section 3.4. The existing conditions will develop the context for which the potential effects of project-related GHG emissions can be determined based on provincial and federal emission inventory reports. A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.  | Part B      | 4.3.3 – Existing Conditions  | 4.3-10 – 4.3-15                    | Appendix B – Greenhouse Gases Technical Data Report |
|                   |                                  | An industry profile will be prepared in accordance with the CEAA guidance document <i>Incorporating Climate Change Considerations in Environmental Assessments</i> (2003). The industry profile will look at global LNG facilities and publically available information on individual GHG. Information to complete the baseline will be obtained from publically available information in recent EAs, as well as any internal analysis completed by Nexen. The industry profile will also include discussions related to the GHG intensity threshold applicable to LNG facilities in BC. Detailed baseline information will be provided in a technical data report. | Part B      | 4.3.3 – Existing Conditions<br>4.3.3.2 – Overview  | 4.3-10 – 4.3-15<br>4.3-11 – 4.3-15 |   |
| 4.3.4             | Project Interactions             | The Application will include a description of project interactions with GHGs, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.  | Part B      | 4.3.4 – Project Interactions with Greenhouse Gases   | 4.3-15 – 4.3-16                    |   |
| 4.3.5             | Assessment of Residual Effects   | The assessment of project residual effects on GHGs will follow the methods outlined in Section 3: <ul style="list-style-type: none"><li>▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li><li>▪ A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li><li>▪ Characterization of residual effects, including likelihood</li></ul>   | Part B      | 4.3.5.1 – Analytical Methods<br>4.3.5.2 – Assessment of Emissions of GHGs                        | 4.3-17 – 4.3-21<br>4.3-21 – 4.3-28 | Appendix B – Greenhouse Gases Technical Data Report |
| 4.3.6             | Assessment of Cumulative Effects | A cumulative effects assessment for GHGs following the methods outlined in Section 3.7 (Table 3-10 of the AIR) cannot be completed at the scale of the proposed Project. The cumulative environmental effect related to GHGs is measured at the global level by international bodies such as the Intergovernmental Panel on Climate Change and is associated with global climate change.  | Part B      | 4.3.6 – Assessment of Cumulative Effects on Greenhouse Gases                                     | 4.3-28 – 4.3-29                    |   |
| 4.3.7             | Significance of Residual Effects | The Application will include a determination of significance of project-alone effects on GHGs, according to the methodology described in Section 3.8.   | Part B      | 4.3.7.1 – Significance of Project Residual Effects   | 4.3-29 – 4.3-30                    |   |
| 4.3.8             | Prediction Confidence            | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on GHG.  | Part B      | 4.3.8 – Prediction Confidence  | 4.3-31                             |   |
| 4.3.9             | Conclusions                      | The Application will include a conclusion on the GHGs assessment, including a brief summary of proposed follow-up monitoring programs.  | Part B      | 4.3.10 – Conclusions   | 4.3-32 – 4.3-33                    |   |
| 4.4               | Acoustic Environment             |   | Part B      |  |                                    |   |
| 4.4.1             | Introduction                     | This section will provide a brief overview of the acoustic environment assessment, what the VC represents, and the rationale for its selection as a VC and how the results of the assessment will be integrated into the assessment of VCs.   | Part B      | 4.4.1 – Introduction   | 4.4-1                              |   |
| 4.4.2             | Scope of Assessment              | The Application will define and describe the scope of the assessment of potential effects on the ambient acoustic environment from the LNG Facility including vessels at berth for loading. A description of potential effects from shipping traffic along the shipping route and why these effects are not a concern for the Aurora LNG Project will be provided. This will include results of recently completed assessments in the area and a discussion on distance to nearest sensitive receptors.   | Part B      | 4.4.2 – Scope of Assessment<br>4.4.4 – Project Interactions with Acoustic Environment            | 4.4-1 – 4.4-13<br>4.4-18 – 4.4-20  |   |
|                   |                                  | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of noise and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 4.4.2.1 – Regulatory and Policy Setting<br>4.4.2.2 – Influence of Consultation on the Assessment | 4.4-2 – 4.4-4<br>4.4-4 – 4.4-5     |   |

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| AIR Section       |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |   | Appendix |
|-------------------|--|--|-------------|---|---|----------|
| No.               | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 4.4.2<br>(cont'd) | Scope of Assessment<br>(cont'd)            | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.4.2.2 – Influence of Consultation on the Assessment<br>4.4.2.3 – Traditional Knowledge and Traditional Use Incorporation  | 4.4-4 – 4.4-5<br>4.4-5 – 4.4-6                                  |          |
|                   |  | The acoustic environment assessment will focus on overall sound levels and low frequency noise emissions associated with project construction and operations as well as vibration during construction.   | Part B      | 4.4.2.4 – Selection of Potential Effects and Measurable Parameters  | 4.4-6 – 4.4-7   |          |
|                   |  | The Application will identify and describe potential adverse environmental effects that will be included and the measurable parameters that will be used (Table 4-4 of the AIR).   | Part B      | 4.4.2.4 – Selection of Potential Effects and Measurable Parameters  | 4.4-6 – 4.4-7   |          |
|                   |  | The Application will identify and justify the spatial and temporal boundaries for the assessment. Spatial boundaries are described in Table 4-5 of the AIR and shown in Figure 3-3 of the AIR. The Application will also define any administrative or technical boundaries that may constrain the assessment of project effects.   | Part B      | 4.4.2.5 – Boundaries  | 4.4-8 – 4.4-11  |          |
| 4.4.3             | Existing Conditions                        | This section presents information about the existing conditions, identifies any important data gaps for the effects assessment, provides a brief summary of field surveys and additional data analyses (if applicable), and concludes with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.<br>The sources of information on existing conditions will include: <ul style="list-style-type: none"> <li>BC OGC Noise Control Best Practice prescribed ambient sound level for different communities</li> <li>US EPA 1974 provides estimated baseline sound level based on qualitative description of the area</li> </ul> | Part B      | 4.4.3 – Existing Conditions for Acoustic Environment  | 4.4-13 – 4.4-18   |          |
| 4.4.4             | Project Interactions                       | The Application will include a description of project interactions with acoustic environment following the methods outlined in Section 3.5.  | Part B      | 4.4.4 – Project Interactions with Acoustic Environment  | 4.4-18 – 4.4-20   |          |
| 4.4.5             | Assessment of Residual Effects             | The assessment of project residual effects on acoustic environment will follow the methods outlined in Section 3.6: <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures</li> <li>Characterization of project-specific residual effects</li> </ul>  | Part B      | 4.4.5.1 – Analytical Methods<br>4.4.5.2 – Assessment of Change in Noise Level<br>4.4.5.3 – Assessment of Change in Vibration Level<br>4.4.5.4 – Summary of Project Residual Effects on Acoustic Environment | 4.4-20 – 4.4-23<br>4.4-23 – 4.4-50<br>4.4-51 – 4.4-57<br>4.4-57 |          |
| 4.4.6             | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on the acoustic environment following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 4-10 of the AIR) and identify any additional mitigation measures. The likelihood of any adverse residual cumulative effects will be described as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.  | Part B      | 4.4.6 – Assessment of Cumulative Effects on Acoustic Environment  | 4.4-58 – 4.4-63   |          |
| 4.4.7             | Significance of Residual Effects           | The Application will include a determination of significance of project-specific cumulative effects on acoustic environment according to methodology described in Section 3.8.   | Part B      | 4.4.7 – Determination of Significance   | 4.4-63  |          |
| 4.4.8             | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.4.6.2 – Project Contribution to Cumulative Effects  | 4.4-60  |          |
| 4.4.9             | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on acoustic environment.  | Part B      | 4.4.8 – Prediction Confidence   | 4.4-63 – 4.4-64   |          |
| 4.4.10            | Conclusions                                | The Application will include a conclusion on the acoustic environment assessment, including a brief summary of proposed follow-up and monitoring programs.   | Part B      | 4.4.9 – Follow-up and Monitoring<br>4.4.10 – Conclusion   | 4.4-64<br>4.4-64  |          |

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| AIR Section |                     | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix |
|-------------|---------------------|--|-------------|--|---|----------|
| No.         | Title               |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 4.5         | Water Quality       |  | Part B      |  |   |          |
| 4.5.1       | Introduction        | The Application will provide a brief overview of the water quality assessment, what the VC represents, and the rationale for its selection as a VC. The Application will also identify which VCs water quality is linked to and describe how the results of the assessment will be integrated into those of other VCs.   | Part B      | 4.5.1 – Freshwater - Introduction<br>4.5.11 – Marine Water - Introduction  | 4.5-1 – 4.5-2<br>4.5-43                             |          |
| 4.5.2       | Scope of Assessment | The Application will define and describe the scope of the assessment of potential effects on the Water Quality VC.   | Part B      | 4.5.2 – Freshwater - Scope of the Assessment<br>4.5.12 – Marine Water - Scope of the Assessment  | 4.5-2 – 4.5-11<br>4.5-43 – 4.5-51                   |          |
|             |                     | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of surface waters (including freshwater and marine waters), and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 4.5.2.1 – Regulatory and Policy Setting (Freshwater)<br>4.5.12.1 – Regulatory and Policy Setting (Marine Water)  | 4.5-2 – 4.5-3<br>4.5-43 – 4.5-44                    |          |
|             |                     | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.5.2.2 – Influence of Consultation on the Assessment (Freshwater)<br>4.5.2.3 – Traditional Knowledge and Traditional Use Incorporation (Freshwater)<br>4.5.12.2 – Influence of Consultation on the Assessment (Marine Water)<br>4.5.12.3 – Traditional Knowledge and Traditional Use Incorporation (Marine Water) | 4.5-3 – 4.5-4<br>4.5-4<br>4.5-45<br>4.5-45 – 4.5-46 |          |
|             |                     | The water quality assessment will focus on potential adverse effects on freshwater and marine waters. Project effects on freshwater may result in changes to freshwater quality from soil erosion or soil transport that introduces sediment into surface runoff and subsequently into nearby water courses. The assessment will include an assessment of the potential for surface water acidification and eutrophication as a result of project emissions of sulphur dioxide and nitrogen oxides (BC MOE 2015).  | Part B      | 4.5.2.4 – Selection of Potential Effects and Measurable Parameters (Freshwater)<br>4.5.12.4 – Selection of Potential Effects and Measurable Parameters (Marine Water)  | 4.5-4 – 4.5-5<br>4.5-46                             |          |
|             |                     | The marine water quality assessment will focus on potential effects associated with disturbance to sediments during in-water works in the construction phase (e.g., dredging), which could lead to elevated levels of TSS in the water column as well as the mobilization of historical contaminants. In addition if disposal at sea is chosen as the means for disposing of dredgeate the potential effects of this activity on water quality will be assessed based on direction received from Environment Canada. The Application will identify and describe potential effects that will be included in the assessment of water quality and the measurable parameters that will be used to assess the effects (Table 4-6 of the AIR). | Part B      | 4.5.15.3 – Assessment of Change in Physical or Chemical Composition of Marine Waters   | 4.5-59 – 4.5-81                                     |          |
|             |                     | The Application will identify and justify the spatial and temporal boundaries for the water quality assessment. Spatial boundaries are described in Table 4-7 of the AIR and shown in Figure 3-4 (AIR). The Application will also define any administrative or technical boundaries that may constrain the assessment of project effects.  | Part B      | 4.5.2.5 – Assessment Boundaries (Freshwater)<br>4.5.12.5 – Assessment Boundaries (Marine Water)  | 4.5-5 – 4.5-8<br>4.5-46 – 4.5-49                    |          |

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| AIR Section |                                  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |  | Appendix  |
|-------------|----------------------------------|--|-------------|---|--|---|
| No.         | Title                            |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |   |
| 4.5.3       | Existing Conditions              | <p>This section, as outlined in Section 3.4, will present information about the existing conditions. It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.</p> <p>The sources of information on existing conditions will include:</p> <ul style="list-style-type: none"> <li>Water chemistry data collected during the 2014 and 2015 surveys</li> <li>Water chemistry data collected during the 2015 surface water acidification and eutrophication field sampling program</li> <li>Results of a 2014 marine water and sediment sampling program and a 2015 sediment sampling program</li> <li>A review of existing and available information on marine water and sediment quality gathered from reports, previous published EAs for similar projects or other types of projects in the same region</li> </ul> | Part B      | 4.5.3 – Freshwater - Existing Conditions for Water Quality<br>4.5.13 – Marine Water - Existing Sediment and Water Conditions  | 4.5-12 – 4.5-13<br>4.5-51 – 4.5-57   |   |
|             |                                  | Detailed baseline information will be provided in a technical data report.   | Part B      |   |  | <p>Appendix E – Surface Freshwater Quality Technical Data Report</p> <p>Appendix F – Marine Sediment and Water Quality Technical Data Report</p> <p>Appendix G – Aurora LNG MOF and Terminal Dredge Modelling</p> <p>Appendix H – Technical Memorandum. Aurora LNG: Disposal at Sea Modelling</p> |
| 4.5.4       | Project Interactions             | The Application will include a description of project interactions with water quality, as identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 4.5.4 – Freshwater - Project Interactions with Water Quality<br>4.5.14 Marine Water - Project Interactions with Water Quality   | 4.5-14 – 4.5-16<br>4.5-57 – 4.5-58   |   |
| 4.5.5       | Assessment of Residual Effects   | <p>The assessment of residual project effects on water quality will follow the methods outlined in Section 3.6 and will include:</p> <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> <li>Characterization of project-specific residual effects, including likelihood</li> </ul>  | Part B      | <p>4.5.2.6 – Residual Effects Description Criteria (Freshwater)</p> <p>4.5.2.7 – Likelihood of Residual Effects (Freshwater)</p> <p>4.5.2.8 – Significance Thresholds for Residual Effects (Freshwater)</p> <p>4.5.5 – Freshwater - Assessment of Residual Effects on Water Quality</p> <p>4.5.12.6 – Residual Effects Description Criteria (Marine Water)</p> <p>4.5.12.7 – Likelihood of Residual Effects (Marine Water)</p> <p>4.5.12.8 – Significance Thresholds for Residual Effects (Marine Water)</p> <p>4.5.15 – Marine Water Assessment of Residual Effects on Water Quality</p> | <p>4.5-8 – 4.5-10</p> <p>4.5-11</p> <p>4.5-11</p> <p>4.5-16 – 4.5-33</p> <p>4.5-49 – 4.5-50</p> <p>4.5-50</p> <p>4.5-51</p> <p>4.5-58 – 4.5-81</p> |   |
| 4.5.6       | Assessment of Cumulative Effects | The Application will include an assessment of cumulative effects on water quality following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.  | Part B      | 4.5.6 – Freshwater - Assessment of Cumulative Effects<br>4.5.16 – Marine Water - Assessment of Cumulative Effects   | 4.5-33 – 4.5-40<br>4.5-82 – 4.5-89   |   |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |  | Appendix |
|-------------|--|--|-------------|---|--|----------|
| No.         | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| 4.5.7       | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on water quality, according to the methodology described in Section 3.8.   | Part B      | 4.5.7 – Freshwater - Determination of Significance<br>4.5.17 – Marine Water - Determination of Significance   | 4.5-40 – 4.5-41<br>4.5-89 – 4.5-90                                       |          |
| 4.5.8       | Project Contribution to Cumulative Effects | The Application will describe the proposed Project’s contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.5.6.2 – Project Contribution to Cumulative Effects (Freshwater)<br>4.5.16.2 – Project Contribution to Cumulative Effects (Marine Water)   | 4.5-36<br>4.5-84   |          |
| 4.5.9       | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on water quality.   | Part B      | 4.5.8 – Freshwater - Prediction Confidence<br>4.5.18 – Marine Water - Prediction Confidence   | 4.5-41 – 4.5-42<br>4.5-90  |          |
| 4.5.10      | Conclusions                                | The Application will include a conclusion on the water quality assessment, including a brief summary of proposed follow-up monitoring programs.  | Part B      | 4.5.9 – Freshwater - Follow-up and Monitoring<br>4.5.19 – Marine Water - Follow up and Monitoring<br>4.5.10 – Freshwater - Conclusions<br>4.5.20 – Marine Water - Conclusions   | 4.5-42<br>4.5-90<br>4.5-42 – 4.5-43<br>4.5-90                            |          |
| 4.6         | Vegetation and Wetland Resources           |  | Part B      |   |  |          |
| 4.6.1       | Introduction                               | This section will provide an overview of the vegetation and wetland resources assessment, describe the rationale for its selection as a VC, and the linkages with other VCs.<br>Plant species in this assessment refer to vascular and nonvascular plants and lichen.<br>Riparian vegetation will be addressed in Section 4.8, Freshwater Fish and Fish Habitat, and eelgrass will be assessed as part of the 'Change in Habitat' effect under the Marine Fish and Fish Habitat VC in Section 4.9. | Part B      | 4.6.1 – Introduction<br>4.6.2.4 – Selection of Potential Effects and Measurable Parameters  | 4.6-1 – 4.6-2<br>4.6-6 – 4.6-9   |          |
|             |  | The assessment of vegetation and wetland resources will include the following topics: <ul style="list-style-type: none"><li>Plant species at risk, as defined by:<ul style="list-style-type: none"><li>The BC Conservation Data Centre (CDC)</li><li>SARA</li><li>The Committee on the Status of Endangered Wildlife in Canada (COSEWIC)</li></ul></li></ul>   | Part B      | 4.6.5.2 – Assessment of Change in Abundance of Plant Species of Interest<br>4.6.6.3 – Cumulative Effects Assessment for Change in Abundance of Plant Species of Interest  | 4.6-27 – 4.6-33<br>4.6-61 – 4.6-62                                       |          |
|             |  | <ul style="list-style-type: none"><li>Traditional use plant species</li></ul>  | Part B      | 4.6.5.2 – Assessment of Change in Abundance of Plant Species of Interest<br>4.6.6.3 – Cumulative Effects Assessment for Change in Abundance of Plant Species of Interest  | 4.6-27 – 4.6-33<br>4.6-61 – 4.6-62                                       |          |
|             |  | <ul style="list-style-type: none"><li>Invasive plant species</li></ul>   | Part B      | 4.6.5.2 – Assessment of Change in Abundance of Plant Species of Interest<br>4.6.6.3 – Cumulative Effects Assessment for Change in Abundance of Plant Species of Interest  | 4.6-27 – 4.6-33<br>4.6-61 – 4.6-62                                       |          |
|             |  | <ul style="list-style-type: none"><li>Rare and sensitive ecological communities, as defined by the BC Conservation Data Center</li></ul>   | Part B      | 4.6.5.3 – Assessment of Change in Abundance or Condition of Ecological Communities of Interest<br>4.6.5.4 – Assessment of Change in Wetland Function<br>4.6.6.4 – Cumulative Effects Assessment for Change in Abundance or Condition of Ecological Communities of Interest<br>4.6.6.5 – Cumulative Effects Assessment for Change in Wetland Function<br>[Note: the term “rare and sensitive ecological communities” is not used in the assessment but these are assessed and include ecological communities at risk (provincially red- and blue-listed), old growth, and wetlands]. | 4.6-33 – 4.6-46<br>4.6-47 – 4.6-55<br>4.6-62 – 4.6-71<br>4.6-71 – 4.6-72 |          |

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| AIR Section       |                          | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                                    | Appendix                                      |
|-------------------|--------------------------|--|-------------|--|------------------------------------|---|
| No.               | Title                    |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                           |   |
| 4.6.1<br>(cont'd) | Introduction<br>(cont'd) | <ul style="list-style-type: none"> <li>Old-growth forest</li> </ul>  | Part B      | 4.6.5.3 – Assessment of Change in Abundance or Condition of Ecological Communities of Interest<br>4.6.6.4 – Cumulative Effects Assessment for Change in Abundance or Condition of Ecological Communities of Interest | 4.6-33 – 4.6-46<br>4.6-62 – 4.6-71 |   |
|                   |                          | <ul style="list-style-type: none"> <li>Wetland functions</li> </ul>  |             | 4.6.5.4 – Assessment of Change in Wetland Function<br>4.6.6.5 – Cumulative Effects Assessment for Change in Wetland Function   | 4.6-47 – 4.6-55<br>4.6-71 – 4.6-72 |   |
| 4.6.2             | Scope of Assessment      | The Application will define and describe the scope of the assessment of potential effects on the vegetation and wetland resources VC.  | Part B      | 4.6.2 – Scope of Assessment  | 4.6-2 – 4.6-16                     |   |
|                   |                          | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of vegetation and wetland resources, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used.   | Part B      | 4.6.2.1 – Regulatory and Policy Setting<br>4.6.2.2 – Influence of Consultation on the Assessment   | 4.6-2 – 4.6-3<br>4.6-4 – 4.6-5     |   |
|                   |                          | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.6.2.2 – Influence of Consultation on the Assessment<br>4.6.2.3 – Traditional Knowledge and Traditional Use Incorporation   | 4.6-4 – 4.6-5<br>4.6-6             |   |
|                   |                          | The Application will identify and describe potential environmental effects that will be included in the assessment of vegetation and wetland resources and the measurable parameters that will be used (Table 4-8 of the AIR). In addition to potential direct effects from clearing and construction, the Application will include an assessment of potential effects to vegetation as a result of Project emissions, including direct effects from high concentrations of NO <sub>2</sub> and SO <sub>2</sub> or indirect effects from soil acidification and/or eutrophication. Results from air quality modelling and a soil acidification and eutrophication assessment using UBA (2004) methodology and following MOE (2014) guidance will be incorporated into the assessment of effects to vegetation and wetland resources. | Part B      | 4.6.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.6-6 – 4.6-9                      |   |
|                   |                          | The Application will identify and justify the spatial and temporal boundaries for the vegetation and wetland resources assessment. Spatial boundaries are described in Table 4-9 of the AIR (refer also to Figure 3-5 of the AIR). The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.  | Part B      | 4.6.2.5 – Boundaries   | 4.6-9 – 4.6-12                     |   |
| 4.6.3             | Existing Conditions      | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.   | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resources   | 4.6-17 – 4.6-21                    | Appendix I – Vegetation and Wetland Resources |
|                   |                          | The sources of information on existing conditions will include:  | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource  | 4.6-17 – 4.6-21                    | Appendix I – Vegetation and Wetland Resources |
|                   |                          | <ul style="list-style-type: none"> <li>Literature review results of past projects and reports on traditional use plants of coastal Aboriginal Groups, including traditional use plants identified in Section 10 of the Pacific NorthWest LNG Addendum to the Environmental Impact Statement (Pacific NorthWest LNG 2014) and sources within. If traditional use (TU) or TK studies take place, the resulting data will also be included.</li> </ul>  | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource  | 4.6-17 – 4.6-21                    | Appendix I – Vegetation and Wetland Resources |
|                   |                          | <ul style="list-style-type: none"> <li>Terrestrial ecosystem mapping (TEM) to provincial standards using the Standard for Terrestrial Ecosystem Mapping in British Columbia (RIC 1998), and where applicable completed with incorporation of the Standard for Mapping Ecosystems at Risk in British Columbia: An Approach to Mapping Ecosystems at Risk and Other Sensitive Ecosystems (Resource Inventory Committee 2006)</li> </ul>  | Part B      | 4.6.3.1 – Methods  | 4.6-18 – 4.6-19                    |   |
|                   |                          | <ul style="list-style-type: none"> <li>Identification and classification of terrestrial ecosystems according to the Biogeoclimatic Ecosystem Classification (BEC) system and A Field Guide to Site Identification and Interpretation for the Prince Rupert Forest Region (Banner et al. 1993)</li> </ul>   | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource  | 4.6-17 – 4.6-21                    |   |
|                   |                          | <ul style="list-style-type: none"> <li>Identification and classification of wetland associations following Wetlands of British Columbia: A Guide to Identification (MacKenzie and Moran 2004)</li> </ul>   | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource  | 4.6-17 – 4.6-21                    |   |

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| AIR Section       |                                 | Description of Requirements of Relevant Section and/or Subsection  | Application |   |                                    | Appendix                                      |
|-------------------|---------------------------------|--|-------------|---|------------------------------------|---|
| No.               | Title                           |  | Volume      | Section No. (to the lowest sub-section no.) and Title           | Page No.                           |   |
| 4.6.3<br>(cont'd) | Existing Conditions<br>(cont'd) | ▪ An assessment of wetland functions following guidance in Wetlands Ecological Function Assessment: An Overview of Approaches (Hanson et al. 2008)   | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource | 4.6-17 – 4.6-21                    |   |
|                   |                                 | ▪ Data collected during field surveys used to verify the TEM, identify ecological communities at risk; describe and classify wetland and wetland function; identify stands of old forest; and record non-native invasive plant species, and traditional use plant species  | Part B      | 4.6.3.1 – Methods   | 4.6-18 – 4.6-19                    |   |
|                   |                                 | ▪ Targeted rare plant survey results   | Part B      | 4.6.3.1 – Methods   | 4.6-18 – 4.6-19                    |   |
|                   |                                 | ▪ Regional scale mapping from available sources to supplement the TEM information in the RAA and to use in identifying ecosystems sensitive to effects due to air emissions  | Part B      | 4.6.3.1 – Methods   | 4.6-18 – 4.6-19                    |   |
|                   |                                 | ▪ A review of the draft Prince Rupert Airshed Study (ESSA et al. 2015) and other recent studies (e.g., Pacific NorthWest LNG Soil Acidification and Eutrophication Sensitivity Assessment (Stantec 2014a))   | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource | 4.6-17 – 4.6-21                    |   |
|                   |                                 | ▪ Results from the Project’s soil acidification and eutrophication assessment, which will include soil sampling, lab analyses, and critical load analysis using a steady-state mass-balance model following UBA (2004) methodology and MOE (2014) guidance.  | Part B      | 4.6.3 – Existing Conditions for Vegetation and Wetland Resource | 4.6-17 – 4.6-21                    |   |
|                   |                                 | Detailed baseline information will be provided in a technical data report.   | Part B      |   |                                    | Appendix I – Vegetation and Wetland Resources |
|                   |                                 | The Application will characterize existing conditions by providing the following information:  | Part B      |   |                                    |   |
|                   |                                 | ▪ Presentation and summary of results of the 2014 vegetation and wetlands studies  | Part B      | 4.6.3.2 – Overview  | 4.6-19 – 4.6-21                    |   |
|                   |                                 | ▪ Summary of the results of the 2014 TEM study   | Part B      | 4.6.3.2 – Overview  | 4.6-19 – 4.6-21                    |   |
|                   |                                 | ▪ Summary of existing and available information on vegetation and wetland resources within the assessment areas. Sources of information that will be consulted include, but are not limited to: <ul style="list-style-type: none"><li>• North Coast TEM</li><li>• North Coast Predictive Ecosystem Mapping</li><li>• Vegetation Resources Inventory</li><li>• Broad Ecosystem Inventory</li><li>• Terrain Resource Information Management</li><li>• Rare Plant Occurrences: Plants listed by the CDC; threatened or endangered plant species under the Species at Risk Act and the COSEWIC. Known occurrences in the area will be researched via BC CDC search tools, UBC Herbarium, and other available sources (e.g., BC E flora).</li></ul> | Part B      | 4.6.3.2 – Overview<br>4.6.3.1 – Methods                         | 4.6-19 – 4.6-21<br>4.6-18 – 4.6-19 |   |
|                   |                                 | ▪ Invasive Plants (i.e., Plants listed by the Weed Control Act and the Northwest Invasive Plant Council reports) interactive websites, guides, aerial photos, fact sheets and databases (e.g., BC Species and Ecosystems Explorer and the Environmental Information Resources System).   | Part B      | 4.6.3.2 – Overview  | 4.6-19 – 4.6-21                    | Appendix I – Vegetation and Wetland Resources |

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| AIR Section       |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                                    | Appendix |
|-------------------|--|--|-------------|--|------------------------------------|----------|
| No.               | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                           |          |
| 4.6.3<br>(cont'd) | Existing Conditions<br>(cont'd)            | <ul style="list-style-type: none"> <li>Summary of existing and available information on vegetation communities sensitive to NO<sub>2</sub> and SO<sub>2</sub> air concentrations and to soil acidification and/or soil eutrophication. Sources of information that will be consulted include, but are not limited to: <ul style="list-style-type: none"> <li>Existing project information in the area or sector: e.g., Pacific NorthWest LNG Soil Acidification and Eutrophication Sensitivity Assessment (Stantec 2014a); LNG Canada Export Terminal Emissions Assessment for Soils and Vegetation Technical Data Report (Stantec 2014b); the draft Prince Rupert Airshed Study report (ESSA Technologies Ltd. 2015); Kitimat Airshed Study report (ESSA Technologies et al. 2014); STAR report (ESSA Technologies et al. 2013), Enbridge Gateway Acidification Assessment (Jacques Whitford AXYS 2010), Kitimat LNG Baseline Report (Jacques Whitford 2006)</li> <li>Relevant technical, regulatory and scientific publications related to vegetation effects from exposure to SO<sub>2</sub> and NO<sub>2</sub> above critical levels or from indirect effects via soil eutrophication and acidification. These reviews will focus on objectives and guidelines established for air quality and ecosystem health, including documents from Alberta Environment (AENV 2004, 2011a, and 2011b), World Health Organization (WHO 2000), the United States Environmental Protection Agency (USEPA 2012 and 2013), United Nations Economic Commission for Europe (UNECE 2007; UBA 2004) and other literature on the topic such as Bobbink et. al. (2010) and Cummings, et. al. (2014).</li> <li>Guidance issued by BC MOE regarding air quality assessment for LNG export facilities (BC MOE 2014c).</li> </ul> </li> </ul> | Part B      | 4.6.3.2 – Overview<br>4.6.3 – Existing Conditions for Vegetation and Wetland Resources   | 4.6-19 – 4.6-21<br>4.6-17 – 4.6-21 |          |
| 4.6.4             | Project Interaction                        | The Application will include a description of project interactions with vegetation and wetland resources, as identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.  | Part B      | 4.6.4 – Project Interactions with Vegetation and Wetland Resources   | 4.6-21 – 4.6-23                    |          |
| 4.6.5             | Assessment of Residual Effects             | <p>The assessment of residual project effects on vegetation and wetland resources will follow the methods outlined in Section 3.6 and will include:</p> <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> <li>A wetlands functions assessment</li> <li>A description of offsetting measures, including a draft conceptual wetland compensation plan if required by Environment Canada (following the Federal Policy on Wetland Conservation)</li> <li>Consideration of proposed mitigation and offsetting measures, in accordance with BC MOE (2014d) Environmental Mitigation Policy.</li> <li>Characterization of project-specific residual effects, including likelihood</li> </ul>   | Part B      | 4.6.5 – Assessment of Residual Effects on Vegetation and Wetland Resources<br>4.6.5.4 – Assessment of Change in Wetland Function | 4.6-23 – 4.6-56<br>4.6-47 – 4.6-55 |          |
| 4.6.6             | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on vegetation and wetland resources following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 4.6.6 – Assessment of Cumulative Effects on Vegetation and Wetland Resources   | 4.6-57 – 4.6-76                    |          |
| 4.6.7             | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on vegetation and wetland resources, according to the methodology described in Section 3.8.  | Part B      | 4.6.7.1 – Significance of Project Residual Effects<br>4.6.7.2 – Significance of Residual Cumulative Effects                      | 4.6-76<br>4.6-76 – 4.6-77          |          |
| 4.6.8             | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.6.6.6 – Summary of Cumulative Effects<br>4.6.7.2 – Significance of Residual Cumulative Effects                                 | 4.6-73 – 4.6-76<br>4.6-76 – 4.6-77 |          |
| 4.6.9             | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on vegetation and wetland resources.  | Part B      | 4.6.8 – Prediction Confidence  | 4.6-77 – 4.6-78                    |          |
| 4.6.10            | Conclusions                                | The Application will include a conclusion on the vegetation and wetland resources assessment, including a brief summary of proposed follow-up and monitoring programs.   | Part B      | 4.6.10 – Conclusions<br>4.6.9 – Follow-up and Monitoring   | 4.6-78 – 4.6-79<br>4.6-78          |          |

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Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |                                  | Description of Requirements of Relevant Section and/or Subsection   | Application |   |   | Appendix  |
|-------------|----------------------------------|---|-------------|---|---|---|
| No.         | Title                            |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |   |
| 4.7         | Wildlife Resources (Terrestrial) |   | Part B      |   |   |   |
| 4.7.1       | Introduction                     | The Application will provide an overview of the wildlife resources assessment and describe the rationale for its selection as a VC, the topics assessed under the Wildlife Resources VC, and the rationale for their selection. The Application will also identify which VCs wildlife resources are linked to and describe how the results of the assessment will be integrated into those of other VCs.  | Part B      | 4.7.1 – Introduction  | 4.7-1 – 4.7-2   |   |
|             |                                  | The assessment of wildlife resources will focus on ungulates and other large or small mammals, songbirds, raptors, amphibians and wetland birds. Within these groups, the following topics will be examined: <ul style="list-style-type: none"><li>Provincially and federally listed wildlife species at risk</li><li>Species of traditional use and importance</li><li>Other wildlife species of management concern</li><li>Migratory birds</li><li>Small mammals (e.g., bats)</li><li>Amphibians (e.g., western toad)</li></ul>                     | Part B      | 4.7.2 – Scope of the Assessment<br>4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)<br>4.7.5.2 – Assessment of Change in Habitat<br>4.7.5.3 – Assessment of Change in Mortality Risk<br>4.7.5.4 – Assessment of Change in Movement<br>4.7.6.3 – Cumulative Effects Assessment for Change in Habitat<br>4.7.6.4 – Cumulative Effects Assessment for Change in Mortality Risk<br>4.7.6.5 – Cumulative Effects Assessment for Change in Movement | 4.7-2 – 4.7-18<br>4.7-18 – 4.7-33<br>4.7-37 – 4.7-55<br>4.7-55 – 4.7-66<br>4.7-67 – 4.7-74<br>4.7-84 – 4.7-90<br>4.7-90 – 4.7-92<br>4.7-92 – 4.7-93 | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|             |                                  | Wildlife habitat will be assessed using two approaches. Wildlife habitat community modelling will evaluate wildlife use of the ecological communities that dominate the LAA.  | Part B      | 4.7.2.4 – Selection of Potential Effects and Measurable Parameters<br>4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)<br>4.7.5.2 – Assessment of Change in Habitat   | 4.7-9 – 4.7-10<br>4.7-18 – 4.7-33<br>4.7-37 – 4.7-55  | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|             |                                  | Detailed habitat suitability models will be developed for focal species. Rationale for selection of focal species considers several criteria, including: species are likely to use habitats in the LAA and RAA and have potential to interact with Project activities, are of ecological or traditional importance, and/or are of management concern. Habitat suitability models will be developed for: <ul style="list-style-type: none"><li>Marbled murrelet</li><li>Western screech-owl</li><li>Little brown myotis</li><li>Western toad</li></ul> | Part B      | 4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)  | 4.7-18 – 4.7-33   | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|             |                                  |   |             |   |   |   |
| 4.7.2       | Scope of Assessment              | The Application will define and describe the scope of the assessment of potential effects on the wildlife resources VC.   | Part B      | 4.7.2 – Scope of the Assessment   | 4.7-2 – 4.7-18  |   |
|             |                                  | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of wildlife resources; and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 4.7.2.1 – Regulatory and Policy Setting<br>4.7.2.2 – Influence of Consultation on the Assessment<br>4.7.2.3 – Traditional Knowledge and Traditional Use Incorporation   | 4.7-2 – 4.7-5<br>4.7-5 – 4.7-9<br>4.7-9   |   |
|             |                                  | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 4.7.2.2 – Influence of Consultation on the Assessment<br>4.7.2.3 – Traditional Knowledge and Traditional Use Incorporation<br>4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)  | 4.7-5 – 4.7-9<br>4.7-9<br>4.7-18 – 4.7-33   | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|             |                                  | This section of the Application will consider potential effects of the Project to migratory birds, as required under CEAA 2012 5(1)(a)(iii).  | Part B      | 4.7.2.1 – Regulatory and Policy Setting<br>4.7.2.2 – Influence of Consultation on the Assessment  | 4.7-2 – 4.7-5<br>4.7-5 – 4.7-9  |   |
|             |                                  | The assessment of wildlife resources will integrate the results of the water quality (freshwater), vegetation and wetland resources and the acoustic environment assessments, as these components may affect wildlife resources (e.g., habitat use by migratory birds and other terrestrial wildlife).  | Part B      | 4.7.1 – Introduction  | 4.7-1 – 4.7-2   |   |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section       |                                 | Description of Requirements of Relevant Section and/or Subsection   | Application |   |  | Appendix  |
|-------------------|---------------------------------|---|-------------|---|--|---|
| No.               | Title                           |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |   |
| 4.7.2<br>(cont'd) | Scope of Assessment<br>(cont'd) | The Application will identify and describe potential environmental effects that will be included in the assessment and the measurable parameters that will be used (Table 4-10 of the AIR).   | Part B      | 4.7.2.4 – Selection of Potential Effects and Measurable Parameters  | 4.7-9 – 4.7-10   |   |
|                   |                                 | The Application will identify and justify the spatial and temporal boundaries for the wildlife resources assessment. Spatial boundaries are described in Table 4-11 of the AIR and shown in Figure 3-6 (AIR). The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.  | Part B      | 4.7.2.5 – Boundaries  | 4.7-10 – 4.7-14  |   |
| 4.7.3             | Existing Conditions             | This section will present information about the existing conditions as outlined in Section 3.4.   | Part B      | 4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)  | 4.7-18 – 4.7-33  | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|                   |                                 | It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.  | Part B      | 4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)<br>4.7.5 – Assessment of Residual Effects on Wildlife Resources (Terrestrial)                              | 4.7-18 – 4.7-33<br>4.7-36 – 4.7-79                                       | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|                   |                                 | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.  | Part B      | 4.7.2.1 – Regulatory and Policy Setting   | 4.7-2 – 4.7-5  |   |
|                   |                                 | Available information on existing conditions will be integrated into the assessment for terrestrial wildlife and will be considered in combination with other information that may become available, where appropriate. Sources of information include: <ul style="list-style-type: none"> <li>Information on the abundance, distribution, and diversity of terrestrial wildlife species, occurrences wildlife species of management concern or traditional importance; and quality and quantity of wildlife habitat based on results of 2014 and 2015 field studies</li> <li>Assessment of habitat availability for wildlife in the LAA using habitat suitability modelling for key species based on TEM</li> <li>Summary of existing and available information on wildlife presence and habitat use found in reports, websites, guides, fact sheets, databases (e.g., CDC and BC Breeding Bird Atlas, and previous EAs for projects in the region)</li> <li>Summary of important wildlife habitat features such as breeding colonies, staging areas, mineral licks, and raptor stick nests</li> <li>Summary of information on provincially (red and blue listed) and federally (COSEWIC and SARA) listed wildlife species and species of conservation concern that have the potential to occur within the assessment area</li> <li>A list of wildlife species of cultural, spiritual or traditional importance to Aboriginal Groups that have the potential to occur within the assessment area</li> <li>Any other traditional ecological or community knowledge, where relevant and applicable</li> <li>Available TU / TK information</li> </ul> | Part B      | 4.7.2.3 – Traditional Knowledge and Traditional Use Incorporation<br>4.7.3 – Existing Conditions for Wildlife Resources (Terrestrial)                                       | 4.7-9<br>4.7-18 – 4.7-33   | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|                   |                                 | Detailed baseline information will be provided in a technical data report.  | Part B      |   |  | Appendix J – Wildlife Resources (Terrestrial) Technical Data Report |
|                   |                                 |   |             |   |  |   |
| 4.7.4             | Project Interactions            | The Application will include a description of project interactions with wildlife resources, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.  | Part B      | 4.7.4 – Project Interactions with Wildlife Resources (Terrestrial)  | 4.7-34 – 4.7-35  |   |
| 4.7.5             | Assessment of Residual Effects  | The assessment of project residual effects on wildlife resources will follow the methods outlined in Section 3.6: <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> <li>Characterization of project-specific residual effects, including likelihood</li> </ul>  | Part B      | 4.7.5.1 – Analytical Methods<br>4.7.5.2 – Assessment of Change in Habitat<br>4.7.5.3 – Assessment of Change in Mortality Risk<br>4.7.5.4 – Assessment of Change in Movement | 4.7-36 – 4.7-37<br>4.7-37 – 4.7-55<br>4.7-55 – 4.7-66<br>4.7-67 – 4.7-74 |   |

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Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                           | Appendix |
|-------------|--|--|-------------|--|---------------------------|----------|
| No.         | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                  |          |
| 4.7.6       | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on wildlife resources following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 4.7.6 – Assessment of Cumulative Effects on Wildlife Resources (Terrestrial)   | 4.7-81 – 4.7-95           |          |
| 4.7.7       | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on wildlife resources, according to the methodology described in Section 3.8.  | Part B      | 4.7.7.1 – Significance of Project Residual Effects<br>4.7.7.2 – Significance of Residual Cumulative Effects                | 4.7-96<br>4.7-97          |          |
| 4.7.8       | Project Contribution to Cumulative Effects | The Application will describe the proposed Project’s contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.7.6.6 – Summary of Cumulative Effects<br>4.7.7.2 – Significance of Residual Cumulative Effects                           | 4.7-94 – 4.7-95<br>4.7-97 |          |
| 4.7.9       | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on wildlife resources.  | Part B      | 4.7.8 – Prediction Confidence  | 4.7-97 – 4.7-98           |          |
| 4.7.10      | Conclusions                                | The Application will include a conclusion on the wildlife resources assessment, including a brief summary of proposed follow-up monitoring programs.   | Part B      | 4.7.9 – Follow-up and Monitoring<br>4.7.10 – Conclusions   | 4.7-98 – 4.7-99<br>4.7-99 |          |
| 4.8         | Freshwater Fish and Fish Habitat           |  | Part B      | 4.8 – Freshwater Fish and Fish Habitat   | 4.8-1 – 4.8-81            |          |
| 4.8.1       | Introduction                               | The Application will provide an overview of the freshwater fish and fish habitat assessment, describe the rationale for its selection as a VC, and a brief description of the linkages with other VCs.<br>The following topics will be discussed in the assessment: <ul style="list-style-type: none"><li>▪ Fish species at risk (provincially and federally listed)</li><li>▪ Traditional use freshwater species</li><li>▪ Freshwater fish habitat</li><li>▪ Freshwater fish that are part of, or support CRA fisheries</li><li>▪ Riparian vegetation</li></ul> | Part B      | 4.8.1 – Introduction   | 4.8-1 – 4.8-2             |          |
| 4.8.2       | Scope of Assessment                        | The Application will define and describe the scope of the assessment of potential effects on the Freshwater Fish and Fish Habitat VC.  | Part B      | 4.8.2 – Scope of Assessment  | 4.8-2 – 4.8-20            |          |
|             |  | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of freshwater fish and fish habitats, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 4.8.2.1 – Regulatory and Policy Setting  | 4.8-2 – 4.8-6             |          |
|             |  | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.8.2.2 – Influence of Consultation on the Assessment<br>4.8.2.3 – Traditional Knowledge and Traditional Use Incorporation | 4.8-6 – 4.8-9<br>4.8-9    |          |
|             |  | The focus will be on fish, as defined in the <i>Fisheries Act</i> (e.g., including shellfish and crustaceans), found in surface water bodies that are part of CRA, or that support such fisheries. The assessment of freshwater fisheries resources will consider project-related changes to surface water quality (which includes turbidity and sediment/substrate composition), as changes to this VC could affect fish habitat quality, fish health, and fish mortality.  | Part B      | 4.8.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.8-9 – 4.8-12            |          |
|             |  | The Application will identify and describe potential environmental effects that will be included in the assessment of freshwater fish and fish habitat VC and the measurable parameters that will be used (Table 4-12 of the AIR).   | Part B      | 4.8.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.8-9 – 4.8-12            |          |
|             |  | The Application will identify and justify the spatial and temporal boundaries for the freshwater fish and fish habitat assessment. Spatial boundaries are described in Table 4-13 of the AIR and shown in Figure 3-7 (AIR). The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 4.8.2.5 – Boundaries   | 4.8-13 – 4.8-16           |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |                                  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix                         |
|-------------|----------------------------------|--|-------------|--|---|----------------------------------|
| No.         | Title                            |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |                                  |
| 4.8.3       | Existing Conditions              | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provides a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.   | Part B      | 4.8.3 – Existing Conditions for Freshwater Fish and Fish Habitat   | 4.8-21 – 4.8-32                                       |                                  |
|             |                                  | <p>The sources of information on existing conditions will include:</p> <ul style="list-style-type: none"> <li>The results of the 2014 and 2015 freshwater fish and fish habitat field studies. Detailed results of completed field studies will be presented in the Freshwater Fish and Fish Habitat Technical Data Report. This will include information on the timing and location of each field study as well as data on abundance, distribution and habitat utilization for key CRA species, including seasonal variability.</li> <li>Existing and available information on fish distribution and abundance and fish habitat use within the assessment areas. Sources of information that will be consulted include but are not limited to reports, previous EAs for similar projects or other types of projects in the same region, interactive websites, guides, aerial photos, fact sheets and databases (e.g., BC Species and Ecosystems Explorer and the Environmental Information Resources System).</li> <li>Available TU / TK information</li> </ul> | Part B      | 4.8.3 – Existing Conditions for Freshwater Fish and Fish Habitat<br>4.8.3.1 – Methods<br>4.8.3.2 – Overview  | 4.8-21 – 4.8-32<br>4.8-21 – 4.8-23<br>4.8-24 – 4.8-30 | Appendix K – Freshwater Fish TDR |
|             |                                  | Detailed baseline information will be provided in a technical data report.   | Part B      | 4.8.3.2 – Overview   | 4.8-24 – 4.8-30                                       | Appendix K – Freshwater Fish TDR |
| 4.8.4       | Project Interactions             | The Application will include a description of project interactions with freshwater fish and fish habitat, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 4.8.4 – Project Interactions with Freshwater Fish and Fish Habitat   | 4.8-32 – 4.8-35                                       |                                  |
| 4.8.5       | Assessment of Residual Effects   | The assessment of residual project effects on freshwater fish and fish habitat will follow the methods outlined in Section 3.6:  | Part B      | 4.8.5 – Assessment of Residual Effects on Freshwater Fish and Fish Habitat   | 4.8-35 – 4.8-65                                       |                                  |
|             |                                  | <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> </ul>   | Part B      | 4.8.5 – Assessment of Residual Effects on Freshwater Fish and Fish Habitat<br>4.8.5.1 – Analytical Methods   | 4.8-35 – 4.8-65<br>4.8-35 – 4.8-36                    |                                  |
|             |                                  | <ul style="list-style-type: none"> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> </ul>  | Part B      | 4.8.5.2 – Assessment of Change in Fish Habitat<br>4.8.5.3 – Assessment of Change in Fish Mortality or Health<br>4.8.5.4 – Assessment of Change in Fish Abundance or Relative Abundance | 4.8-37 – 4.8-48<br>4.8-48 – 4.8-58<br>4.8-58 – 4.8-63 |                                  |
|             |                                  | <ul style="list-style-type: none"> <li>A description of offsetting measures, including a conceptual fish habitat offsetting plan if there are any project activities anticipated to result in unavoidable residual serious harm to fish requiring a <i>Fisheries Act</i> Authorization from DFO. The conceptual fish habitat offsetting plan will be developed in consultation with DFO and applicable stakeholders, including Aboriginal Groups.</li> </ul>   | Part B      | 4.8.5.2 – Assessment of Change in Fish Habitat<br>4.8.5.3 – Assessment of Change in Fish Mortality or Health<br>4.8.5.4 – Assessment of Change in Fish Abundance or Relative Abundance | 4.8-37 – 4.8-48<br>4.8-48 – 4.8-58<br>4.8-58 – 4.8-63 |                                  |
|             |                                  | <ul style="list-style-type: none"> <li>Characterization of residual effects for the project-alone case, including likelihood. The characterization of residual effects will include consideration of proposed mitigation and offsetting measures, in accordance with BC MOE (2014d) Environmental Mitigation Policy.</li> </ul>  | Part B      | 4.8.5.2 – Assessment of Change in Fish Habitat<br>4.8.5.3 – Assessment of Change in Fish Mortality or Health<br>4.8.5.4 – Assessment of Change in Fish Abundance or Relative Abundance | 4.8-37 – 4.8-48<br>4.8-48 – 4.8-58<br>4.8-58 – 4.8-63 |                                  |
| 4.8.6       | Assessment of Cumulative Effects | The Application will include an assessment of cumulative effects on freshwater fish and fish habitat following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 4.8.6 – Assessment of Cumulative Effects on Freshwater Fish and Fish Habitat   | 4.8-66 – 4.8-75                                       |                                  |
| 4.8.7       | Significance of Residual Effects | The Application will include a determination of significance of project-specific and cumulative effects on fish and fish habitat, according to the methodology described in Section 3.8.   | Part B      | 4.8.7 – Determination of Significance  | 4.8-75 – 4.8-76                                       |                                  |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                                | Appendix |
|-------------|--|--|-------------|--|--------------------------------|----------|
| No.         | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                       |          |
| 4.8.7.2     | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.8.7.2 – Significance of Residual Cumulative Effects  | 4.8-76                         |          |
| 4.8.8       | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on fish and fish habitat.   | Part B      | 4.8.8 – Prediction Confidence  | 4.8-76 – 4.8-77                |          |
| 4.8.9       | Follow-up and Monitoring                   | The Application will describe any recommended or required follow-up monitoring programs for freshwater fish and fish habitat   | Part B      | 4.8.9 – Follow-up and Monitoring   | 4.8-77                         |          |
| 4.8.10      | Conclusions                                | The Application will include a conclusion on the fish and fish habitat assessment.   | Part B      | 4.8.10 – Conclusions   | 4.8-77 – 4.8-78                |          |
| 4.9         | Marine Fish and Fish Habitat               |  | Part B      |  |                                |          |
| 4.9.1       | Introduction                               | The Application will provide an overview of the marine fish and fish habitat assessment, describe the rationale for its selection as a VC, and briefly describe the linkages with other VCs.   | Part B      | 4.9.1 – Introduction   | 4.9-1 – 4.9-2                  |          |
|             |  | The following topics will be discussed in this assessment: <ul style="list-style-type: none"><li>Marine fish habitat</li><li>Marine fish that are part of, or support, CRA fisheries</li><li>Marine fish species at risk</li><li>Traditional use marine fish species</li><li>Marine plants (e.g. eelgrass, seaweed and kelps, SARA-listed species)</li></ul>   | Part B      | 4.9.1 – Introduction   | 4.9-1 – 4.9-2                  |          |
| 4.9.2       | Scope of Assessment                        | The Application will define and describe the scope of the assessment of potential effects on the Marine Fish and Fish Habitat VC.  | Part B      | 4.9.2 – Scope of Assessment  | 4.9-2 – 4.9-17                 |          |
|             |  | The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of marine fish and fish habitats and describe how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.   | Part B      | 4.9.2.1 – Regulatory and Policy Setting<br>4.9.2.2 – Influence of Consultation on the Assessment                           | 4.9-2 – 4.9-5<br>4.9-5 – 4.9-6 |          |
|             |  | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.9.2.2 – Influence of Consultation on the Assessment<br>4.9.2.3 – Traditional Knowledge and Traditional Use Incorporation | 4.9-5 – 4.9-6<br>4.9-6 – 4.9-7 |          |
|             |  | The marine fish and fish habitat assessment will focus on potential effects of the LNG facility and marine terminal construction, operations and shipping activities on marine fish as defined in the <i>Fisheries Act</i> (e.g., including shellfish and crustaceans), that are part of commercial, recreational and Aboriginal (CRA) fisheries or that support such fisheries. In addition if disposal at sea is chosen as the means for disposing of dredgeate the potential effects of this activity on marine fish and fish habitat will be assessed based on direction received from Environment Canada. | Part B      | 4.9.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.9-7 – 4.9-10                 |          |
|             |  | The Application will identify and describe potential environmental effects that will be included in the assessment of marine fish and fish habitat and the measurable parameters that will be used (Table 4-14 of the AIR).  | Part B      | 4.9.2.4 – Selection of Potential Effects and Measurable Parameters   | 4.9-7 – 4.9-10                 |          |
|             |  | The Application will identify and justify the spatial and temporal boundaries for the marine fish and fish habitat assessment. Spatial boundaries are described in Table 4-15 of the AIR and shown in Figure 3-8 (AIR). The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 4.9.2.5 – Boundaries   | 4.9-11 – 4.9-14                |          |
| 4.9.3       | Existing Conditions                        | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. A summary of the regulatory context for managing the VC is provided in Table 3 1 and will be summarized in the Application.   | Part B      | 4.9.3 – Existing Conditions for Marine Fish and Fish Habitat   | 4.9-17 – 4.9-27                |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section       |                                 | Description of Requirements of Relevant Section and/or Subsection  | Application |  |  | Appendix  |
|-------------------|---------------------------------|--|-------------|--|--|---|
| No.               | Title                           |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |   |
| 4.9.3<br>(cont'd) | Existing Conditions<br>(cont'd) | <p>The sources of information on existing conditions will include:</p> <ul style="list-style-type: none"> <li>Results of 2014 and 2015 intertidal, subtidal, and marine fish field studies. Detailed results of completed field studies will be presented in the Marine Fish and Fish Habitat Technical Data Report. This will include information on the timing and location of each field study as well as data on abundance, distribution and habitat utilization for key CRA species.</li> <li>Ambient underwater noise levels obtained from a 2014 underwater noise monitoring study</li> <li>Sediment dispersion modelling will be included in the Application to support the assessment of potential effects associated with dredging, and disposal at sea (if applicable).</li> <li>Results from the hydrodynamic modelling study</li> <li>A review of existing and available information on ecological communities and marine fish habitats in the assessment areas, gathered from technical reports, previous published EAs for similar projects or other types of projects in the same region, academic literature and databases (e.g., DFO information databases [e.g., Mapster], Coastal Information Resource System (CRIMS), BC Marine Conservation Analysis)</li> <li>Descriptions of key CRA marine fishery species likely to occur within the assessment areas (e.g., Pacific salmon, Pacific herring, Dungeness crab)</li> <li>Federally listed species and species of conservation concern identified through a query of the SARA registry, COSEWIC assessments, and the BC CDC, and that are likely to occur within the assessment areas</li> <li>Available TU / TK information</li> </ul> | Part B      | 4.9.3 – Existing Conditions for Marine Fish and Fish Habitat   | 4.9-17 – 4.9-27  |   |
|                   |                                 | Detailed baseline information will be provided in a technical data report.   | Part B      |  |  | Appendix L – Marine Fish and Fish Habitat Technical Data Report |
| 4.9.4             | Project Interactions            | The Application will include a description of project interactions with marine fish and fish habitat, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 4.9.4 – Project Interactions with Marine Fish and Fish Habitat   | 4.9-27 – 4.9-29  |   |
| 4.9.5             | Assessment of Residual Effects  | The assessment of residual project effects on marine fish and fish habitat will follow the methods outlined in Section 3.6 and will include:   | Part B      | 4.9.5 – Assessment of Residual Effects on Marine Fish and Fish Habitat   | 4.9-29 – 4.9-108   |   |
|                   |                                 | <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> </ul>   | Part B      | 4.9.5.1 – Analytical Methods<br>4.9.5.2 – Assessment of Change in Habitat<br>4.9.5.3 – Assessment of Change in Behaviour<br>4.9.5.4 – Assessment for Change in Mortality Risk<br>4.9.5.5 – Assessment for Change in Health | 4.9-29 – 4.9-30<br>4.9-30 – 4.9-61<br>4.9-62 – 4.9-78<br>4.9-78 – 4.9-95<br>4.9-95 – 4.9-106 |   |
|                   |                                 | <ul style="list-style-type: none"> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> </ul>  | Part B      | 4.9.5.2 – Assessment of Change in Habitat<br>4.9.5.3 – Assessment of Change in Behaviour<br>4.9.5.4 – Assessment for Change in Mortality Risk<br>4.9.5.5 – Assessment for Change in Health                                 | 4.9-30 – 4.9-61<br>4.9-62 – 4.9-78<br>4.9-78 – 4.9-95<br>4.9-95 – 4.9-106                    |   |
|                   |                                 | <ul style="list-style-type: none"> <li>A description of offsetting measures, including a conceptual fish habitat offsetting plan if there are any project activities anticipated to result in unavoidable residual serious harm to fish requiring a <i>Fisheries Act</i> Authorization from DFO. The conceptual fish habitat offsetting plan will be developed in consultation with DFO and applicable stakeholders, including Aboriginal Groups.</li> </ul>   | Part B      | 4.9.5.2 – Assessment of Change in Habitat<br>4.9.5.4 – Assessment for Change in Mortality Risk   | 4.9-30 – 4.9-61<br>4.9-78 – 4.9-95   | Appendix V – Conceptual Fish Habitat Offsetting Plan            |
|                   |                                 | <ul style="list-style-type: none"> <li>Characterization of project-specific residual effects, including likelihood. The characterization of residual effects will include consideration of proposed mitigation and offsetting measures, in accordance with BC MOE (2014d) Environmental Mitigation Policy.</li> </ul>  | Part B      | 4.9.5.2 – Assessment of Change in Habitat<br>4.9.5.3 – Assessment of Change in Behaviour<br>4.9.5.4 – Assessment for Change in Mortality Risk<br>4.9.5.5 – Assessment for Change in Health                                 | 4.9-30 – 4.9-61<br>4.9-62 – 4.9-78<br>4.9-78 – 4.9-95<br>4.9-95 – 4.9-106                    |   |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |  | Appendix  |
|-------------|--|--|-------------|---|--|---|
| No.         | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |   |
| 4.9.6       | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on marine fish and fish habitat following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7. | Part B      | 4.9.6 – Assessment of Cumulative Effects on Marine Fish and Fish Habitat  | 4.9-108 – 4.9-119  |   |
| 4.9.7       | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on marine fish and fish habitat, according to the methodology described in Section 3.8.  | Part B      | 4.9.7 – Determination of Significance   | 4.9-120 – 4.9-122  |   |
| 4.9.8       | Project Contribution to Cumulative Effects | The Application will describe the proposed Project’s contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.9.6.2 – Project Contribution to Cumulative Effects  | 4.9-110 – 4.9-111  |   |
| 4.9.9       | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on marine fish and fish habitat.  | Part B      | 4.9.8 - Prediction Confidence   | 4.9-122 – 4.9-123  |   |
| 4.9.9       | Follow-up and Monitoring                   | The Application will describe any recommended or required follow-up monitoring programs for marine fish and fish habitat to assess the accuracy of the environmental assessment predictions and the effectiveness of the proposed mitigation measures  | Part B      | 4.9.9 – Follow up and Monitoring  | 4.9-124  |   |
| 4.9.10      | Conclusions                                | The Application will include a conclusion on the marine fish and fish habitat assessment, including a brief summary of proposed follow-up and monitoring programs.   | Part B      | 4.9.10 – Conclusions  | 4.9-124  |   |
| 4.10        | Marine Wildlife- Marine Mammals            |  | Part B      |   |  |   |
| 4.10.1      | Introduction                               | The Application will provide a brief overview of the marine mammal assessment, describe the rationale for its selection as a VC, and briefly describe the linkages with other VCs.   |             | 4.10-1 – Introduction   | 4.10-1 – 4.10 -2   |   |
|             |  | The marine wildlife assessment will include the following sub-components: <ul style="list-style-type: none"><li>Marine mammals</li></ul>   | Part B      | 4.10 – Marine Mammals   | 4.10-1 – 4.10-99   |   |
|             |  | The following topics will be discussed in this assessment: <ul style="list-style-type: none"><li>Marine mammals at risk</li><li>Other marine mammal of management concern</li><li>Traditional use marine mammal species</li></ul>  | Part B      | 4.10.2.1 – Regulatory and Policy Setting<br>4.10.3 – Existing Conditions for Marine Mammals<br>4.10.5 – Assessment of Residual Effects on Marine Mammals<br>4.10.6 – Assessment of Cumulative Effects on Marine Mammals | 4.10-2–4.10-3<br>4.10-18–4.10-27<br>4.10-30–4.10-73<br>4.10-75–4.10-84 |   |
| 4.10.2      | Scope of Assessment                        | The Application will define and describe the scope of the assessment of potential effects on the marine mammal VC.   | Part B      | 4.10.2 – Scope of Assessment  | 4.10-2 – 4.10-18   |   |
|             |  | The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of marine mammals and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.   | Part B      | 4.10.2.1 – Regulatory and Policy Setting<br>4.10.3 – Existing Conditions for Marine Mammals<br>4.10.5 – Assessment of Residual Effects on Marine Mammals  | 4.10-2–4.10-3<br>4.10-18–4.10-27<br>4.10-30–4.10-73                    |   |
|             |  | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.10.2.2 – Influence of Consultation on the Assessment<br>4.10.2.3 – Traditional Knowledge and Traditional Use Incorporation<br>4.10.3 – Existing Conditions for Marine Mammals   | 4.10-3–4.10-6<br>4.10-6<br>4.10-18–4.10-27                             | Appendix N – Marine Mammals Technical Data Report |
|             |  | The assessment will focus on potential effects caused by the LNG facility and shipping activities. The Application will identify and describe potential environmental effects and measurable parameters for the assessment of the marine mammal sub-components (Table 4-16 and Table 4-17 of the AIR, respectively).   | Part B      | 4.10.2.4 – Selection of Potential Effects and Measurable Parameters<br>4.10.4 – Project Interactions with Marine Mammals  | 4.10-6–4.10-8<br>4.10-27–4.10-29                                       |   |
|             |  | The Application will identify and justify the spatial and temporal boundaries for the marine mammal assessment. Spatial boundaries are described in Table 4-18 of the AIR and are shown in Figure 3-9 and Figure 3-10 (AIR).   | Part B      | 4.10.2.5 – Boundaries   | 4.10-8 – 4.10-15   |   |
|             |  | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 4.10.2.5 – Boundaries   | 4.10-8 – 4.10-15   |   |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |                     | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                                    | Appendix  |
|-------------|---------------------|--|-------------|--|------------------------------------|---|
| No.         | Title               |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                           |   |
| 4.10.3      | Existing Conditions | This section will present information as outlined in Section 3.4 about the existing conditions.  | Part B      | 4.10.3 – Existing Conditions for Marine Mammals  | 4.10-18–4.10-27                    | Appendix O – Prince Rupert - Aurora LNG Acoustic Monitoring Study: Chatham Sound Region<br>Appendix N – Marine Mammals Technical Data Report  |
|             |                     | It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.   | Part B      | 4.10.3 – Existing Conditions for Marine Mammals<br>4.10.5 – Assessment of Residual Effects on Marine Mammals | 4.10-18–4.10-27<br>4.10-30–4.10-73 | Appendix P – Aurora LNG Acoustic Study: Modelling of Underwater Sounds from Pile Driving, Rock Socket Drilling, and LNG Carrier Berthing and Transiting   |
|             |                     | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.   | Part B      | 4.10.2.1 – Regulatory and Policy Setting   | 4.10-2–4.10-3                      | Appendix P – Aurora LNG Acoustic Study: Modelling of Underwater Sounds from Pile Driving, Rock Socket Drilling, and LNG Carrier Berthing and Transiting   |
|             |                     | The sources of information on existing conditions will include: <ul style="list-style-type: none"> <li>Marine mammal and abundance within the assessment areas based on 2014 and 2015 field surveys</li> <li>Ambient underwater noise levels obtained from a 2014 underwater noise monitoring study</li> <li>A review of existing and available information on the ecology, distribution and abundance of marine mammals and birds within the assessment areas, gathered from technical reports, previous EAs for similar projects or other types of projects in the same region, academic literature and databases (e.g., DFO information databases [e.g., Mapster], BC Cetacean Sighting Network, CRIMS, BC Marine Conservation Analysis)</li> <li>Descriptions of important habitat for marine mammals as identified through a literature review</li> <li>A review of federally listed species and species of conservation concern identified through a query of the SARA registry, COSEWIC assessments and the CDC</li> <li>Available TU / TK information</li> </ul> | Part B      | 4.10.3 – Existing Conditions for Marine Mammals  | 4.10-18–4.10-27                    | Appendix N – Marine Mammals Technical Data Report<br>Appendix O – Prince Rupert - Aurora LNG Acoustic Monitoring Study: Chatham Sound Region<br>Appendix P – Aurora LNG Acoustic Study: Modelling of Underwater Sounds from Pile Driving, Rock Socket Drilling, and LNG Carrier Berthing and Transiting |
|             |                     | Detailed baseline information will be provided in a technical data report.   | Part B      |  |                                    | Appendix N – Marine Mammals Technical Data Report<br>Appendix O – Prince Rupert - Aurora LNG Acoustic Monitoring Study: Chatham Sound Region<br>Appendix P – Aurora LNG Acoustic Study: Modelling of Underwater Sounds from Pile Driving, Rock Socket Drilling, and LNG Carrier Berthing and Transiting |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix  |
|-------------|--|--|-------------|--|---|---|
| No.         | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |   |
| 4.10.4      | Project Interactions                       | The Application will include a description of project interactions with marine mammals, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 4.10.4 – Project Interactions with Marine Mammals  | 4.10-27–4.10-29                                       |   |
| 4.10.5      | Assessment of Residual Effects             | The assessment of residual project effects on marine mammals will follow the methods outlined in Section 3.6 and will include:   | Part B      | 4.10.5 – Assessment of Residual Effects on Marine Mammals  | 4.10-30–4.10-73                                       |   |
|             |  | ▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment   | Part B      | 4.10.5.1 – Analytical Methods  | 4.10-30–4.10-35                                       | Appendix P – Aurora LNG Acoustic Study: Modelling of Underwater Sounds from Pile Driving, Rock Socket Drilling, and LNG Carrier Berthing and Transiting |
|             |  | ▪ A description of mitigation measures, relevant management plans and linkages to other sections of the Application  | Part B      | 4.10.5.2 – Assessment of Change in Health<br>4.10.5.3 – Assessment of Change in Behaviour<br>4.10.5.4 – Assessment of Change in Mortality Risk | 4.10-36–4.10-49<br>4.10-49–4.10-64<br>4.10-65–4.10-70 |   |
|             |  | ▪ Characterization of project-specific residual effects, including likelihood  | Part B      | 4.10.5.2 – Assessment of Change in Health<br>4.10.5.3 – Assessment of Change in Behaviour<br>4.10.5.4 – Assessment of Change in Mortality Risk | 4.10-36–4.10-49<br>4.10-49–4.10-64<br>4.10-65–4.10-70 |   |
| 4.10.6      | Assessment of Cumulative Effects           | ▪ The Application will include an assessment of cumulative effects on marine mammals following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7. | Part B      | 4.10.6 – Assessment of Cumulative Effects on Marine Mammals  | 4.10-75–4.10-84                                       |   |
| 4.10.7      | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on marine mammals, according to the methodology described in Section 3.8.  | Part B      | 4.10.7 – Determination of Significance   | 4.10-85–4.10-88                                       |   |
| 4.10.8      | Project Contribution to Cumulative Effects | The Application will describe the proposed Project’s contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.10.6 – Assessment of Cumulative Effects on Marine Mammals<br>4.10.7.2 – Significance of Residual Cumulative Effects                          | 4.10-75–4.10-84<br>4.10-88                            |   |
| 4.10.9      | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on marine mammals.  | Part B      | 4.10.8 – Prediction Confidence   | 4.10-89   |   |
| 4.10.10     | Conclusions                                | The Application will include a conclusion on the marine mammal assessment, including a brief summary of proposed follow-up monitoring programs.  | Part B      | 4.10.9 – Follow-up and Monitoring<br>4.10.10 – Conclusions   | 4.10-90<br>4.10-90                                    |   |
| 4.11        | Marine Wildlife – Marine Birds             |  | Part B      |  |   |   |
| 4.11.1      | Introduction                               | The Application will provide a brief overview of the marine wildlife assessment, describe the rationale for its selection as a VC, and briefly describe the linkages with other VCs.   | Part B      | 4.11.1 – Introduction  | 4.11-1–4.11-2   |   |
|             |  | ▪ The marine wildlife assessment will include the following sub-components: Marine birds   | Part B      | 4.11 – Marine Birds  | 4.11-1–4.11-63  |   |

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| AIR Section        |                       | Description of Requirements of Relevant Section and/or Subsection  | Application |   |   | Appendix  |
|--------------------|-----------------------|--|-------------|---|---|---|
| No.                | Title                 |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |   |
| 4.11.1<br>(cont'd) | Introduction (cont'd) | The following topics will be discussed in this assessment: <ul style="list-style-type: none"> <li>Marine bird species at risk</li> <li>Other marine bird species of management concern</li> <li>Traditional use marine bird species</li> <li>Migratory marine bird species</li> </ul>                              | Part B      | 4.11.2 – Scope of Assessment<br>4.11.3 – Existing Conditions for Marine Birds<br>4.11.5.2 – Assessment of Change in Habitat<br>4.11.5.3 – Assessment of Change in Mortality Risk<br>4.11.5.4 – Assessment of Change in Behaviour<br>4.11.6.3 – Cumulative Effects Assessment for Change in Habitat<br>4.11.6.4 – Cumulative Effects Assessment for Change in Mortality Risk<br>4.11.6.5 – Cumulative Effects Assessment for Change in Behaviour | 4.11-2–4.11-15<br>4.11-15–4.11-19<br>4.11-23–4.11-28<br>4.11-28–4.11-36<br>4.11-36–4.11-41<br>4.11-49–4.11-51<br>4.11-51–4.11-52<br>4.11-53–4.11-54 | Appendix Q – Marine Birds Technical Data Report |
| 4.11.2             | Scope of Assessment   | The Application will define and describe the scope of the assessment of potential effects on the marine bird VC.   | Part B      | 4.11.2 – Scope of Assessment  | 4.11-2 – 4.11-15  |   |
|                    |                       | The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of marine birds, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 4.11.2.1 – Regulatory and Policy Setting<br>4.11.2.2 – Influence of Consultation on the Assessment<br>4.11.2.3 – Traditional Knowledge and Traditional Use Incorporation  | 4.11-2–4.11-4<br>4.11-4–4.11-5<br>4.11-7  |   |
|                    |                       | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 4.11.2.2 – Influence of Consultation on the Assessment<br>4.11.2.3 – Traditional Knowledge and Traditional Use Incorporation<br>4.11.3 – Existing Conditions for Marine Birds   | 4.11-4–4.11-5<br>4.11-7<br>4.11-15–4.11-19  | Appendix Q – Marine Birds Technical Data Report |
|                    |                       | The assessment will focus on potential effects caused by the LNG facility and shipping activities. The Application will identify and describe potential environmental effects and measurable parameters for the assessment of the marine bird sub-components (Table 4-16 and Table 4-17 of the AIR, respectively). | Part B      | 4.11.2.4 – Selection of Potential Effects and Measurable Parameters<br>4.11.4 – Project Interactions with Marine Birds  | 4.11-7–4.11-8<br>4.11-19–4.11-22  |   |
|                    |                       | The Application will identify and justify the spatial and temporal boundaries for the marine bird assessment. Spatial boundaries are described in Table 4-18 of the AIR and are shown in Figure 3-9 and Figure 3-10 (AIR).   | Part B      | 4.11.2.5 – Boundaries   | 4.11-8–4.11-11  |   |
|                    |                       | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 4.11.2.5 – Boundaries   | 4.11-8–4.11-11  |   |
| 4.11.3             | Existing Conditions   | This section will present information as outlined in Section 3.4 about the existing conditions.  | Part B      | 4.11.3 – Existing Conditions for Marine Birds   | 4.11-15–4.11-19   | Appendix Q – Marine Birds Technical Data Report |
|                    |                       | It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.             | Part B      | 4.11.3 – Existing Conditions for Marine Birds<br>4.11.5 – Assessment of Residual Effects on Marine Birds  | 4.11-15–4.11-19<br>4.11-22–4.11-45  | Appendix Q – Marine Birds Technical Data Report |
|                    |                       | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.   | Part B      | 4.11.2.1 – Regulatory and Policy Setting  | 4.11-2–4.11-4   |   |

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| AIR Section        |   | Description of Requirements of Relevant Section and/or Subsection  | Application |   |   | Appendix  |
|--------------------|---|--|-------------|---|---|---|
| No.                | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |   |
| 4.11.3<br>(cont'd) | Existing Conditions<br>(cont'd)                       | The sources of information on existing conditions will include: <ul style="list-style-type: none"><li>Marine bird distribution and abundance within the assessment areas based on 2014 and 2015 field surveys</li><li>Ambient underwater noise levels obtained from a 2014 underwater noise monitoring study</li><li>A review of existing and available information on the ecology, distribution and abundance of marine birds within the assessment areas, gathered from technical reports, previous EAs for similar projects or other types of projects in the same region, academic literature and databases (e.g., DFO information databases [e.g., Mapster], BC Cetacean Sighting Network, CRIMS, BC Marine Conservation Analysis)</li><li>Descriptions of important habitat for marine birds as identified through a literature review</li><li>A review of federally listed species and species of conservation concern identified through a query of the SARA registry, COSEWIC assessments and the CDC</li><li>Available TU / TK information</li></ul> | Part B      | 4.11.2.3 – Traditional Knowledge and Traditional Use Incorporation<br>4.11.3 – Existing Conditions for Marine Birds                             | 4.11-7<br>4.11-15–4.11-19                             | Appendix Q – Marine Birds Technical Data Report |
|                    |   | Detailed baseline information will be provided in a technical data report.   | Part B      |   |   | Appendix Q – Marine Birds Technical Data Report |
| 4.11.4             | Project Interactions                                  | The Application will include a description of project interactions with marine birds, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 4.11.4 – Project Interactions with Marine Birds   | 4.11-19–4.11-22                                       |   |
| 4.11.5             | Assessment of Residual Effects                        | The assessment of residual project effects on marine birds will follow the methods outlined in Section 3.6 and will include:   | Part B      | 4.11.5 – Assessment of Residual Effects on Marine Birds   | 4.11-22–4.11-45                                       |   |
|                    |   | <ul style="list-style-type: none"><li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li></ul>   | Part B      | 4.11.5.1 – Analytical Methods   | 4.11-22–4.11-23                                       |   |
|                    |   | <ul style="list-style-type: none"><li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li></ul>  | Part B      | 4.11.5.2 – Assessment of Change in Habitat<br>4.11.5.3 – Assessment of Change in Mortality Risk<br>4.11.5.4 – Assessment of Change in Behaviour | 4.11-23–4.11-28<br>4.11-28–4.11-36<br>4.11-36–4.11-41 |   |
|                    |   | <ul style="list-style-type: none"><li>Characterization of project-specific residual effects, including likelihood</li></ul>  | Part B      | 4.11.5.2 – Assessment of Change in Habitat<br>4.11.5.3 – Assessment of Change in Mortality Risk<br>4.11.5.4 – Assessment of Change in Behaviour | 4.11-23–4.11-28<br>4.11-28–4.11-36<br>4.11-36–4.11-41 |   |
| 4.11.6             | Assessment of Cumulative Effects                      | The Application will include an assessment of cumulative effects on marine birds following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 4.11.6 – Assessment of Cumulative Effects on Marine Birds   | 4.11-47–4.11-55                                       |   |
| 4.11.7             | Significance of Residual Effects                      | The Application will include a determination of significance of project-specific and cumulative effects on marine birds, according to the methodology described in Section 3.8.  | Part B      | 4.11.7.1 – Significance of Project Residual Effects<br>4.11.7.2 – Significance of Residual Cumulative Effects                                   | 4.11-56<br>4.11-57                                    |   |
| 4.11.8             | Project Contribution to Cumulative Effects            | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 4.11.6.6 – Summary of Cumulative Effects on Marine Birds<br>4.11.7.2 – Significance of Residual Cumulative Effects                              | 4.11-54<br>4.11-57                                    |   |
| 4.11.9             | Prediction Confidence                                 | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on marine birds.  | Part B      | 4.11.8 – Prediction Confidence  | 4.11-57   |   |
| 4.11.10            | Conclusions   | The Application will include a conclusion on the marine birds assessment, including a brief summary of proposed follow-up monitoring programs.   | Part B      | 4.11.9 – Follow-up and Monitoring<br>4.11.10 – Conclusions  | 4.11-58<br>4.11-58                                    |   |
| 4.12               | Assessment Summary of Potential Environmental Effects | The Application will provide a summary table of predicted residual environmental effects of the proposed Project and their significance (in the format of Table 4-19 of the AIR). A summary of cumulative effects of the proposed Project on the environmental VCs will be provided in the Application.  | Part B      | 4.12 – Summary of Potential Environmental Effects   | 4.12-1 – 4.12-18                                      |   |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                                    | Appendix |
|-------------|---|--|-------------|--|------------------------------------|----------|
| No.         | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                           |          |
| <b>5</b>    | <b>Assessment of Potential Economic Effects</b> |  |             |  |                                    |          |
|             |   | The assessment of project potential economic effects will follow the methods described in Section 3 of the AIR and the Application.  | Part B      |  |                                    |          |
| 5.1         | Economic Background                             | The Application will include a description of the existing economic environment in the vicinity of the proposed Project and surrounding areas. More details will be provided in the existing conditions section for the Economic Conditions VC.  | Part B      | 5.1 – Economic Background  | 5.1-1                              |          |
| 5.2         | Economic Conditions                             |  | Part B      |  | 5.2-1 – 5.2-2                      |          |
| 5.2.1       | Introduction                                    | The Application will provide a brief overview of the economic conditions assessment, describe the rationale for its selection as a VC, and describe the linkages with other VCs.   | Part B      | 5.2.1 – Introduction   | 5.2-2 – 5.2-3                      |          |
|             |   | The economic conditions assessment will focus on how the proposed Project will affect local and regional economic activities and development and will include reference to the following topics:   | Part B      | 5.2.3.2 – Overview   | 5.2-15 – 5.2-52                    |          |
|             |   | ▪ Local and regional employment (including human resource capacity)  | Part B      | 5.2.5.1 – Assessment of Change in Labour Supply and Demand   | 5.2-55 – 5.2-66                    |          |
|             |   | ▪ Commercial economic activity   | Part B      | 5.2.5.2 – Assessment of Change in Activities for Commercial Businesses Affected by Project Spending                        | 5.2-66 – 5.2-75                    |          |
|             |   | ▪ Resource-based economic activity   | Part B      | 5.2.5.3 – Assessment of change in Resource-based Primary and Subsistence Economies   | 5.2-75 – 5.2-86                    |          |
| 5.2.2       | Scope of Assessment                             | The Application will define and describe the scope of the assessment of potential effects on Economic Conditions VC as outlined in Section 3.4.  | Part B      | 5.2.2 – Scope of Assessment  | 5.2-3 – 5.2-13                     |          |
|             |   | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of economic conditions, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 5.2.2.1 – Regulatory and Policy Setting<br>5.2.2.2 – Influence of Consultation on the Assessment                           | 5.2-3 – 5.2-4<br>5.2-4 – 5.2-5     |          |
|             |   | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 5.2.2.2 – Influence of Consultation on the Assessment<br>5.2.2.3 – Traditional Knowledge and Traditional Use Incorporation | 5.2-4 – 5.2-5<br>5.2-6             |          |
|             |   | The Application will identify (Table 5-1 of the AIR) and describe the project adverse effects and measurable parameters for the economic conditions assessment.  | Part B      | 5.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 5.2-6 – 5.2-7                      |          |
|             |   | The Application will identify and justify the spatial and temporal boundaries for the economic conditions assessment. Spatial boundaries are described in Table 5-2 of the AIR and are shown in Figure 3-11 (AIR).   | Part B      | 5.2.2.5 – Boundaries   | 5.2-7 – 5.2-11                     |          |
|             |   | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 5.2.2.5 – Boundaries   | 5.2-7 – 5.2-11                     |          |
| 5.2.3       | Existing Conditions for Economic Conditions     | The Application will present information about the existing conditions, identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.   | Part B      | 5.2.3 – Existing Conditions for Economic Conditions<br>5.2.3.3 – Summary   | 5.2-14 – 5.2-53<br>5.2-52 – 5.2-53 |          |
|             |   | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.   | Part B      | 5.2.2.1 – Regulatory and Policy Setting  | 5.2-3 – 5.2-4                      |          |
|             |   | The sources of information on existing conditions will include:  | Part B      |  |                                    |          |
|             |   | ▪ A review of existing and available information on the economy and economic conditions for communities of interest. Sources of information that will include but are not limited to Statistics Canada and BC Stats, BC Trade Associations, industry reports, local and regional economic development plans and forecasts and publically available information on the economy and economic conditions collected for other proposed projects in the area. | Part B      | 5.2.3.1 – Methods<br>5.2.3.2 – Overview  | 5.2-14<br>5.2-15 – 5.2-52          |          |

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| AIR Section       |   | Description of Requirements of Relevant Section and/or Subsection   | Application |  |   | Appendix |
|-------------------|---|---|-------------|--|---|----------|
| No.               | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 5.2.3<br>(cont'd) | Existing Conditions for Economic Conditions<br>(cont'd) | ▪ Primary research data collected through methods such as key person interviews, surveys, and workshops.  | Part B      |  |   |          |
|                   |   | Where available, disaggregated data will be presented.  | Part B      | 5.2.3.2 – Overview   | 5.2-15 – 5.2-52   |          |
| 5.2.4             | Project Interactions                                    | The Application will include a description of project interactions with economic conditions, following the methods outlined in Section 3.5.   | Part B      | 5.2.4 – Project Interactions with Economic Conditions  | 5.2-53 – 5.2-55   |          |
| 5.2.5             | Assessment of Residual Effects                          | The assessment of residual project effects on economic conditions will follow the methods outlined in Section 3.6 and will include:   | Part B      |  |   |          |
|                   |   | ▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment  | Part B      | 5.2.5.1 – Assessment of Change in Labour Supply and Demand<br>5.2.5.2 – Assessment of Change in Activities for Commercial Businesses Affected by Project Spending<br>5.2.5.3 – Assessment of Change in Resource-based Effects on Economic Conditions   | 5.2-55 – 5.2-66<br>5.2-66 – 5.2-75<br>5.2-75 – 5.2-86           |          |
|                   |   | ▪ A description of mitigation measures  | Part B      | 5.2.5.1 – Assessment of Change in Labour Supply and Demand<br>5.2.5.2 – Assessment of Change in Activities for Commercial Businesses Affected by Project Spending<br>5.2.5.3 – Assessment of Change in Resource-based Effects on Economic Conditions   | 5.2-55 – 5.2-66<br>5.2-66 – 5.2-75<br>5.2-75 – 5.2-86           |          |
|                   |   | ▪ Characterization of project-specific residual effects   | Part B      | 5.2.5.1 – Assessment of Change in Labour Supply and Demand<br>5.2.5.2 – Assessment of Change in Activities for Commercial Businesses Affected by Project Spending<br>5.2.5.3 – Assessment of Change in Resource-based Effects on Economic Conditions<br>5.2.5.4 – Summary of Project Residual Effects on Economic Conditions | 5.2-55 – 5.2-66<br>5.2-66 – 5.2-75<br>5.2-75 – 5.2-86<br>5.2-87 |          |
| 5.2.6             | Assessment of Cumulative Effects                        | The Application will include an assessment of cumulative effects on economic conditions following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7. | Part B      | 5.2.6 – Assessment of Cumulative Effects on Economic Conditions  | 5.2-88 – 5.2-97   |          |
| 5.2.7             | Significance of Residual Effects                        | The Application will include a determination of significance of project and cumulative effects on economic conditions, according to the methodology described in Section 3.8.   | Part B      | 5.2.7 – Determination of Significance  | 5.2-98 – 5.2-99   |          |
| 5.2.8             | Project Contribution to Cumulative Effects              | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).   | Part B      | 5.2.6.2 – Project Contribution to Cumulative Effects   | 5.2-90  |          |
| 5.2.9             | Prediction Confidence                                   | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on economic conditions.  | Part B      | 5.2.8 – Prediction Confidence  | 5.2-99  |          |
| 5.2.10            | Conclusions   | The Application will include a conclusion on the economic conditions assessment, including a brief summary of proposed follow-up monitoring programs.   | Part B      | 5.2.10 – Conclusions<br>5.2.9 – Follow-up and Monitoring   | 5.2-100<br>5.2-99   |          |
| 5.3               | Summary of Assessment of Potential Economic Effects     | The Application will provide a summary table of predicted residual economic effects of the proposed Project and their significance (as per the format of Table 4-19 of the AIR). A summary of cumulative effects of the proposed Project on the local and regional economy VC will be provided in the Application.  | Part B      | 5.3.1 – Summary of Project Residual Effects on Economic Conditions   | 5.3-1 – 5.3-2   |          |
|                   |   |   |             | 5.3.2 – Summary of Cumulative Effects on Economic Conditions   | 5.3-3   |          |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix |
|-------------|---|--|-------------|--|---|----------|
| No.         | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| <b>6</b>    | <b>Assessment of Potential Social Effects</b> |  |             |  |   |          |
|             |   | The assessment of project and cumulative social effects in the Application will follow the methods described in Section 3 of the AIR and the Application.  | Part B      |  |   |          |
| 6.1         | Social Background                             | The Application will include a description of the existing social environment in the vicinity of the proposed Project and surrounding areas, to provide a general understanding of the region surrounding the proposed Project. More details will be provided in the baseline section of each VC chapter.  | Part B      | 6.1 – Social Background  | 6.1-1   |          |
| 6.2.1       | Introduction                                  | The Application will provide a brief overview of the visual quality assessment, and describe the rationale for its selection as a VC, and provide a brief description of the linkages with VCs as applicable.  | Part B      | 6.2.1 – Introduction   | 6.2-1   |          |
| 6.2.2       | Scope of Assessment                           | The Application will define and describe the scope of the assessment of potential effects on the visual quality VC.  | Part B      | 6.2.2 – Scope of Assessment  | 6.2-1 – 6.2-11                                      |          |
|             |   | The assessment will include a description of the regulatory requirements, policies, BMP, visual preference research and guidance documents relevant to the management of visual quality, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment, as appropriate.  | Part B      | 6.2.2.1 – Regulatory and Policy Setting<br>6.2.2.2 – Influence of Consultation on the Assessment                           | 6.2-1 – 6.2-2<br>6.2-2 – 6.2-4                      |          |
|             |   | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 6.2.2.2 – Influence of Consultation on the Assessment<br>6.2.2.3 – Traditional Knowledge and Traditional Use Incorporation | 6.2-2 – 6.2-4<br>6.2-4                              |          |
|             |   | The visual quality assessment will focus on evaluating the predicted change in landscape character experienced from important viewpoints near the LNG facility. Viewpoints will be identified through consultation, including consultation with Aboriginal Groups identified in the Section 11 Order, and literature review.   | Part B      | 6.2.2.2 – Influence of Consultation on the Assessment<br>6.2.3.1 – Methods<br>6.2.3.2 – Overview                           | 6.2-2 – 6.2-4<br>6.2-11 – 6.2-16<br>6.2-16 – 6.2-30 |          |
|             |   | Specifically, the Application will consider predicted changes in visibility, existing visual condition and the attainment of visual quality objectives (where they exist).   | Part B      | 6.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 6.2-5 – 6.2-6                                       |          |
|             |   | The Application will also discuss the anticipated change in nighttime lighting conditions adjacent to the LNG facility.  | Part B      | 6.2.5 – Assessment of Residual Effects on Visual Quality   | 6.2-32 – 6.2-48                                     |          |
|             |   | A description of potential effects from shipping traffic along the shipping route and why these effects are not a concern for the Aurora LNG Project will be provided.   | Part B      | 6.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 6.2-5 – 6.2-6                                       |          |
|             |   | This will include results of recently completed assessments in the area.   | Part B      | 6.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 6.2-5 – 6.2-6                                       |          |
|             |   | The Application will identify and describe the project adverse effects and measurable parameters for the visual quality assessment (Table 6-1 of the Application).   | Part B      | 6.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 6.2-5 – 6.2-6                                       |          |
|             |   | The Application will identify and justify the spatial and temporal boundaries for the visual quality assessment.   | Part B      | 6.2.2.5 – Boundaries   | 6.2-6 – 6.2-8                                       |          |
|             |   | Spatial boundaries are described in Table 6-2 of the AIR and shown in Figure 3-12.   | Part B      | 6.2.2.5 – Boundaries   | 6.2-6 – 6.2-8                                       |          |
|             |   | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 6.2.2.5 – Boundaries   | 6.2-6 – 6.2-8                                       |          |
| 6.2.3       | Existing Conditions                           | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. | Part B      | 6.2.3 – Existing Conditions for Visual Quality   | 6.2-11 – 6.2-30                                     |          |
|             |   | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.   | Part B      | 6.2.2.1 – Regulatory and Policy Setting<br>6.2.3.2 – Overview  | 6.2-1 – 6.2-2<br>6.2-16 – 6.2-30                    |          |

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| AIR Section       |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |   | Appendix |
|-------------------|--|--|-------------|---|---|----------|
| No.               | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 6.2.3<br>(cont'd) | Existing Conditions<br>(cont'd)            | The sources of information on existing conditions will include: <ul style="list-style-type: none"><li>▪ Literature review and consultation with community members and Aboriginal Groups to assist in identification of potential viewpoints of concern</li><li>▪ Existing land use plans, policy and legislation</li><li>▪ Provincial visual landscape inventory, including visual quality objectives, and visual preference research</li><li>▪ Before and after night-time rendering</li><li>▪ Description of landscape character, calculation of existing visual conditions and characterization of visual sensitivity at the project site based on MFLNRO guidance for visual landscape inventory procedures</li><li>▪ Description of the nighttime lighting characteristics within the LAA and RAA</li></ul> | Part B      | 6.2.3.1 – Methods<br>6.2.3.2 – Overview<br>6.2.5.2 – Assessment of Change in Visual Quality   | 6.2-11 – 6.2-16<br>6.2-16 – 6.2-30<br>6.2-33 – 6.2-47 |          |
| 6.2.4             | Project Interactions                       | The Application will include a description of project interactions with visual quality, following the methods outlined in Section 3.5.   | Part B      | 6.2.4 – Project Interactions with Visual Quality  | 6.2-31 – 6.2-32                                       |          |
| 6.2.5             | Assessment of Residual Effects             | The assessment of residual project effects on visual quality will follow the methods outlined in Section 3.6 and will include:   | Part B      | 6.2.5 – Assessment of Residual Effects on Visual Quality  | 6.2-32 – 6.2-48                                       |          |
|                   |  | ▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment   | Part B      | 6.2.5.1 – Analytical Assessment Techniques for Visual Quality   | 6.2-32 – 6.2-33                                       |          |
|                   |  | ▪ Description of project mechanisms  | Part B      | 6.2.5.2 – Assessment of Change in Visual Quality  | 6.2-33 – 6.2-47                                       |          |
|                   |  | ▪ A description of mitigation measures, relevant management plans and linkages to other sections of the Application  | Part B      | 6.2.5.2 – Assessment of Change in Visual Quality  | 6.2-33 – 6.2-47                                       |          |
|                   |  | ▪ Characterization of project-specific residual effects, including likelihood  | Part B      | 6.2.5.2 – Assessment of Change in Visual Quality<br>6.2.5.3 – Likelihood of Residual Effects for Reduction in Visual Quality<br>6.2.5.4 – Summary of Project Residual Effects on Visual Quality | 6.2-33 – 6.2-47<br>6.2-47<br>6.2-47 – 6.2-48          |          |
| 6.2.6             | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on visual quality following the methods for a cumulative effects assessment outlined in Section 3.7 and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 6.2.6 – Assessment of Cumulative Effects on Visual Quality  | 6.2-48 – 6.2-53                                       |          |
| 6.2.7             | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on visual quality, according to the methodology described in Section 3.8.  | Part B      | 6.2.7 – Determination of Significance   | 6.2-53 – 6.2-54                                       |          |
| 6.2.8             | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 6.2.6.2 – Project Contribution to Cumulative Effects  | 6.2-51  |          |
| 6.2.9             | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on visual quality.  | Part B      | 6.2.8 – Prediction Confidence   | 6.2-54 – 6.2-55                                       |          |
| 6.2.10            | Conclusions                                | The Application will include a conclusion on the visual quality assessment, including a brief summary of proposed follow-up monitoring programs.   | Part B      | 6.2.9 – Follow-up and Monitoring<br>6.2.10 – Conclusions  | 6.2-55<br>6.2-55 – 6.2-56                             |          |
| 6.3               | Infrastructure and Services                |  | Part B      |   |   |          |
| 6.3.1             | Introduction                               | The Application will provide a brief overview of the infrastructure and services assessment, describe the rationale for its selection as a VC, introduce the topics assessed under the VC and the rationale for their selection, and provide a brief description of the linkages with other VCs.   | Part B      | 6.3.1 – Introduction  | 6.3-1   |          |

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| AIR Section       |                                 | Description of Requirements of Relevant Section and/or Subsection   | Application |   |   | Appendix |
|-------------------|---------------------------------|---|-------------|---|---|----------|
| No.               | Title                           |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 6.3.2             | Scope of Assessment             | The Application will define and describe the scope of the assessment of potential effects on the Infrastructure and Services VC.  | Part B      | 6.3.2 – Scope of Assessment   | 6.3-1 – 6.3-11  |          |
|                   |                                 | The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of infrastructure and services and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.   | Part B      | 6.3.1 – Introduction<br>6.3.2.1 – Regulatory and Policy Setting<br>6.3.2.2 – Influence of Consultation on the Assessment<br>6.3.2.3 – Traditional Knowledge and Traditional Use Incorporation   | 6.3-1<br>6.3-2<br>6.3-2 – 6.3-3<br>6.3-4  |          |
|                   |                                 | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 6.3.2.2 – Influence of Consultation on the Assessment<br>6.3.2.3 – Traditional Knowledge and Traditional Use Incorporation  | 6.3-2 – 6.3-3<br>6.3-4  |          |
|                   |                                 | The infrastructure and services assessment will focus on project effects as a result of direct project demand and the influx of workers required during construction and operations.  | Part B      | 6.3.2.4 – Selection of Potential Effects and Measurable Parameters<br>6.3.5.2 – Assessment of Change in Community Infrastructure and Services<br>6.3.5.3 – Assessment of Change in Accommodations<br>6.3.5.4 – Assessment of Change in Transportation Infrastructure<br>6.3.5.5 – Assessment of Change in Health Care Infrastructure and Services | 6.3-4 – 6.3-5<br>6.3-52 – 6.3-63<br>6.3-64 – 6.3-69<br>6.3-69 – 6.3-77<br>6.3-77 – 6.3-82 |          |
| 6.3.2<br>(cont'd) | Scope of Assessment<br>(cont'd) | The Application will identify and describe project adverse effects and measurable parameters (Table 6-3 of the AIR).  | Part B      | 6.3.2.4 – Selection of Potential Effects and Measurable Parameters  | 6.3-4 – 6.3-5   |          |
|                   |                                 | The Application will identify and justify the spatial and temporal boundaries for the assessment. Spatial boundaries are described in Table 6-4 of the AIR and shown in Figure 3-13 (AIR).  | Part B      | 6.3.2.5 – Boundaries  | 6.3-7 – 6.3-9   |          |
|                   |                                 | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.  | Part B      | 6.3.2.5 – Boundaries  | 6.3-7 – 6.3-9   |          |
| 6.3.3             | Existing Conditions             | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provide a brief summary of primary and secondary research and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.  | Part B      | 6.3.2.1 – Regulatory and Policy Setting<br>6.3.3 – Existing Conditions for Infrastructure and Services  | 6.3-2<br>6.3-11 – 6.3-46  |          |
|                   |                                 | Existing conditions will be characterized using available information on infrastructure and services within the LAA and RAA from, but not limited to, published reports, statistical databases, academic literature and other quantitative and qualitative data sources.  | Part B      | 6.3.3 – Existing Conditions for Infrastructure and Services<br>6.3.3.1 – Methods  | 6.3-11 – 6.3-46<br>6.3-11 – 6.3-12  |          |
|                   |                                 | Information in sufficient scope to characterize existing conditions for the purpose of supporting the assessment of project effects on infrastructure and services, will be compiled to include, but not limited to:<br><ul style="list-style-type: none"> <li>Education infrastructure and services</li> <li>Health care infrastructure and service</li> <li>Social services</li> <li>Emergency and protective services</li> <li>Municipal services</li> <li>Transportation infrastructure</li> <li>Housing and Accommodations (including measures of core housing need)</li> <li>Dodge Cove community water supply</li> </ul> | Part B      | 6.3.3 – Existing Conditions for Infrastructure and Services<br>6.3.3.2 – Existing Conditions  | 6.3-11 – 6.3-46<br>6.3-12 – 6.3-46  |          |
|                   |                                 | Where available and practical, disaggregated data will be presented.  | Part B      | 6.3.3.2 – Existing Conditions   | 6.3-12 – 6.3-46   |          |

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Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection   | Application |  |  | Appendix |
|-------------|--|---|-------------|--|--|----------|
| No.         | Title                                      |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 6.3.4       | Project Interactions                       | The Application will include a description of project interactions with infrastructure and services, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 6.3.4 – Project Interactions with Infrastructure and Services  | 6.3-46 – 6.3-49  |          |
| 6.3.5       | Assessment of Residual Effects             | The assessment of residual project effects on infrastructure and services will follow the methods outlined in Section 3.6 and will include:   | Part B      | 6.3.5 – Assessment of Residual Effects on Infrastructure and Services  | 6.3-49 – 6.3-84  |          |
|             |  | ▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment  | Part B      | 6.3.5.1 – Analytical Methods   | 6.3-49 – 6.3-52  |          |
|             |  | ▪ A description of mitigation measures, relevant management plans and linkages to other sections of the Application   | Part B      | 6.3.5.2 – Assessment of Change in Community Infrastructure and Services<br>6.3.5.3 – Assessment of Change in Accommodations<br>6.3.5.4 – Assessment of Change in Transportation Infrastructure<br>6.3.5.5 – Assessment of Change in Health Care Infrastructure and Services  | 6.3-52 – 6.3-63<br>6.3-64 – 6.3-69<br>6.3-69 – 6.3-77<br>6.3-77 – 6.3-82                                       |          |
|             |  | ▪ Characterization of project-specific residual effects, including likelihood   | Part B      | 6.3.5.2 – Assessment of Change in Community Infrastructure and Services<br>6.3.5.3 – Assessment of Change in Accommodations<br>6.3.5.4 – Assessment of Change in Transportation Infrastructure<br>6.3.5.5 – Assessment of Change in Health Care Infrastructure and Services  | 6.3-52 – 6.3-63<br>6.3-64 – 6.3-69<br>6.3-69 – 6.3-77<br>6.3-77 – 6.3-82                                       |          |
| 6.3.6       | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on infrastructure and services following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7. | Part B      | 6.3.6 – Assessment of Cumulative Effects on Infrastructure and Services<br>6.3.6.3 – Cumulative Effects Assessment for Change in Community Infrastructure and Services<br>6.3.6.4 – Cumulative Effects Assessment for Change in Accommodations<br>6.3.6.5 – Cumulative Effects Assessment for Change in Transportation Infrastructure and Services<br>6.3.6.6 – Cumulative Effects Assessment for Change in Health Care Infrastructure and Services<br>6.3.6.7 – Summary of Cumulative Effects | 6.3-84 – 6.3-96<br>6.3-88 – 6.3-90<br>6.3-90 – 6.3-92<br>6.3-92 – 6.3-93<br>6.3-94 – 6.3-95<br>6.3-95 – 6.3-96 |          |
| 6.3.7       | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on infrastructure and services, according to the methodology described in Section 3.8.  | Part B      | 6.3.7.1 – Significance of Project Residual Effects<br>6.3.7.2 – Significance of Residual Cumulative Effects  | 6.3-97<br>6.3-97   |          |
| 6.3.8       | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).   | Part B      | 6.3.6.7 – Summary of Cumulative Effects<br>6.3.7.2 – Significance of Residual Cumulative Effects   | 6.3-95 – 6.3-96<br>6.3-97  |          |
| 6.3.9       | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on infrastructure and services.  | Part B      | 6.3.8 – Prediction confidence  | 6.3-97 – 6.3-98  |          |
| 6.3.10      | Conclusions                                | The Application will include a conclusion on the infrastructure and services assessment, including a brief summary of proposed follow-up monitoring programs, if any.   | Part B      | 6.3.9 – Follow-up and Monitoring<br>6.3.10 – Conclusions   | 6.3-98<br>6.3-98   |          |
| 6.4         | Land and Resource Use                      |   | Part B      |  |  |          |
| 6.4.1       | Introduction                               | The Application will provide a brief overview of the land and resource use assessment, describe the rationale for its selection as a VC, and provide a brief description of the linkages with other VCs.  | Part B      | 6.4.2 – Scope of Assessment  | 6.4-2 – 6.4-9  |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |                                | Description of Requirements of Relevant Section and/or Subsection   | Application |   |                                    | Appendix |
|-------------|--------------------------------|---|-------------|---|------------------------------------|----------|
| No.         | Title                          |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.                           |          |
| 6.4.2       | Scope of Assessment            | The Application will define and describe the scope of the assessment of potential effects on the Land and Resource Use VC. The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of land and resource use, and will describe how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.   | Part B      | 6.4.2 – Scope of Assessment   | 6.4-2 – 6.4-9                      |          |
|             |                                | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 6.4.2.2 – Influence of Consultation on the Assessment<br>6.4.2.3 – Traditional Knowledge and Traditional Use Incorporation        | 6.4-3 – 6.4-4<br>6.4-4             |          |
|             |                                | The land and resource use assessment will focus on project effects associated with the use of land and resources on Crown (tenured and non-tenured) and private lands.  | Part B      | 6.4.2.4 – Selection of Potential Effects and Measurable Parameters  | 6.4-4 – 6.4-5                      |          |
|             |                                | The Application will identify and describe the project adverse effects and measurable parameters (Table 6-5 of the AIR).  | Part B      | 6.4.2.4 – Selection of Potential Effects and Measurable Parameters  | 6.4-4 – 6.4-5                      |          |
|             |                                | The Application will identify and justify the spatial and temporal boundaries for the land and resource use assessment. Spatial boundaries are described in Table 6-6 of the AIR and shown in Figure 3-14 (AIR).  | Part B      | 6.4.2.5 – Boundaries  | 6.4-5 – 6.4-8                      |          |
|             |                                | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.  | Part B      | 6.4.2.5 – Boundaries  | 6.4-5 – 6.4-8                      |          |
| 6.4.3       | Existing Conditions            | This section will present information about the existing conditions as outlined in Section 3.4. It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project. A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application. | Part B      | 6.4.3 – Existing Conditions for Land and Resource Use   | 6.4-10 – 6.4-37                    |          |
|             |                                | Existing conditions will be characterized using available information on land and resource use within the LAA and RAA from, but not limited to, spatial information and meta-data for land tenure and use from the Province of BC's data warehouse, published reports, academic literature and other quantitative and qualitative data sources.   | Part B      | 6.4.3.1 – Methods   | 6.4-10                             |          |
|             |                                | Information, in sufficient scope to characterize existing conditions will be compiled to include, but not limited to: <ul style="list-style-type: none"> <li>▪ Cabins</li> <li>▪ Trap lines and guiding tenures</li> <li>▪ Mineral resources</li> <li>▪ Oil and gas tenures and pipeline right of way</li> <li>▪ Forestry</li> <li>▪ First Nations reserves, territories, and traditional use areas identified by Aboriginal Groups</li> <li>▪ Park and protected areas</li> </ul>  | Part B      | 6.4.3.3 – Tenured Land Use and Private Lands<br>6.4.3.4 – Non-tenured Land Use  | 6.4-11 – 6.4-28<br>6.4-29 – 6.4-36 |          |
| 6.4.4       | Project Interactions           | The Application will include a description of project interactions with land and resource use, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 6.4.4 – Project Interactions with Land and Resource Use   | 6.4-37 – 6.4-39                    |          |
| 6.4.5       | Assessment of Residual Effects | The assessment of residual project effects on land and resource use will follow the methods outlined in Section 3.6 and will include:   | Part B      | 6.4.5 – Assessment of Residual Effects on Land and Resource Use   | 6.4-39 – 6.4-89                    |          |
|             |                                | <ul style="list-style-type: none"> <li>▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> </ul>  | Part B      | 6.4.5.1 – Analytical Methods  | 6.4-39 – 6.4-40                    |          |
|             |                                | <ul style="list-style-type: none"> <li>▪ A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> </ul>   | Part B      | 6.4.5.2 – Assessment of Change in Tenured Land Use and Private Property<br>6.4.5.3 – Assessment of Change in Non-Tenured Land Use | 6.4-40 – 6.4-61<br>6.4-62 – 6.4-88 |          |

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| AIR Section       |  | Description of Requirements of Relevant Section and/or Subsection   | Application |   |                                    | Appendix |
|-------------------|--|---|-------------|---|------------------------------------|----------|
| No.               | Title                                      |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.                           |          |
| 6.4.5<br>(cont'd) | Assessment of Residual Effects (cont'd)    | ▪ Characterization of project-specific residual effects, including likelihood   | Part B      | 6.4.5.2 – Assessment of Change in Tenured Land Use and Private Property<br>6.4.5.4 – Assessment of Change in Non-Tenured Land Use | 6.4-40 – 6.4-61<br>6.4-62 – 6.4-88 |          |
| 6.4.6             | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on land and resource use following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7. | Part B      | 6.4.6 – Assessment of Cumulative Effects on Land and Resource Use   | 6.4-90 – 6.4-96                    |          |
| 6.4.7             | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on land and resource use, according to the methodology described in Section 3.8.  | Part B      | 6.4.7 – Determination of Significance   | 6.4-97 – 6.4-98                    |          |
| 6.4.8             | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).   | Part B      | 6.4.6.2 – Project Contribution to Cumulative Effects  | 6.4-92                             |          |
| 6.4.9             | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on land and resource use.  | Part B      | 6.4.8 – Prediction Confidence   | 6.4-98                             |          |
| 6.4.10            | Conclusions                                | The Application will include a conclusion on the land and resource use assessment, including a brief summary of proposed follow-up monitoring programs.   | Part B      | 6.4.10 – Conclusions<br>6.4.9 – Follow-up and Monitoring  | 6.4-99<br>6.4-98                   |          |
| 6.5               | Marine Use and Navigable Waters            |   | Part B      |   |                                    |          |
| 6.5.1             | Introduction                               | The Application will provide a brief overview of the Marine Use and Navigable Waters assessment, describe the rationale for its selection as a VC, and provide a brief description of the linkages with other VCs as applicable.  | Part B      | 6.5.1 – Introduction  | 6.5-1                              |          |
| 6.5.2             | Scope of Assessment                        | The Application will define and describe the scope of the assessment of potential effects on the Marine Use and navigable waters VC.  | Part B      | 6.5.2 – Scope of Assessment   | 6.5-2 – 6.5-14                     |          |
|                   |  | The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of marine use and navigable waters, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 6.5.2.1 – Regulatory and Policy Setting<br>6.5.2.2 – Influence of Consultation on the Assessment                                  | 6.5-2 – 6.5-3<br>6.5-4             |          |
|                   |  | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 6.5.2.2 – Influence of Consultation on the Assessment<br>6.5.2.3 – Traditional Knowledge and Traditional Use Incorporation        | 6.5-4<br>6.5-5                     |          |
|                   |  | The marine use and navigable waters assessment will focus on project effects associated with construction and operations of the facility including shipping activities. The Application will identify and describe the project adverse effects and measurable parameters for the marine use and navigable waters assessment (Table 6-7 of the AIR).   | Part B      | 6.5.2.4 – Selection of Potential Effects and Measurable Parameters  | 6.5-5 – 6.5-6                      |          |
|                   |  | The Application will identify and justify the spatial and temporal boundaries for the marine use and navigable waters assessment. Spatial boundaries are described in Table 6-8 of the AIR and shown in Figure 3-15 (AIR). The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 6.5.2.5 – Boundaries  | 6.5-7 – 6.5-11                     |          |
| 6.5.3             | Existing Conditions                        | This section will present information about the existing conditions as outlined in Section 3.4  | Part B      | 6.5.3 – Existing Conditions for Marine Use and Navigable Waters   | 6.5-14 – 6.5-45                    |          |
|                   |  | It will identify any important data gaps for the effects assessment, provide a brief summary of primary research and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.   | Part B      | 6.5.3.2 – Overview<br>6.5.8 – Prediction Confidence   | 6.5-15– 6.5-43<br>6.5-73           |          |
|                   |  | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.  | Part B      | 6.5.2.1 – Regulatory and Policy Setting   | 6.5-2 – 6.5-3                      |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section       |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |                                    | Appendix |
|-------------------|--|--|-------------|--|------------------------------------|----------|
| No.               | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                           |          |
| 6.5.3<br>(cont'd) | Existing Conditions<br>(cont'd)            | Existing conditions will be characterized using available information on marine use and navigable waters in the RAA including, but not limited to data on commercial and recreational fisheries, Aboriginal fisheries, recreation and tourism, marinas and moorage facilities, and shipping (e.g., types of shipping (use) navigational aids, communications, coast guard services and safety).  | Part B      | 6.5.3.2 – Overview   | 6.5-15 – 6.5-43                    |          |
|                   |  | Published reports, academic literature and other quantitative and qualitative data sources will be used where applicable. Information, in sufficient scope to characterize existing conditions will be compiled.   | Part B      | 6.5.3 – Existing Conditions for Marine Use and Navigable Waters  | 6.5-15– 6.5-43                     |          |
|                   |  | The sources will include, but not limited to: <ul style="list-style-type: none"> <li>▪ Pacific North Coast Integrated Management Area and the Marine Planning Partnership Plan for the North Pacific Coast (MaPP) – management area information</li> <li>▪ Prince Rupert Port Authority – vessel movement records, planning initiatives</li> <li>▪ DFO – statistical data and reports on commercial, recreational and Aboriginal fisheries and geospatial data related to commercial, recreational and Aboriginal fisheries</li> <li>▪ BC Marine Conservation Analysis – geospatial data related to commercial and recreational fisheries, and/or other marine uses</li> <li>▪ Industry published data and reports on recreational and tourism activities</li> <li>▪ Canadian Coast Guard Marine Communications and Traffic Services - marine traffic information</li> <li>▪ Pacific Pilotage Authority – use data</li> <li>▪ Information from previous projects in the area</li> <li>▪ Available TU/TK information</li> </ul> | Part B      | 6.5.3.1 – Methods  | 6.5-14 – 6.5-15                    |          |
| 6.5.4             | Project Interactions                       | The Application will include a description of project interactions with marine use and navigable waters, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.  | Part B      | 6.5.4 – Project Interactions with Marine Use and Navigable Waters  | 6.5-46 – 6.5-48                    |          |
| 6.5.5             | Assessment of Residual Effects             | The assessment of residual project effects on marine use and navigable waters will follow the methods outlined in Section 3.6 and will include:  | Part B      | 6.5.5 – Assessment of Residual Effects on Marine Use and Navigable Waters  | 6.5-48 – 6.5-63                    |          |
|                   |  | <ul style="list-style-type: none"> <li>▪ A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> </ul>   | Part B      | 6.5.5.1 – Analytical Methods   | 6.5-49 – 6.5-50                    |          |
|                   |  | <ul style="list-style-type: none"> <li>▪ A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> </ul>  | Part B      | 6.5.5.2 – Assessment of Change in Marine Navigation<br>6.5.5.3 – Assessment of Change in Marine Fisheries and Other Uses | 6.5-50 – 6.5-54<br>6.5-54 – 6.5-62 |          |
|                   |  | <ul style="list-style-type: none"> <li>▪ Characterization of project-specific residual effects, including likelihood</li> </ul>  | Part B      | 6.5.5.2 – Assessment of Change in Marine Navigation<br>6.5.5.3 – Assessment of Change in Marine Fisheries and Other Uses | 6.5-50 – 6.5-54<br>6.5-54 – 6.5-62 |          |
|                   |  | The results of the assessment of residual effects will be used to inform other sections of the Application, including Sections 11 and 12, as applicable.   | Part B      |  |                                    |          |
| 6.5.6             | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on marine use and navigable waters following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.  | Part B      | 6.5.6 – Assessment of Cumulative Effects on Marine Use and Navigable Waters  | 6.5-635 – 6.5-71                   |          |
| 6.5.7             | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on marine use and navigable waters, according to the methodology described in Section 3.8.   | Part B      | 6.5.7 – Determination of Significance  | 6.5-71 – 6.5-73                    |          |
| 6.5.8             | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 6.5.6.2 – Project Contribution to Cumulative Effects   | 6.5-66                             |          |
| 6.5.9             | Prediction Confidence                      | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on marine use and navigable waters.   | Part B      | 6.5.8 – Prediction Confidence  | 6.5-73                             |          |

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| AIR Section |                      | Description of Requirements of Relevant Section and/or Subsection   | Application |  |                           | Appendix |
|-------------|----------------------|---|-------------|--|---------------------------|----------|
| No.         | Title                |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                  |          |
| 6.5.10      | Conclusions          | The Application will include a conclusion on the marine use and navigable waters assessment, including a brief summary of proposed follow-up monitoring programs, if any.   | Part B      | 6.5.9 – Follow-up and Monitoring<br>6.5.10 – Conclusions   | 6.5-74<br>6.5-74          |          |
| 6.6         | Community Health     |   | Part B      |  |                           |          |
| 6.6.1       | Introduction         | The Application will provide a brief overview of the community health assessment, describe the rationale for its selection as a VC, and provide a brief description of the linkages with other VCs as applicable.   | Part B      | 6.6.1 – Introduction   | 6.6-1 – 6.6-2             |          |
| 6.6.2       | Scope of Assessment  | The Application will define and describe the scope of the assessment of potential effects on the Community Health VC.   | Part B      | 6.6.2 – Scope of the Assessment  | 6.6-3 – 6.6-13            |          |
|             |                      | The assessment will include a description of the regulatory requirements, policies, BMPs, and guidance documents relevant to the management of community health, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment, as appropriate.   | Part B      | 6.6.2.1 – Regulatory and Policy Setting<br>6.6.2.2 – Influence of Consultation on the Assessment                           | 6.6-3<br>6.6-3 – 6.6-4    |          |
|             |                      | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 6.6.2.2 – Influence of Consultation on the Assessment<br>6.6.2.3 – Traditional Knowledge and Traditional Use Incorporation | 6.6-3 – 6.6-4<br>6.6-5    |          |
|             |                      | The community health assessment will focus on project effects associated with construction and operations of the facility including shipping activities. The Application will identify and describe the project adverse effects and measurable parameters for the assessment (Table 6-9 of the AIR).  | Part B      | 6.6.2.4 – Selection of Potential Effects and Measurable Parameters   | 6.6-5 – 6.6-6             |          |
|             |                      | The Application will identify and justify the spatial and temporal boundaries for the community human assessment. Spatial boundaries are described in Table 6-10 of the AIR and shown in Figure 3-16.   | Part B      | 6.6.2.5 – Boundaries   | 6.6-6 – 6.6-10            |          |
|             |                      | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.  | Part B      | 6.6.2.5 – Boundaries   | 6.6-6 – 6.6-10            |          |
| 6.6.3       | Existing Conditions  | This section will present information about the existing conditions as outlined in Section 3.4.   | Part B      | 6.6.3 – Existing Conditions for Community Health   | 6.6-13 – 6.6-42           |          |
|             |                      | It will identify any important data gaps for the effects assessment, provide a brief summary of primary and secondary research and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.   | Part B      | 6.6.3.1 – Data Collection Methods<br>6.6.3.3 – Summary   | 6.6-13 – 6.6-15<br>6.6-42 |          |
|             |                      | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.  | Part B      | 6.6.2.1 – Regulatory and Policy Setting  | 6.6-3                     |          |
|             |                      | The sources of information on existing conditions will include: <ul style="list-style-type: none"><li>▪ Statistics Canada – Health Profiles – Health Service Delivery Areas (HSDA)</li><li>▪ Statistics Canada – Census and National Household Survey</li><li>▪ Northern Health – Healthy Northern Community Profiles and other publications</li><li>▪ Health Canada – Health Canadians 2012: A Federal Report on Comparable Health Indicators</li><li>▪ Public Health Agency of Canada – Social Determinants of Health: An Overview of the Implications for Policy and the Role of the Health sector</li><li>▪ City of Prince Rupert – Preparing for Growth 2015</li><li>▪ City of Prince Rupert - Planning for Major Projects (if available)</li><li>▪ World Health Organizations – Programs and projects – Social Determinants of Health</li><li>▪ Community-provided information, where available</li></ul> | Part B      | 6.6.3 – Existing Conditions for Community Health   | 6.6-13 – 6.6-42           |          |
| 6.6.4       | Project Interactions | The Application will include a description of project interactions with community health, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5. A change in the availability of foods harvested by Aboriginal people (i.e., marine resources, wildlife, vegetation) has the potential to affect the socio economic conditions in their communities.  | Part B      | 6.6.4 – Project Interactions with Community Health   | 6.6-42 – 6.6-45           |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection   | Application |  |   | Appendix |
|-------------|---|---|-------------|--|---|----------|
| No.         | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 6.6.5       | Assessment of Residual Effects                  | The assessment of residual project effects on community health will follow the methods outlined in Section 3.6 and will include: <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> <li>Characterization of project-specific residual effects, including likelihood</li> </ul> | Part B      | 6.6.5.1 – Analytical Methods<br>6.6.5.2 – Assumptions<br>6.6.5.3 – Assessment of Change in Community Health and Wellness<br>6.6.5.4 – Assessment of Change in Harvested Foods<br>6.6.5.5 – Summary of Project Residual Effects on Community Health | 6.6-46<br>6.6-47 – 6.6-48<br>6.6-49 – 6.6-73<br>6.6-73 – 6.6-102<br>6.6-103 |          |
| 6.6.6       | Assessment of Cumulative Effects                | The Application will include an assessment of cumulative effects on community health following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.  | Part B      | 6.6.6 – Assessment of Cumulative Effects on Community Health<br>6.6.6.5 – Summary of Cumulative Effects  | 6.6-103 – 6.6-112<br>6.6-111 – 6.6-112                                      |          |
| 6.6.7       | Significance of Residual Effects                | The Application will include a determination of significance of project-specific and cumulative effects on community health, according to the methodology described in Section 3.8.   | Part B      | 6.6.7 – Determination of Significance<br>6.6.7.1 – Significance of Project Residual Effects<br>6.6.7.2 – Significance of Residual Cumulative Effects   | 6.6-113–6.6-115<br>6.6-113–6.6-114<br>6.6-114–6.6-115                       |          |
| 6.6.8       | Project Contribution to Cumulative Effects      | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).   | Part B      | 6.6.6.3 – Cumulative Effects Assessment for Change in Community Health and Wellness<br>6.6.6.4 – Cumulative Effects Assessment for Change in Harvested Foods   | 6.6-107–6.6-109<br>6.6-109–6.6-111  |          |
| 6.6.9       | Prediction Confidence                           | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on community health.   | Part B      | 6.6.8 – Prediction Confidence  | 6.6-115–6.6-116   |          |
| 6.6.10      | Conclusions                                     | The Application will include a conclusion on the community health assessment, including a brief summary of proposed follow-up monitoring programs, if any.  | Part B      | 6.6.9 – Follow-up and Monitoring<br>6.6.10 – Conclusions   | 6.6-116<br>6.6-116  |          |
| 6.7         | Summary of Potential Social Effects             | The Application will provide a summary table of predicted residual social effects of the proposed Project and their significance (as per the format of Table 4-19 of the AIR). A summary of cumulative effects of the proposed Project on the social VCs will be provided in the Application.   | Part B      | 6.7.1 – Visual Quality<br>6.7.2 – Infrastructure and Services<br>6.7.3 – Land and Resource Use<br>6.7.4 – Marine Use and Navigable Waters<br>6.7.5 – Community Health  | 6.7-1–6.7-3<br>6.7-3–6.7-7<br>6.7-7–6.7-9<br>6.7-9–6.7-11<br>6.7-11–6.7-14  |          |
| <b>7</b>    | <b>Assessment of Potential Heritage Effects</b> |   |             |  |   |          |
|             |   | The assessment of heritage effects in the Application will follow the methods described in Section 3 of the AIR and the Application.  | Part B      |  |   |          |
| 7.1         | Archaeological and Heritage Background          | The Application will provide information on the archaeological and heritage background of the proposed project site. It will include a high-level summary description of the ethnography, ethno-history and history of the area, as well as a discussion of archaeological site potential. This summary will be expanded in the archaeological and heritage resources assessment.   | Part B      | 7.1 – Archaeological and Heritage Background   | 7-1 – 7-2   |          |
| 7.2         | Archaeological and Heritage Resources           |   | Part B      |  |   |          |
| 7.2.1       | Introduction                                    | The Application will provide an overview of the archaeological and heritage resources assessment, describe the rationale for its selection as a VC, and provide a brief description of the linkages with other VCs as applicable.   | Part B      | 7.2.1 – Introduction   | 7-3 – 7-4   |          |
|             |   | The application will include information on the consultation undertaken with knowledgeable individuals and/or organizations including local museums, historical associations and Aboriginal Groups with respect to archaeology and heritage resources in the Project area.  | Part B      | 7.2.2.2 – Influence of Consultation on the Assessment  | 7-6 – 7-8   |          |
|             |   | A discussion on how the information was gathered, considered and integrated into the analysis will also be provided.  | Part B      | 7.2.2.2 – Influence of Consultation on the Assessment  | 7-6 – 7-8   |          |

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| AIR Section |                      | Description of Requirements of Relevant Section and/or Subsection   | Application |  |                        | Appendix  |
|-------------|----------------------|---|-------------|--|------------------------|---|
| No.         | Title                |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.               |   |
| 7.2.2       | Scope of Assessment  | The Application will define and describe the scope of the assessment of potential effects on the archaeological and heritage resources VC.  | Part B      | 7.2.2 – Scope of Assessment  | 7-4 – 7-14             |   |
|             |                      | The assessment will include a description of the regulatory requirements, policies, BMP, and guidance documents relevant to the management of archaeological and heritage resources, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment, as appropriate.   | Part B      | 7.2.2.1 – Regulatory and Policy Setting  | 7-4 – 7-6              |   |
|             |                      | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.   | Part B      | 7.2.2.2 – Influence of Consultation on the Assessment<br>7.2.2.3 – Traditional Knowledge and Traditional Use Incorporation | 7-6 – 7-8<br>7-8 – 7-9 |   |
|             |                      | The archaeological and heritage resources assessment will focus on potential disturbance of resources protected under the Heritage Conservation Act during project construction and operations.   | Part B      | 7.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 7-9                    |   |
|             |                      | The Application will identify and describe the project adverse effects and measurable parameters for the archaeological and heritage resources assessment (Table 7-1 of the AIR).   | Part B      | 7.2.2.4 – Selection of Potential Effects and Measurable Parameters   | 7-9                    |   |
|             |                      | The Application will identify and justify the spatial and temporal boundaries for the archaeological and heritage assessment. Spatial boundaries are described in Table 7-2 of the AIR and shown in Figure 3-17 (AIR).  | Part B      | 7.2.2.5 – Boundaries   | 7-10 – 7-11            |   |
|             |                      | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.  | Part B      | 7.2.2.5 – Boundaries   | 7-10 – 7-11            |   |
| 7.2.3       | Existing Conditions  | This section will present information about the existing conditions as outlined in Section 3.4.   | Part B      | 7.2.3 – Existing Conditions for Archaeological and Heritage Resources  | 7-15 – 7-18            |   |
|             |                      | It will identify any important data gaps for the effects assessment, provide a summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.  | Part B      | 7.2.3 – Existing Conditions for Archaeological and Heritage Resources  | 7-15 – 7-18            |   |
|             |                      | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.  | Part B      | 7.2.2.1 – Regulatory and Policy Setting  | 7-4 – 7-6              |   |
|             |                      | The sources of information on existing conditions will include: <ul style="list-style-type: none"><li>Results of the archaeological overview assessment, that will include a review of the following sources:<ul style="list-style-type: none"><li>Registered archaeological and heritage sites in the LAA and RAA on file with the Provincial Heritage Register</li><li>Previously developed GIS-based archaeological potential models and associated mapping (where available)</li><li>Relevant archaeological reports on file with the provincial Archaeological Report Library (where available)</li><li>Aerial photos and existing GIS imagery</li><li>LiDAR (if available)</li><li>Previous local archaeological assessments</li></ul></li><li>Results of the archaeological impact assessment (AIA)</li><li>Results of TU/TK studies, if available</li></ul> | Part B      | 7.2.3 – Existing Conditions for Archaeological and Heritage Resources  | 7-15 – 7-18            |   |
|             |                      | Detailed baseline information will be provided in a technical data report.  | Part B      | 7.2.3 – Existing Conditions for Archaeological and Heritage Resources  | 7-15 – 7-18            | Appendix W – 2015-0007 Archaeological Impact Assessment |
| 7.2.4       | Project Interactions | The Application will include a description of project interactions with archaeological and heritage resources, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 7.2.4 – Project Interactions with Archaeological and Heritage Resources  | 7-19 – 7-20            |   |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix  |
|-------------|---|--|-------------|--|---|---|
| No.         | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                                  |   |
| 7.2.5       | Assessment of Residual Effects                      | The assessment of residual project effects on archaeological and heritage resources will follow the methods outlined in Section 3.6 and will include: <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> <li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li> <li>Characterization of project-specific residual effects, including likelihood</li> </ul> | Part B      | 7.2.5 – Assessment of Residual Effects on Archaeological and Heritage Resources  | 7-20 – 7-29                               |   |
| 7.2.6       | Assessment of Cumulative Effects                    | The Application will include an assessment of cumulative effects on archaeological and heritage resources following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.  | Part B      | 7.2.6 – Assessment of Cumulative Effects on Archaeological and Heritage Resources  | 7-30                                      |   |
| 7.2.7       | Significance of Residual Effects                    | The Application will include a determination of significance of project-specific and cumulative effects on archaeological and heritage resources according to methodology in Section 3.8.  | Part B      | 7.2.7.1 – Significance of Project Residual Effects   | 7-30 – 7-31                               |   |
| 7.2.8       | Prediction Confidence                               | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on archaeological and heritage resources.   | Part B      | 7.2.8 – Prediction Confidence  | 7-31                                      |   |
| 7.2.9       | Conclusions   | The Application will include a conclusion on the archaeological and heritage resources, including a brief summary of proposed follow-up monitoring programs.   | Part B      | 7.2.9 – Follow-up and Monitoring<br>7.2.10 – Conclusions   | 7-31 – 7-32<br>7-32                       |   |
| 7.3         | Summary of Assessment of Potential Heritage Effects | The Application will provide a summary table of predicted residual heritage effects of the proposed Project and their significance (as per the format of Table 4-19 of the AIR).   | Part B      | 7.3 – Summary of Assessment of Potential Heritage Effects  | 7-32 – 7-33                               |   |
| <b>8</b>    | <b>Assessment of Potential Health Effects</b>       |  |             |  |   |   |
|             |   | The assessment of health effects in the Application will follow the methods described in Section 3 of the AIR and the Application.   | Part B      | 3.2 – Assessment Scope   | 3-3 -3-9                                  |   |
| 8.1         | Human Health  | The following information will be provided for the assessment of project effects on the Human Health VC.   | Part B      |  |   |   |
| 8.1.1       | Introduction  | The Application will provide a brief overview of the human health assessment, describe the rationale for its selection as a VC, and provide a brief description of the linkages with other VCs.  | Part B      | 8.2.1 – Introduction   | 8-1 – 8-2                                 |   |
| 8.1.2       | Scope of Assessment                                 | The Application will define and describe the scope of the assessment of potential effects on the Human Health VC.  | Part B      | 8.2.2 – Scope of Assessment  | 8-2 – 8-16                                |   |
|             |   | The assessment will include a description of the regulatory requirements, policies, and guidance documents relevant to the management of human health, and how information obtained through consultation with regulators, stakeholders, community members and Aboriginal Groups was used in the assessment.  | Part B      | 8.2.2.1 – Regulatory and Policy Setting<br>8.2.2.2 – Influence of Consultation on the Assessment   | 8-3<br>8-3 – 8-6                          |   |
|             |   | Where information is obtained on TK and TU from Aboriginal Groups through consultation, information gathering and voluntary information sharing, the Application will describe how it was integrated into the assessment.  | Part B      | 8.2.2.2 – Influence of Consultation on the Assessment<br>8.2.2.3 – Traditional Knowledge and Traditional Use Incorporation   | 8-3 – 8-6<br>8-6                          |   |
|             |   | The human health assessment will describe the potential health risks to people exposed to chemicals in the environment from air inhalation, drinking water, and consumption of locally harvested foods.  | Part B      | 8.2.4 – Project Interactions with Human Health<br>8.2.5.2 – Assessment of Changes to Human Health from Changes in Air Quality<br>8.2.5.3 – Assessment of Changes to Human Health from Changes in Marine Food Quality | 8-26 – 8-29<br>8-32 – 8-37<br>8-37 – 8-41 | Appendix R – Human Health Technical Data Report |
|             |   | The human health assessment will evaluate the potential for chemical-related health risks associated with the inhalation of CACs (i.e., SO <sub>2</sub> , NO <sub>2</sub> , PM <sub>2.5</sub> , PM <sub>10</sub> , CO). The human health assessment will also consider potential chemical changes in locally harvested foods that could result from project activities, including potential resuspension of contaminants during dredging.  | Part B      | 8.2.5.2 – Assessment of Changes to Human Health from Changes in Air Quality<br>8.2.5.3 – Assessment of Changes to Human Health from Changes in Marine Food Quality   | 8-32 – 8-37<br>8-37 – 8-41                |   |

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| AIR Section       |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix  |
|-------------------|--|--|-------------|--|---|---|
| No.               | Title                                      |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                                  |   |
| 8.1.2<br>(cont'd) | Scope of Assessment<br>(cont'd)            | In addition if disposal at sea is chosen as the means for disposing of dredgeate the potential effects of this activity on human health will be assessed based on direction received from Environment Canada.  | Part B      | 8.2.5.3 – Assessment of Changes to Human Health from Changes in Marine Food Quality  | 8-37 – 8-41                               |   |
|                   |  | Freshwater quality, as it relates to human health (i.e., drinking water and recreational use) will be considered in the assessment.  | Part B      | 8.2.4 – Project Interactions with Human Health   | 8-26 – 8-29                               |   |
|                   |  | The Application will identify and describe potential adverse project effects and measurable parameters for the human health assessment (Table 8-1 of the AIR).   | Part B      | 8.2.2.8 – Significance Thresholds for Residual Effects   | 8-15 – 8-16                               |   |
|                   |  | The Application will identify and provide rationale for the selection of spatial and temporal boundaries for the human health assessment. Spatial boundaries are described in Table 8-2 of the AIR.  | Part B      | 8.2.2.5 – Boundaries   | 8-9 – 8-12                                |   |
|                   |  | The Application will also define any administrative or technical boundaries which may constrain the assessment of project effects.   | Part B      | 8.2.2.5 – Boundaries   | 8-9 – 8-12                                |   |
| 8.1.3             | Existing Conditions                        | This section will present information about the existing conditions as outlined in Section 3.4.  | Part B      | 8.2.3 – Existing Conditions for Human Health   | 8-16 – 8-25                               |   |
|                   |  | It will identify any important data gaps for the effects assessment, provide a brief summary of field surveys and additional data analyses (if applicable), and conclude with an integrated statement on existing conditions of the VC based on past data and data collected for the proposed Project.   | Part B      | 8.2.3.2 – Overview   | 8-16 – 8-25                               |   |
|                   |  | A summary of the regulatory context for managing the VC is provided in Table 3-1 of the AIR and will be summarized in the Application.   | Part B      | 8.2.2.1 – Regulatory and Policy Setting  | 8-3                                       |   |
|                   |  | The sources of information on existing conditions will include: <ul style="list-style-type: none"><li>Results of the baseline assessments for air quality and marine resources, and available traditional land use and traditional knowledge</li><li>Baseline tissue chemistry for marine harvested foods</li><li>Information about nearby human receptors and land uses (e.g., residences, cabins, camps and traditional use areas identified by Aboriginal Groups)</li><li>Issues or concerns identified during consultation with stakeholders, community members, and Aboriginal Groups</li></ul> | Part B      | 8.2.3.2 – Overview   | 8-16 – 8-25                               | Appendix R – Human Health Technical Data Report |
|                   |  | Detailed baseline information will be provided in a technical data report.   | Part B      | 8.2.3 – Existing Conditions for Human Health   | 8-16 – 8-25                               | Appendix R – Human Health Technical Data Report |
| 8.1.4             | Project Interactions                       | The Application will include a description of project interactions with human health, identified in Table 3-6 of the AIR, following the methods outlined in Section 3.5.   | Part B      | 8.2.4 – Project Interactions with Human Health   | 8-26 – 8-29                               |   |
| 8.1.5             | Assessment of Residual Effects             | The assessment of residual project effects on human health will follow the methods outlined in Section 3.6 and will include: <ul style="list-style-type: none"><li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li><li>A description of mitigation measures, relevant management plans and linkages to other sections of the Application</li><li>Characterization of project-specific residual effects, including likelihood</li></ul>  | Part B      | 8.2.5 – Assessment of Residual Effects on Human Health<br>8.2.5.2 – Assessment of Changes to Human Health from Changes in Air Quality<br>8.2.5.3 – Assessment of Changes to Human Health from Changes in Marine Food Quality | 8-29 – 8-42<br>8-32 – 8-37<br>8-37 – 8-41 |   |
| 8.1.6             | Assessment of Cumulative Effects           | The Application will include an assessment of cumulative effects on human health following the methods for a cumulative effects assessment outlined in Section 3.7 (Table 3-10 of the AIR) and identify any additional mitigation measures. The likelihood will be described for any adverse residual cumulative effects as per Section 3.7.6, and a summary of cumulative effects will be provided that is consistent with methods outlined in Section 3.7.7.   | Part B      | 8.2.6 – Assessment of Cumulative Effects on Human Health   | 8-42 – 8-51                               |   |
| 8.1.7             | Significance of Residual Effects           | The Application will include a determination of significance of project-specific and cumulative effects on human health, according to the methodology described in Section 3.8.  | Part B      | 8.2.7 – Determination of Significance  | 8-51 – 8-52                               |   |
| 8.1.8             | Project Contribution to Cumulative Effects | The Application will describe the proposed Project's contribution to the residual cumulative effects (i.e., how much of the total residual cumulative effects can be attributed to the proposed Project).  | Part B      | 8.2.7.2 – Significance of Cumulative Residual Effects 8.2.6.2 – Project Contribution to Cumulative Effects   | 8-52<br>8-45                              |   |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection   | Application |  |   | Appendix |
|-------------|---|---|-------------|--|---|----------|
| No.         | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.                                  |          |
| 8.1.9       | Prediction Confidence                             | The Application will describe the level of confidence in the conclusions about project-specific and cumulative effects on human health.   | Part B      | 8.2.8 – Prediction Confidence  | 8-52 – 8-53                               |          |
| 8.1.10      | Conclusions                                       | The Application will include a conclusion on the human health assessment, including a brief summary of proposed follow-up monitoring programs.  | Part B      | 8.2.9 – Follow-up and Monitoring<br>8.2.10 – Conclusions   | 8-53<br>8-53                              |          |
| 8.2         | Summary of Assessment of Potential Health Effects | The Application will provide a summary table of residual project effects on human health similar to the one used for residual environmental effects (Table 4-19 of the AIR). A summary of cumulative effects of the proposed Project on human health will be provided in this section.  | Part B      | 8.3 – Summary of Assessment of Potential Effects to Human Health   | 8-53 – 8-55                               |          |
| <b>9</b>    | <b>Accidents or Malfunctions</b>                  |   |             |  |   |          |
| 9.0         | Accidents or Malfunctions                         | The Application will assess the effects of potential accidents or malfunctions related to the proposed Project.   | Part B      | 9 – Accidents or Malfunctions  | 9-1 – 9-51                                |          |
|             |   | Consideration of potential accidents and malfunctions will specifically reference environmental effects identified in section 5 of CEAA 2012.   | Part B      | 9 – Accidents or Malfunctions<br>9.2 – Methods   | 9-1 – 9-51<br>9-2 – 9-5                   |          |
|             |   | Potential effects will be considered for the following accidents or malfunctions:   | Part B      | 9 – Accidents or Malfunctions  | 9-1 – 9-51                                |          |
|             |   | ▪ Motor vehicle collisions  | Part B      | 9.4 – Motor Vehicle Collisions   | 9-7                                       |          |
|             |   | ▪ Facility impact from Aircraft   | Part B      | 9.5 – Facility Impact from Aircraft  | 9-8 – 9-11                                |          |
|             |   | ▪ Fires or explosions   | Part B      | 9.6 – On-shore Fires or Explosions<br>9.9 – Vessel Grounding or Collision<br>9.10 – LNG Releases at the Loading Facility | 9-11 – 9-19<br>9-34 – 9-43<br>9-44 – 9-49 |          |
|             |   | ▪ LNG Plant malfunctions (emergency LNG facility shutdown, including emergency flaring)   | Part B      | 9.7 – LNG Plant Malfunctions   | 9-20 – 9-23                               |          |
|             |   | ▪ Power generation malfunctions   | Part B      | 9.7 – LNG Plant Malfunctions   | 9-20 – 9-23                               |          |
|             |   | ▪ On-site hazardous spills <ul style="list-style-type: none"> <li>Construction equipment (fueling, fluid leaks)</li> <li>On-site hazardous material storage (fuels, waste, reagents)</li> <li>On-site releases of LNG (loss of containment of LNG or other hydrocarbons in the plant process area or storage tanks)</li> <li>Process water and surface/storm water containment areas</li> </ul> | Part B      | 9.8 – On-shore Hazardous Spills  | 9-24 – 9-33                               |          |
|             |   | ▪ Grounding of marine vessels   | Part B      | 9.9 – Vessel Grounding or Collision  | 9-34 – 9-43                               |          |
|             |   | ▪ Collisions of marine vessels with another vessel  | Part B      | 9.9 – Vessel Grounding or Collision  | 9-34 – 9-43                               |          |
|             |   | ▪ Releases from LNG carriers (cold cryogenic release at loading facilities) including: <ul style="list-style-type: none"> <li>Outflow of non-pressurized LNG (above and below waterline)</li> <li>Liquid pool formation resulting in a pool fire</li> </ul>   | Part B      | 9.10 – LNG Releases at the Loading Facility  | 9-44 – 9-49                               |          |

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| AIR Section     |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |  | Appendix |
|-----------------|--|--|-------------|--|--|----------|
| No.             | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 9.0<br>(cont'd) | Accidents or Malfunctions<br>(cont'd)              | For each potential event, the Application will describe: <ul style="list-style-type: none"><li>▪ The potential event</li><li>▪ Methods for assessing the potential risk, including categories and definitions for likelihood and consequence</li><li>▪ An assessment of the likelihood of the event occurring, based on historical trends and predictive models</li><li>▪ The probability of the event occurring</li><li>▪ Proposed mitigation measures to reduce the likelihood of occurrence</li><li>▪ Assessment of potential effects and/or consequences to each relevant VC of the environment, economic, social, heritage or health pillars</li><li>▪ Emergency response measures to mitigate the effects and/or consequences</li><li>▪ The conclusions on the potential risk of the event, including a significance determination as required in section 19(1)(a) and (b) of CEEA 2012</li><li>▪ Specific reference to environmental effects as they are identified in section 5 of CEEA 2012</li></ul> | Part B      | 9.2 – Methods  | 9-2 – 9-5  |          |
|                 |  | <ul style="list-style-type: none"><li>▪ The potential adverse effects on the factors set out in CEEA 2012 section 5(1)(c) will be summarized in Section 11.3.9 of the Application. The potential adverse effects on the exercise of Aboriginal Interests will be summarized in Section 12.4 of the Application</li></ul>   | Part        | 11.6 – Accidents or Malfunctions   | 11-418 - 11-422  |          |
|                 |  | <ul style="list-style-type: none"><li>▪ An assessment of cumulative effects in accordance with section 19(1)(a) of CEEA 2012 with CEEA's Operational Policy Statement, <i>Assessing Cumulative Environmental Effects under the Canadian Environmental Assessment Act</i>, 2012 (May 2013)</li></ul>  | Part B      | 9.11 – Potential Cumulative Effects  | 9-50   |          |
| 10              | Effects of the Environment on the Proposed Project |  |             |  |  |          |
| 10.0            | Effects of the Environment on the Proposed Project | The Application will consider the effects of the following natural events on the proposed Project:   | Part B      | 10.0 – Effects of the Environment  | 10-1 – 10-24   |          |
|                 |  | <ul style="list-style-type: none"><li>▪ Extreme weather (i.e., temperature, precipitation, flooding, wind, underwater slope failure, mass wasting and waves)</li></ul>   | Part B      | 10.2.1 – Temperature<br>10.2.2 – Precipitation and Flooding<br>10.2.3 – Winds, Tides and Storms<br>10.2.4 – Seismic Events<br>10.2.5 – Slope Instability<br>10.2.8 – Climate Change  | 10-5<br>10-6 – 10-7<br>10-7 – 10-9<br>10-9 – 10-12<br>10-12 – 10-13<br>10-19 – 10-24 |          |
|                 |  | <ul style="list-style-type: none"><li>▪ Seismic events and tsunamis</li></ul>  | Part B      | 10.2.4 – Seismic Events<br>10.2.6 – Tsunamis   | 10-9 – 10-12<br>10-13 – 10-17  |          |
|                 |  | <ul style="list-style-type: none"><li>▪ Slope failure</li></ul>  | Part B      | 10.2.5 – Slope Instability   | 10-12 – 10-13  |          |
|                 |  | <ul style="list-style-type: none"><li>▪ Forest fires</li></ul>   | Part B      | 10.2.7 – Forest Fires  | 10-17 – 10-19  |          |
|                 |  | For these events, the Application will describe:   | Part B      |  |  |          |
|                 |  | <ul style="list-style-type: none"><li>▪ Any changes or effects on the proposed Project that may be caused by natural events under consideration</li></ul>  | Part B      | 10.2.1.3 – Potential Residual Effects on the Project<br>10.2.2.3 – Potential Residual Effects on the Project<br>10.2.3.3 – Potential Residual Effects on the Project<br>10.2.4.3 – Potential Residual Effects on the Project<br>10.2.5.3 – Potential Residual Effects on the Project<br>10.2.6.3 – Potential Residual Effects on the Project<br>10.2.7.3 – Potential Residual Effects on the Project<br>10.2.8.3 – Potential Residual Effects on the Project | 10-5<br>10-7<br>10-8 – 10-9<br>10-11<br>10-13<br>10-17<br>10-19<br>10-24             |          |
|                 |  | <ul style="list-style-type: none"><li>▪ The methods for assessing the potential risk of the event</li></ul>  | Part B      | 10.1.3- Methods for Assessment of Potential Effects  | 10-2 – 10-4  |          |
|                 |  |  |             |  |  |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section      |   | Description of Requirements of Relevant Section and/or Subsection  | Application |  |  | Appendix |
|------------------|---|--|-------------|--|--|----------|
| No.              | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 10.0<br>(cont'd) | Effects of the Environment on the Proposed Project (cont'd) | <ul style="list-style-type: none"> <li>Effects and/or consequences that may result</li> </ul>  | Part B      | 10.2.1.3 – Potential Residual Effects on the Project<br>10.2.2.3 – Potential Residual Effects on the Project<br>10.2.3.3 – Potential Residual Effects on the Project<br>10.2.4.3 – Potential Residual Effects on the Project<br>10.2.5.3 – Potential Residual Effects on the Project<br>10.2.6.3 – Potential Residual Effects on the Project<br>10.2.7.3 – Potential Residual Effects on the Project<br>10.2.8.3 – Potential Residual Effects on the Project | 10-5<br>10-7<br>10-8 – 10-9<br>10-11<br>10-13<br>10-17<br>10-19<br>10-24                 |          |
|                  |   | <ul style="list-style-type: none"> <li>Measures to mitigate the effects/consequences</li> </ul>  | Part B      | 10.2.1.2 – Preventative and Response Measures<br>10.2.2.2 – Preventative and Response Measures<br>10.2.3.2 – Preventative and Response Measures<br>10.2.4.2 – Preventative and Response Measures<br>10.2.5.2 – Preventative and Response Measures<br>10.2.6.2 – Preventative and Response Measures<br>10.2.7.2 – Preventative and Response Measures<br>10.2.8.2 – Preventative and Response Measures   | 10-5<br>10-6 – 10-7<br>10-8<br>10-11<br>10-12 – 10-13<br>10-17<br>10-19<br>10-23 – 10-24 |          |
|                  |   | <ul style="list-style-type: none"> <li>Likelihood and severity of the changes or effects</li> </ul>  | Part B      | 10.2.1.4 – Conclusion<br>10.2.2.4 – Conclusion<br>10.2.3.4 – Conclusion<br>10.2.4.4 – Conclusion<br>10.2.5.4 – Conclusion<br>10.2.6.4 – Conclusion<br>10.2.7.4 – Conclusion<br>10.2.8.4 – Conclusion   | 10-5<br>10-7<br>10-9<br>10-12<br>10-13<br>10-17<br>10-19<br>10-24                        |          |
|                  |   | The Application will also consider predicted climate change effects during the project lifecycle on sea-level rise, precipitation and temperatures. Where relevant and possible, the implications of such climate induced changes to the extreme weather events given above will also be assessed for each of these natural events.  | Part B      | 10.2.8 – Climate Change  | 10-19 – 10-24  |          |
|                  |   | The Application will provide a conclusion on the potential risk of these events to the proposed Project. Where applicable, the probability of occurrence of natural hazards will be identified based on provincial and/or national codes and standards, or Aurora LNG design factors.  | Part B      | 10.3 – Summary   | 10-24  |          |
|                  |   | The Application will also include specific reference to environmental effects as they are identified in section 5 of CEAA 2012.  | Part B      | 10.0 – Effects of the Environment  | 10-1 – 10-24   |          |
| <b>11</b>        | <b>Summary of Statutory Requirements under CEAA 2012</b>    |  |             |  |  |          |
| 11.1             | Overview  | As a requirement of a substituted environmental assessment, this section of the Application will describe how the requirements of subsection 5(1) and 5(2) of CEAA 2012 have been taken into account in the environmental assessment of the proposed Project. With the exception of those factors not covered elsewhere in the Application, this section will reference information and analyses in other relevant sections of the Application to demonstrate whether the proposed Project will likely result in significant adverse environmental effects per section 5(1) and 5(2) of CEAA 2012. | Part B      | 11.1 – Overview  | 11-1 – 11-2  |          |
| 11.1             | Overview  | The following environmental effects are defined by CEAA 2012, and will be addressed in the Application: <ul style="list-style-type: none"> <li>S. 5(1)(a) changes that may be caused to the following components of the environment that are within the legislative authority of Parliament:</li> </ul>  | Part B      | 11.1 – Overview  | 11-1 – 11-2  |          |

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Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |  | Appendix |
|-------------|--|--|-------------|---|--|----------|
| No.         | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>fish and fish habitat as defined in subsection 2(1) of the <i>Fisheries Act</i>,</li></ul>   | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1<br>Table 11.2-2 | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-3 – 11-4<br>11-7 – 11-10 |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>aquatic species as defined in subsection 2(1) of the <i>Species at Risk Act</i>,</li></ul>   | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1<br>Table 11.2-2 | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-3 – 11-4<br>11-7 – 11-10 |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>migratory birds as defined in subsection 2(1) of the <i>Migratory Birds Convention Act</i>, 1994, and</li></ul>  | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1<br>Table 11.2-2 | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-3 – 11-4<br>11-7 – 11-10 |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>any other component of the environment that is set out in Schedule 2</li></ul>   | Part B      | 11.1 – Overview   | 11-1 – 11-2  |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>S. 5(1)(b) – changes that may be caused to the environment that would occur</li></ul>  | Part B      | 11.1 – Overview   | 11-1 – 11-2  |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>on federal lands,</li></ul>  | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-3                 | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-12 – 11-14               |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>in a province other than the one in which the act or thing is done or where the physical activity, the designated project or the project is being carried out, or</li></ul>  | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)                                 | 11-1 – 11-2<br>11-2 – 11-20                                    |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>outside Canada</li></ul>   | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)                                 | 11-1 – 11-2<br>11-2 – 11-20                                    |          |
| 11.3        | Requirements Under CEAA 2012 Section 5(1)(c) | <ul style="list-style-type: none"><li>S. 5(1)(c) – with respect to aboriginal peoples, an effect occurring in Canada of any change that may be caused to the environment on</li></ul>  | Part B      | 11.3 – Requirements Under CEAA 2012 Section 5(1)(c)   | 11-21 – 11-379   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5(1)(c) | <ul style="list-style-type: none"><li>health and socio-economic conditions,</li></ul>  | Part B      | 11.3 – Requirements Under CEAA 2012 Section 5(1)(c)   | 11-21 – 11-379   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5(1)(c) | <ul style="list-style-type: none"><li>physical and cultural heritage,</li></ul>  | Part B      | 11.3 – Requirements Under CEAA 2012 Section 5(1)(c)   | 11-21 – 11-379   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5(1)(c) | <ul style="list-style-type: none"><li>the current use of lands and resources for traditional purposes, or</li></ul>  | Part B      | 11.3 – Requirements Under CEAA 2012 Section 5(1)(c)   | 11-21 – 11-379   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5(1)(c) | <ul style="list-style-type: none"><li>any structure, site or thing that is of historical, archaeological, paleontological or architectural significance</li></ul>  | Part B      | 11.3 – Requirements Under CEAA 2012 Section 5(1)(c)   | 11-21 – 11-379   |          |
| 11.1        | Overview                                     | <ul style="list-style-type: none"><li>S. 5(2)(a) – changes other than those referred to in paragraphs (1)(a) and (b), that may be caused to the environment and that is directly linked or necessarily incidental to a federal authority’s exercise of a power or performance of a duty or function that would permit the carrying out, in whole or in part, of the physical activity, the designated Project or the Project</li></ul> | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)                                 | 11-1 – 11-2<br>11-2 – 11-20                                    |          |

Table i-1 Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix |
|-------------|--|--|-------------|--|---|----------|
| No.         | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 11.1        | Overview   | <ul style="list-style-type: none"> <li>S. 5(2)(b) – an effect, other than those referred to in section 5(1)(c), of any change referred to in section 5(1)(c) on</li> </ul>   | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-4                              | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-17 – 11-19                          |          |
| 11.1        | Overview   | <ul style="list-style-type: none"> <li>health and socio-economic conditions,</li> </ul>  | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-4                              | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-17 – 11-19                          |          |
| 11.1        | Overview   | <ul style="list-style-type: none"> <li>physical and cultural heritage, or</li> </ul>   | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-4                              | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-17 – 11-19                          |          |
| 11.1        | Overview   | <ul style="list-style-type: none"> <li>any structure, site or thing that is of historical, archaeological, paleontological or architectural significance.</li> </ul>   | Part B      | 11.1 – Overview<br>11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-4                              | 11-1 – 11-2<br>11-2 – 11-20<br><br>11-17 – 11-19                          |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | This section of the Application will summarize how all aspects of sections 5(1)(a) & (b) and 5 (2) have been considered and assessed in the Application. This section will reference the sections of the Application that contain information relevant to the environmental effects defined by sections 5(1)(a) & (b) and 5(2) of CEAA 2012. Specifically: | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1<br>Table 11.2-2<br>Table 11.2-3<br>Table 11.2-4 | 11-2 – 11-20<br><br>11-3 – 11-4<br>11-7 – 11-10<br>11-13<br>11-17 – 11-19 |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"> <li>The spatial, temporal, administrative and technical study area boundaries, as applicable for the relevant VC</li> </ul>   | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1   | 11-2 – 11-20<br><br>11-3 – 11-4   |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"> <li>The approach to collecting baseline information, including field programs, desktop studies or modelling and reference to any applicable standards or methods used in the assessment</li> </ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1   | 11-2 – 11-20<br><br>11-3 – 11-4   |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"> <li>A summary of the regulatory or government context for the management of the relevant VC</li> </ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1   | 11-2 – 11-20<br><br>11-3 – 11-4   |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"> <li>Reference to any technical reports related to the relevant VC provided as part of the Application</li> </ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1   | 11-2 – 11-20<br><br>11-3 – 11-4   |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"> <li>A summary of anticipated relevant VC interactions with Project components or activities</li> </ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1   | 11-2 – 11-20<br><br>11-3 – 11-4   |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | This section of the Application will also include:   | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"> <li>A description of how each environmental effect was considered in the Application, including the specific VCs and/or key indicators that were assessed</li> </ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix |
|-------------|--|--|-------------|--|---|----------|
| No.         | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"><li>An explanation of potential environmental effects, including cumulative effects, where relevant</li></ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"><li>Proposed mitigation measures to reduce potential effects</li></ul>   | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"><li>Determination of the significance of residual effects</li></ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"><li>Recommendations for follow-up program elements, as needed</li></ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | <ul style="list-style-type: none"><li>Reference to the sections in the Application where additional information will be located</li></ul>  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-2   | 11-2 – 11-20<br><br>11-6 – 11-10  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | In instances where it is determined that the proposed Project would not likely result in an environmental effect as defined in sections 5(1)(a) & (b) and 5(2) of CEAA 2012, a rationale to substantiate this conclusion will be provided and no further assessment will be undertaken.  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)   | 11-2 – 11-20  |          |
| 11.2        | Requirements under CEAA 2012 Sections 5(1)(a) & (b) and 5(2) | Summary tables will be used to convey information as appropriate.  | Part B      | 11.2 – Requirements Under CEAA 2012 Sections 5(1)(a)(b) and 5(2)(a)(b)<br>Table 11.2-1<br>Table 11.2-2<br>Table 11.2-3<br>Table 11.2-4 | 11-2 – 11-20<br><br>11-3 – 11-4<br>11-7 – 11-10<br>11-13<br>11-17 – 11-19 |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | This section of the Application will address the specific requirements of CEAA 2012 section 5(1)(c). The proposed Project’s effects on asserted Aboriginal rights, including title, or such determined Aboriginal and treaty rights (“Aboriginal Interests”) for the Aboriginal Groups identified in the Section 11 Order will be assessed in a separate section located in Part C of the Application. | Part B      | 11.3 – Requirements Under CEAA 2012 Section 5(1)(c)  | 11-21 – 11-379  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | As set out in section 5(1)(c) of CEAA 2012, the environmental effects that are to be taken into account in relation to a designated project include, with respect to Aboriginal peoples, an effect occurring in Canada of any change that may be caused to the environment on:   | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | a) Health and socio-economic conditions  | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | b) Physical and cultural heritage  | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | c) The current use of lands and resources for traditional purposes   | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | d) Any structure, site or thing that is of historical, archaeological, paleontological or architectural significance   | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)                | For the purposes of this AIR, the four effects listed above are collectively referred to as the “section 5(1)(c) effects”.   | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection  | Application |  |   | Appendix |
|-------------|---|--|-------------|--|---|----------|
| No.         | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | Nexen will assess section 5(1)(c) effects for each entity identified as an “Aboriginal Group” in the Section 11 Order issued by the BC EAO for the proposed Project. These are:  | Part B      | 11.3.1 – Introduction  | 11-21 – 11-22   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | a) Metlakatla First Nation   | Part B      | 11.3.1 – Introduction<br>11.3.8 – Assessment of Section 5(1)(c) Effects – Metlakatla First Nation  | 11-21 – 11-22<br>11-110 – 11-160  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | b) Lax Kw’alaams Indian Band   | Part B      | 11.3.1 – Introduction<br>11.3.7 – Assessment of Section 5(1)(c) Effects – Lax Kw’alaams Band   | 11-21 – 11-22<br>11-63 – 11-110   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | c) Gitxaala Nation   | Part B      | 11.3.1 – Introduction<br>11.3.9 – Assessment of Section 5(1)(c) Effects – Gitxaala Nation  | 11-21 – 11-22<br>11-161 – 11-209  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | d) Kitselas First Nation   | Part B      | 11.3.1 – Introduction<br>11.3.11 – Assessment of Section 5(1)(c) Effects – Kitselas First Nation   | 11-21 – 11-22<br>11-256 – 11-301  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | e) Kitsumkalum First Nation  | Part B      | 11.3.1 – Introduction<br>11.3.10 – Assessment of Section 5(1)(c) Effects – Kitsumkalum First Nation  | 11-21 – 11-22<br>11-209 – 11-256  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | f) Gitga’at Nation   | Part B      | 11.3.1 – Introduction<br>11.3.12 – Assessment of Section 5(1)(c) Effects – Gitga’at First Nation   | 11-21 – 11-22<br>11-301 – 11-345  |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | In some cases, the assessment of specific 5(1)(c) effects may be conducted for more than one Aboriginal group, depending on the availability of disaggregated data. In such cases, a rationale explaining the reason for this will be included and separate conclusions will be provided for each of the listed Aboriginal Groups. | Part B      | Lax Kw’alaams Indian Band<br>11.3.7.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.7.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.7.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.7.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Metlakatla First Nation<br>11.3.8.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.8.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.8.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.8.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage | 11-73 – 11-99<br>11-99 – 11-103<br>11-104 – 11-106<br>11-107 – 11-110<br>11-123 – 11-149<br>11-149 – 11-153<br>11-154 – 11-157<br>11-157 – 11-160 |          |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection | Application |   |  | Appendix |
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| No.         | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) |   |             | Gitxaala Nation<br>11.3.9.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.9.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.9.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.9.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Kitsumkalum First Nation<br>11.3.10.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.10.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.10.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.10.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage   | 11-173 – 11-198<br>11-198 – 11-202<br>11-203 – 11-205<br>11-206 – 11-209<br>11-221 – 11-245<br>11-245 – 11-249<br>11-250 – 11-253<br>11-253 – 11-256   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) |   |             | Kitselas First Nation<br>11.3.11.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.11.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.11.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.11.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Gitga’at First Nation<br>11.3.12.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.12.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.12.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.12.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Métis Nation BC<br>11.3.13.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.13.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.13.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.13.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage | 11-265 – 11-290<br>11-290 – 11-294<br>11-294 – 11-297<br>11-298 – 11-301<br>11-309 – 11-334<br>11-334 – 11-338<br>11-339 – 11-342<br>11-342 – 11-345<br>11-352 – 11-369<br>11-369 – 11-373<br>11-373 – 11-376<br>11-376 – 11-379 |          |

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| No.         | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | Because of the differences in subject matter, the assessment of the proposed Project's environmental effects on Aboriginal "health and socio-economic conditions" will be divided into two separate subsections: "Aboriginal health" and "Aboriginal socio-economic conditions". | Part B      | 11.3.1 – Introduction<br>11.3.2.3 – Selection of Potential Effects and Measurable Parameters<br>11.3.4 – Project Interactions<br>11.3.6.2 – Aboriginal Health-Relevant VCs and Residual Effects<br>11.3.6.3 – Aboriginal Socio-Economic Conditions-Relevant VCs and Residual Effects<br>Lax Kw'alaams Band<br>11.3.7.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.7.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>Metlakatla First Nation<br>11.3.8.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.8.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>Gitxaala Nation<br>11.3.9.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.9.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions  | 11-21 – 11-22<br>11-24 – 11-29<br>11-43 – 11-44<br>11-59 – 11-60<br>11-60 – 11-62<br>11-99 – 11-103<br>11-104 – 11-106<br>11-149 – 11-153<br>11-154 – 11-157<br>11-198 – 11-202<br>11-203 – 11-205 |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) |  |             | Kitsumkalum First Nation<br>11.3.10.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.10.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>Kitselas First Nation<br>11.3.11.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.11.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>Gitga'at First Nation<br>11.3.12.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.12.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>Métis Nation BC<br>11.3.13.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.13.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.4.4 – Assessment of Cumulative Effects for Aboriginal Health<br>11.4.5 – Assessment of Cumulative Effects for Aboriginal Socio-Economic Conditions | 11-245 – 11-249<br>11-250 – 11-253<br>11-290 – 11-294<br>11-294 – 11-297<br>11-334 – 11-338<br>11-339 – 11-342<br>11-369 – 11-373<br>11-373 – 11-376<br>11-403 – 11-408<br>11-408 – 11-413         |          |

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| No.         | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c) | In contrast, the assessment of the proposed Project’s environmental effects on “physical and cultural heritage” and “any structure, site or thing of historical, archaeological, paleontological or architectural significance” will be contained in a single subsection because of the similar subject matter. | Part B      | 11.3.1 – Introduction<br>Lax Kw’alaams Band<br>11.3.7.6 – Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage<br>Metlakatla First Nation<br>11.3.8.6 - Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage<br>Gitxaala Nation<br>11.3.9.6 - Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage<br>Kitsumkalum First Nation<br>11.3.10.6 - Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage<br>Kitselas First Nation<br>11.3.11.6 - Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage<br>Gitga’at First Nation<br>11.3.12.6 - Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage<br>Metis Nation BC<br>11.3.13.6 - Assessment of CEAA 2012 5(1)(c) ii and iv –<br>Aboriginal Physical and Cultural Heritage | 11-21 – 11-22<br><br>11-107 – 11-110<br><br>11-157 – 11-160<br><br>11-206 – 11-209<br><br>11-253 – 11-256<br><br>11-298 – 11-301<br><br>11-342 – 11-345<br><br>11-376 – 11-379 |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection   | Application |   |  | Appendix |
|-------------|--|---|-------------|---|--|----------|
| No.         | Title  |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)  | The Application will:<br>a) Provide an overview of baseline conditions for the parameters listed in section 5(1)(c)(i-iv)<br>b) Provide an overview of its assessment for each section 5(1)(c) effect<br>c) Identify linkages between its assessment of section 5(1)(c) effects and the assessment of biophysical VCs<br>d) Describe how the results of the assessments in Part B will be integrated into its assessment of section 5(1)(c) effects   | Part B      | 11.3.3 – Existing Conditions<br>11.3.7.2 – Existing Conditions for Lax Kw’alaams Band<br>11.3.8.2 – Existing Conditions for Metlakatla First Nation<br>11.3.9.2 – Existing Conditions for Gitxaala Nation<br>11.3.10.2 – Existing Conditions for Kitsumkalum First Nation<br>11.3.11.2 – Existing Conditions for Kitselas First Nation<br>11.3.12.2 – Existing Conditions for Gitga’at First Nation<br>11.3.13.2 – Existing Conditions for Métis Nation of BC<br>11.3.5.1 – Method for the Assessment of Residual Effects<br>11.3.7 – Assessment of Section 5(1)(c) Effects – Lax Kw’alaams Band<br>11.3.8 – Assessment of Section 5(1)(c) Effects – Metlakatla First Nation<br>11.3.9 – Assessment of Section 5(1)(c) Effects – Gitxaala Nation<br>11.3.10 – Assessment of Section 5(1)(c) Effects – Kitsumkalum First Nation<br>11.3.11 – Assessment of Section 5(1)(c) Effects – Kitselas First Nation<br>11.3.12 – Assessment of Section 5(1)(c) Effects – Gitga’at First Nation<br>11.3.13 – Assessment of Section 5(1)(c) Effects – Métis Nation BC<br>11.3.2.3 – Selection of Potential Effects and Measurable Parameters<br>11.3.2.4 – Boundaries<br>11.3.6.1 – Current Use-Relevant VCs and Residual Effects | 11-43<br>11-63 – 11-73<br>11-110 – 11-123<br>11-161 – 11-172<br>11-209 – 11-221<br>11-256 – 11-265<br>11-301 – 11-309<br>11-345 – 11-352<br>11-45 – 11-46<br>11-63 – 11-110<br>11-110 – 11-160<br>11-161 – 11-209<br>11-209 – 11-256<br>11-256 – 11-301<br>11-301 – 11-345<br>11-345 – 11-379<br>11-24 – 11-29<br>11-29 – 11-37<br>11-47 – 11-58 |          |
| 11.3        | Requirements Under CEAA 2012 Section 5 (1)(c)  |   |             | 11.3.6.2 – Aboriginal Health – Relevant VCs and Residual Effects<br>11.3.6.3 – Aboriginal Socio-Economic Conditions-Relevant VCs and Residual Effects<br>11.3.6.4 – Aboriginal Physical and Cultural Heritage-Relevant VCs and Residual Effects   | 11-59 – 11-60<br>11-60 – 11-62<br>11-62 – 11-63  |          |
| 11.3.1      | Scope of Assessment  | This section will define and describe the scope of the assessment for section 5(1)(c) effects resulting from the LNG facility and associated shipping activities.   | Part B      | 11.3.2 – Scope of Assessment  | 11-22 – 11-42  |          |
| 11.3.1.1    | Regulatory and Policy Setting  | The scope of assessment will include a description of the regulatory and policy setting, including relevant sections of CEAA 2012 and related technical guidance documents issued by both the CEA Agency and the BC EAO.  | Part B      | 11.3.2.1 – Regulatory and Policy Setting  | 11-22 – 11-23  |          |
| 11.3.1.2    | Influence of Consultation on the Identification of Issues and the Assessment Process | The Application will describe how information obtained through consultation with Aboriginal Groups was taken into account in the assessment. The integration of available TK and TU in the assessment will also be described.   | Part B      | 11.3.2.2 – Influence of Consultation on the Assessment  | 11-23 – 11-24  |          |
| 11.3.1.3    | Selection of Potential Environmental Effects and Measurable Parameters               | This section will identify and describe potential environmental effects that will be included in the assessment of section 5(1)(c) effects and the measurable parameters that will be used (see Table 11-1 of the AIR). This assessment will draw on relevant VC assessments in Part B of the Application. Anticipated VC assessments are detailed in Table 11-1 of the AIR, however these may be subject to change based on continued engagement and consultation between Nexen and Aboriginal Groups. | Part B      | 11.3.2.3 – Selection of Potential Effects and Measurable Parameters   | 11-24 – 11-29  |          |

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| No.         | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 11.3.1.4    | Boundaries                                   | The Application will describe and provide a rationale for the selection of the spatial boundaries for the assessment of each section 5(1)(c) effect.   | Part B      | 11.3.2.4 – Boundaries   | 11-29 – 11-37   |          |
| 11.3.1.5    | Residual Effects Description Criteria        | The following criteria will be used in the Application to characterize (describe) the residual section 5(1)(c) effects:  | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
|             |  | ▪ Magnitude—The amount of change in measurable parameters relative to existing conditions. (e.g., negligible, low, moderate, high).  | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
|             |  | ▪ Geographical Extent—The geographic area in which an environmental effect occurs.   | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
|             |  | ▪ Frequency—Identifies when the residual effect occurs and how often during the proposed Project or in a specific phase (e.g., single event, multiple irregular events, multiple regular events, continuous).  | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
|             |  | ▪ Duration—The period of time required until the measurable parameter returns to its existing condition, or the effect can no longer be measured or otherwise perceived (e.g., short-term, medium term, long term, permanent).   | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
|             |  | ▪ Reversibility—Whether or not the residual effect can be reversed once the physical work or activity causing the disturbance ceases.  | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
|             |  | ▪ Context—Refers primarily to the sensitivity and resilience of the section 5(1)(c) effect included in the assessment. Context draws heavily on an understanding of existing conditions, which may reflect cumulative effects of other projects and activities that have been carried out, and information about the impact of natural and human-caused trends on the condition of the section 5(1)(c) effect. Project effects may have a higher effect if they occur in areas or regions that: have already been adversely affected by human activities (i.e., disturbed or undisturbed) or are ecologically fragile and have little resilience to imposed stresses (i.e., fragile).  | Part B      | 11.3.2.5 – Residual Effects Description Criteria  | 11-37 – 11-41   |          |
| 11.3.1.6    | Significance Thresholds for Residual Effects | The Application will identify threshold criteria or standards for each section 5(1)(c) effect beyond which a residual effect would be considered significant.  | Part B      | 11.3.2.7 – Significance Thresholds for Residual Effects   | 11-42   |          |
| 11.3.2      | Existing Conditions                          | This subsection of the Application will summarize relevant baseline conditions for each Aboriginal Group, including any available information on Aboriginal traditional practices and the current use of lands and resources for traditional purposes that may interact with the proposed Project. Nexen will make all reasonable efforts to gather sufficient background information on Aboriginal activities and use to be able to adequately assess the 5(1)(c) factors. Information provided by Aboriginal Groups will be considered where such information is made available in a timely manner, Information presented in Part C of the Application and in any technical appendices will be referenced where appropriate. | Part B      | 11.3.7.2 – Existing Conditions for Lax Kw'alaams Band<br>11.3.8.2 – Existing Conditions for Metlakatla First Nation<br>11.3.9.2 – Existing Conditions for Gitxaala Nation<br>11.3.10.2 – Existing Conditions for Kitsumkalum First Nation<br>11.3.11.2 – Existing Conditions for Kitselas First Nation<br>11.3.12.2 – Existing Conditions for Gitga'at First Nation<br>11.3.13.2 – Existing Conditions for Métis Nation BC    | 11-63 – 11-73<br>11-110 – 11-123<br>11-161 – 11-172<br>11-209 – 11-221<br>11-256 – 11-265<br>11-301 – 11-309<br>11-345 – 11-352 |          |
|             |  | A brief summary of data sources (both past sources and data collected for the proposed Project) will be provided and any important data gaps will be identified.   | Part B      | 11.3.7.2 – Existing Conditions for Lax Kw'alaams Band<br>11.3.8.2 – Existing Conditions for Metlakatla First Nation<br>11.3.9.2 – Existing Conditions for Gitxaala Nation<br>11.3.10.2 – Existing Conditions for Kitsumkalum First Nation<br>11.3.11.2 – Existing Conditions for Kitselas First Nation<br>11.3.12.2 – Existing Conditions for Gitga'at First Nation<br>11.3.13.2 – Existing Conditions for Métis Nation of BC | 11-63 – 11-73<br>11-110 – 11-123<br>11-161 – 11-172<br>11-209 – 11-221<br>11-256 – 11-265<br>11-301 – 11-309<br>11-345 – 11-352 |          |

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| No.         | Title                          |  | Volume           | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 11.3.2      | Existing Conditions            | In the event of limited or absent information, adequate documentation of the efforts undertaken to understand Aboriginal use of biophysical resources will be detailed in Section 12 of the Application.   | Part B<br>Part C | 11.3.5.2 – Assumptions<br>12.5.2.1 – Identification of Aboriginal Interests<br>12.5.2.2 – Existing Conditions<br>12.5.4.1 – Introduction (Lax Kw'alaams Band)<br>12.5.5.1 – Introduction (Metlakatla First Nation)<br>12.5.6.1 – Introduction (Gitxaala Nation)<br>12.5.7.1 – Introduction (Kitsumkalum First Nation)<br>12.5.8.1 – Introduction (Kitselas First Nation)<br>12.5.9.1 – Introduction (Gitga'at First Nation)  | 11-47<br>12-61<br>12-61 – 12-62<br>12-69<br>12-103<br>12-152<br>12-197<br>12-239<br>12-274   |          |
| 11.3.3      | Project Interactions           | The Application will include a description of project interactions identified in Part B of the Application that are relevant to the section 5(1)(c) effects based on the methods outlined in Section 3.5.  | Part B           | 11.3.4 – Project Interactions  | 11-43 – 11-44  |          |
| 11.3.4      | Assessment of Residual Effects | An assessment of how the residual environmental effects of the proposed Project in turn may affect Aboriginal peoples (i.e., section 5(1)(c) effects) will be completed for each Aboriginal group and will be based on the methods described in Figure 11-1 of the AIR and Section 3.6 (with modifications where appropriate). For each section 5(1)(c) effect, the assessment will include: | Part B           | 11.3.7 – Assessment of Section 5(1)(c) Effects – Lax Kw'alaams Band<br>11.3.8 – Assessment of Section 5(1)(c) Effects – Metlakatla First Nation<br>11.3.9 – Assessment of Section 5(1)(c) Effects – Gitxaala Nation<br>11.3.10 – Assessment of Section 5(1)(c) Effects – Kitsumkalum First Nation<br>11.3.11 – Assessment of Section 5(1)(c) Effects – Kitselas First Nation<br>11.3.12 – Assessment of Section 5(1)(c) Effects – Gitga'at First Nation<br>11.3.13 – Assessment of Section 5(1)(c) Effects – Métis Nation BC<br>11.3.5.1 – Method for the Assessment of Residual Effects<br>11.3.5.2 – Assumptions | 11-63 – 11-110<br>11-110 – 11-160<br>11-161 – 11-209<br>11-209 – 11-256<br>11-256 – 11-301<br>11-301 – 11-345<br>11-345 – 11-379<br>11-45 – 11-46<br>11-47 |          |
| 11.3.4      | Assessment of Residual Effects | <ul style="list-style-type: none"> <li>A description of the approach and analytical methods, including any assumptions incorporated into the assessment</li> </ul>   | Part B           | 11.3.5.1 – Method for the Assessment of Residual Effects<br>11.3.5.2 – Assumptions   | 11-45 – 11-46<br>11-47   |          |
| 11.3.4      | Assessment of Residual Effects | <ul style="list-style-type: none"> <li>A description of mitigation measures</li> </ul>   | Part B           | 11.3.6.1 – Current Use-Relevant VCs and Residual Effects<br>11.3.6.2 – Aboriginal Health - Relevant VCs and Residual Effects<br>11.3.6.3 – Aboriginal Socio-Economic Conditions - Relevant VCs and Residual Effects<br>11.3.6.4 – Aboriginal Physical and Cultural Heritage - Relevant VCs and Residual Effects  | 11-47 – 11-57<br>11-59 – 11-60<br>11-60 – 11-62<br>11-62 – 11-63   |          |

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| 11.3.4      | Assessment of Residual Effects | <ul style="list-style-type: none"><li>A characterization of residual effects</li></ul> | Part B      | Lax Kw'alaams Indian Band<br>11.3.7.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.7.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.7.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.7.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Metlakatla First Nation<br>11.3.8.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.8.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.8.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.8.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Gitxaala Nation<br>11.3.9.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.9.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.9.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.9.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage | 11-73 – 11-99<br>11-99 – 11-103<br>11-104 – 11-106<br>11-107 – 11-110<br>11-123 – 11-149<br>11-149 – 11-153<br>11-154 – 11-157<br>11-157 – 11-160<br>11-173 – 11-198<br>11-198 – 11-202<br>11-203 – 11-205<br>11-206 – 11-209 |          |

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| AIR Section |                                  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |  | Appendix |
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| No.         | Title                            |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| 11.3.4      | Assessment of Residual Effects   |  |             | Kitsumkalum First Nation<br>11.3.10.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.10.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.10.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio- Economic Conditions<br>11.3.10.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Kitselas First Nation<br>11.3.11.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.11.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.11.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.11.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage<br>Gitga'at First Nation<br>11.3.12.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.12.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.12.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.12.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage | 11-221 – 11-245<br>11-245 – 11-249<br>11-250 – 11-253<br>11-253 – 11-256<br>11-265 – 11-290<br>11-290 – 11-294<br>11-294 – 11-297<br>11-298 – 11-301<br>11-309 – 11-334<br>11-334 – 11-338<br>11-339 – 11-342<br>11-342 – 11-345 |          |
| 11.3.4      | Assessment of Residual Effects   |  |             | Métis Nation BC<br>11.3.13.3 – Assessment of CEAA 2012 5(1)(c)iii – Current Use of Lands and Resources for Traditional Purposes<br>11.3.13.4 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Health<br>11.3.13.5 – Assessment of CEAA 2012 5(1)(c) i – Aboriginal Socio-Economic Conditions<br>11.3.13.6 – Assessment of CEAA 2012 5(1)(c) ii and iv – Aboriginal Physical and Cultural Heritage   | 11-352 – 11-369<br>11-369 – 11-373<br>11-373 – 11-376<br>11-376 – 11-379   |          |
| 11.3.5      | Assessment of Cumulative Effects | The Application will include an assessment of cumulative section 5(1)(c) effects based on the methods for a cumulative effects assessment outlined in Section 3.7 (with modifications where appropriate). Any modifications to those listed in Section 3.7 will be accompanied with a rationale and cross referencing to Section 12 (Aboriginal Consultation). | Part B      | 11.4 – Assessment of Cumulative Effects for CEAA 2012 Section 5(1)(c)   | 11-379 – 11-416  |          |

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| AIR Section |   | Description of Requirements of Relevant Section and/or Subsection   | Application |   |   | Appendix |
|-------------|---|---|-------------|---|---|----------|
| No.         | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 11.3.6      | Significance of Residual and Cumulative Section 5(1)(c) Effects | The Application will make a prediction on the significance of both project-specific and cumulative section 5(1)(c) effects based upon the methodology described in Section 3.8.   | Part B      | 11.3.7 – Assessment of Section 5(1)(c) Effects – Lax Kw'alaams Band<br>11.3.8 – Assessment of Section 5(1)(c) Effects – Metlakatla First Nation<br>11.3.9 – Assessment of Section 5(1)(c) Effects – Gitxaala Nation<br>11.3.10 – Assessment of Section 5(1)(c) Effects – Kitsumkalum First Nation<br>11.3.11 – Assessment of Section 5(1)(c) Effects – Kitselas First Nation<br>11.3.12 – Assessment of Section 5(1)(c) Effects – Gitga'at First Nation<br>11.3.13 – Assessment of Section 5(1)(c) Effects – Métis Nation BC<br>11.4.3.6 – Significance of Residual Cumulative Effects on Current Use<br>11.4.4.5 – Significance of Residual Cumulative Effects on Aboriginal Health<br>11.4.5.5 – Significance of Residual Cumulative Effects on Aboriginal Socio-Economic Conditions<br>11.4.6.5 – Significance of Residual Cumulative Effects on Aboriginal Physical and Cultural Heritage<br>11.8 – Conclusions | 11-63 – 11-110<br>11-110 – 11-160<br>11-161 – 11-209<br>11-209 – 11-256<br>11-256 – 11-301<br>11-301 – 11-345<br>11-345 – 11-379<br>11-402<br>11-408<br>11-412 – 11-413<br>11-415 – 11-416<br>11-437 – 11-438 |          |
| 11.3.7      | Project Contribution to Cumulative Effects                      | The Application will describe the proposed Project's contribution to the residual cumulative section 5(1)(c) effects (i.e., how much of the total residual cumulative section 5(1)(c) effects can be attributed to the proposed Project). | Part B      | 11.4.3.2 – Characterization of Residual Cumulative Effects for Consumptive Traditional Use<br>11.4.3.3 – Characterization of Residual Cumulative Effects for Non-Consumptive Use<br>11.4.3.4 – Summary of Residual Cumulative Effects on Current Use<br>11.4.3.2 – Characterization of Residual Cumulative Effects on Aboriginal Health<br>11.4.4.3 – Summary of Residual Cumulative Effects on Aboriginal Health<br>11.4.5.2 – Characterization of Residual Cumulative Effects on Aboriginal Socio-Economic Conditions<br>11.4.5.3 – Summary of Residual Cumulative Effects on Aboriginal Socio-Economic Conditions<br>11.4.6.2 – Characterization of Residual Cumulative Effects on Aboriginal Physical and Cultural Heritage<br>11.4.6.3 – Summary of Residual Cumulative Effects on Aboriginal Physical and Cultural Heritage   | 11-383 – 11-398<br>11-398 – 11-402<br>11-402<br>11-404 – 11-406<br>11-407<br>11-409 – 11-411<br>11-411 – 11-412<br>11-413 – 11-414<br>11-414 – 11-415   |          |
| 11.3.8      | Prediction Confidence   | The Application will describe the level of confidence in the conclusions regarding Project-specific residual and cumulative section 5(1)(c) effects.  | Part B      | 11.5 – Prediction Confidence  | 11-416  |          |
| 11.3.9      | Accidents or Malfunctions                                       | The Application will summarize the potential adverse effects caused by the potential accident or malfunction events identified in section 9 on the factors set out in CEAA 2012 Section 5(1)(c).  | Part B      | 11.6 – Accidents or Malfunctions  | 11-416 – 11-420   |          |

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|---------------|--------------------------------|--|-------------|--|---|---|
| No.           | Title                          |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |   |
| 11.3.10       | Views of Aboriginal Groups     | The Application will report on the views of Aboriginal Groups with respect to section 5(1)(c) effects, where such views are provided to Nexen in a timely manner.  | Part B      | 11.7 – Views of Aboriginal Groups<br>11.7.1 – Views of Lax Kw'alaams Band<br>11.7.2 – Views of Metlakatla First Nation<br>11.7.3 – Views of Gitxaala Nation<br>11.7.4 – Views of Kitsumkalum First Nation<br>11.7.5 – Views of Kitselas First Nation<br>11.7.6 – Views of Gitga'at First Nation<br>11.7.7 – Views of Métis Nation BC | 11-420 – 11-437<br>11-422 – 11-423<br>11-424 – 11-425<br>11-426 – 11-429<br>11-430 – 11-431<br>11-432 – 11-433<br>11-434 – 11-436<br>11-437 |   |
| 11.3.11       | Conclusions                    | The Application will include a conclusion on adequacy of mitigation measures related to the paragraph 5(1)(c) effects. This will include a brief summary of relevant proposed follow-up and monitoring programs.   | Part B      | 11.8 – Conclusions   | 11-437 – 11-438   |   |
| 11.4          | CEAA 2012 Summary Table        | As an Appendix to Part B, the Application will include a table that summarizes how all the CEAA subsection 19(1) factors have been considered by Nexen. The table will include a summary of section 5 environmental effects and the significance of these effects, where required. This table will also summarize required authorizations from federal agencies. Table 11-2 of the AIR illustrates the type of information that could be included in such an Appendix.   | Part B      | 11.9 – CEAA 2012 Summary Tables<br>Table 11.9-1  | 11-438 – 11-443<br>11-439 – 11-443  |   |
| <b>PART C</b> | <b>ABORIGINAL CONSULTATION</b> |  |             |  |   |   |
| <b>12</b>     | <b>Aboriginal Consultation</b> |  |             |  |   |   |
| 12.1          | Introduction                   | The Application will:  | Part C      |  |   |   |
|               |                                | <ul style="list-style-type: none"> <li>Provide a brief summary of the key findings of Part C.</li> </ul>   | Part C      | 12.1.2 – Key Findings  | 12-2 – 12-11<br>Table 12.1-2<br>Table 12.1-3<br>Table 12.1-4<br>Table 12.1-5<br>Table 12.1-6<br>Table 12.1-7                                |   |
|               |                                | <ul style="list-style-type: none"> <li>Describe the approach taken by Nexen to assess the proposed Project's potential adverse effects on the exercise of Aboriginal Interests and to address other matters of concern related to the Aboriginal Groups listed in Schedule B of the proposed Project's Section 11 Order.</li> </ul>  | Part C      | 12.1.1 – Assessment Approach and Methods   | 12-2  |   |
| 12.2          | Background                     | <p>For the purposes of Part C of the Application, the Aboriginal Groups discussed in this section of the Application are those identified in Schedule B of the proposed Project's Section 11 Order of August 25, 2014, as amended by the December 16, 2014 Section 13 Order (Schedule B Aboriginal Groups):</p> <ul style="list-style-type: none"> <li>Metlakatla First Nation</li> <li>Lax Kw'alaams Indian Band</li> <li>Gitxaala Nation</li> <li>Kitselas First Nation</li> <li>Kitsumkalum First Nation</li> </ul> | Part C      | 12.1 – Introduction  | 12-1 – 12-11<br>Table 12.1-1  | Aboriginal Consultation<br>Technical Data Report –<br>Appendix S2 |

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| AIR Section      |  | Description of Requirements of Relevant Section and/or Subsection   | Application |  |   | Appendix  |
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| No.              | Title  |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |   |
| 12.2<br>(cont'd) | Background<br>(cont'd)                         | A map will be provided that identifies Aboriginal communities and Indian Reserves for Schedule B Aboriginal Groups relative to the proposed Project location.   | Part C      | 12.2.3.1 – Communities and Reserves<br>Figure 12.2-1 - Lax Kw'alaams Band Traditional Territory<br>12.2.4.1 – Communities and Reserves<br>Figure 12.2-2 - Metlakatla First Nation Traditional Territory<br>12.2.5.1 – Communities and Reserves<br>Figure 12.2-3 - Gitxaala Nation Traditional Territory<br>12.2.6.1 – Communities and Reserves<br>Figure 12.2-4 - Kitsumkalum First Nation Traditional Territory<br>12.2.7.1 – Communities and Reserves<br>Figure 12.2-5 - Kitselas First Nation Traditional Territory<br>12.2.8.1 – Communities and Reserves<br>Figure 12.2-6 – Gitga'at First Nation Traditional Territory | 12-15<br>12-17<br>12-19<br>12-20<br>12-23<br>12-24<br>12-27<br>12-28<br><br>12-30<br>12-31<br>12-33<br>12-34        |   |
|                  |  | The Application will:   | Part C      |  |   |   |
|                  |  | ▪ Provide a brief summary of publicly available and relevant information on ethnography, language, land use setting and planning, governance, economy and Indian Reserves for Schedule B Aboriginal Groups. References to other information sources may be included to provide readers with more detailed background information. | Part C      | 12.2.2 – Tsimshian Cultural Groups<br>12.2.3 – Lax Kw'alaams Band<br>12.2.4 – Metlakatla First Nation<br>12.2.5 – Gitxaala Nation<br>12.2.6 – Kitsumkalum First Nation<br>12.2.7 – Kitselas First Nation<br>12.2.8 – Gitga'at First Nation   | 12-12 – 12-14<br>12-15 – 12-19<br>12-19 – 12-22<br>12-23 – 12-25<br>12-26 – 12-30<br>12-30 – 12-33<br>12-33 – 12-36 |   |
|                  |  | ▪ Include maps that identify Aboriginal communities and asserted or traditional territories for Schedule for Schedule B Aboriginal Groups   | Part C      | 12.2.3.1 – Communities and Reserves<br>Figure 12.2-1 - Lax Kw'alaams Band Traditional Territory<br>12.2.4.1 – Communities and Reserves<br>Figure 12.2-2 - Metlakatla First Nation Traditional Territory<br>12.2.5.1 – Communities and Reserves<br>Figure 12.2-3 - Gitxaala Nation Traditional Territory<br>12.2.6.1 – Communities and Reserves<br>Figure 12.2-4 - Kitsumkalum First Nation Traditional Territory<br>12.2.7.1 – Communities and Reserves<br>Figure 12.2-5 - Kitselas First Nation Traditional Territory<br>12.2.8.1 – Communities and Reserves<br>Figure 12.2-6 – Gitga'at First Nation Traditional Territory | 12-15<br>12-17<br>12-19<br>12-20<br>12-23<br>12-24<br>12-27<br>12-28<br><br>12-30<br>12-31<br>12-33<br>12-34        |   |
| 12.3             | Consultation Activities with Aboriginal Groups | Nexen's consultation activities with Schedule B Aboriginal Groups will be summarized in this section of the Application. In particular, this section will:  | Part C      | 12.3 – Consultation Activities with Aboriginal Groups  | 12-36 – 12-54   | Aboriginal Consultation Report #2 – Appendix S1 |
|                  |  | ▪ Provide a brief summary of the second Aboriginal Consultation Report, including past and planned Aboriginal consultation activities with Schedule B Aboriginal Groups conducted by the Proponent. The second Aboriginal Consultation Report will be attached as an Appendix to the Application.                                 | Part C      | 12.3 – Consultation Activities with Aboriginal Groups  | 12-36 – 12-54   | Aboriginal Consultation Report #2 – Appendix S1 |
|                  |  | ▪ Summarize proposed changes to the Aboriginal Consultation Plan resulting from the feedback from Schedule B Aboriginal Groups, or experience from consultation to date, as required.   | Part C      | 12.3 – Consultation Activities with Aboriginal Groups  | 12-36 – 12-54   |   |

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| No.              | Title   |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |   |
| 12.3<br>(cont'd) | Consultation Activities with Aboriginal Groups (cont'd) | <ul style="list-style-type: none"> <li>Provide a table that summarizes the key issues raised by Schedule B Aboriginal Groups regarding the environmental assessment along with Nexen's responses to these issues and the status of the issue (i.e., whether it has been resolved).</li> </ul>            | Part C      | 12.3.1 – Lax Kw'alaams Band<br>Table 12.3-1<br>12.3.2 – Metlakatla First Nation<br>Table 12.3-2<br>12.3.3 – Gitxaala Nation<br>Table 12.3-3<br>12.3.4 – Kitsumkalum First Nation<br>Table 12.3-4<br>12.3.5 – Kitselas First Nation<br>Table 12.3-5<br>12.3.5 – Gitga'at First Nation<br>Table 12.3-6<br>12.8 - Issues Summary<br>Table 12.8-1  | 12-40 – 12-41<br>12-40 – 12-41<br>12-42 – 12-47<br>12-42 – 12-47<br>12-48<br>12-48<br>12-49 – 12-50<br>12-49 – 12-50<br>12-51 – 12-52<br>12-51 – 12-52<br>12-53 – 12-54<br>12-53 – 12-54<br>12-314<br>12-315 | Aboriginal Consultation Report #2 – Appendix S1             |
| 12.4             | Traditional Knowledge and Traditional Use               | The Application will provide a summary of available TK and TU information with a description of how the information was gathered and how it was incorporated into the assessment of potential adverse effects of the proposed Project on Aboriginal Interests exercised by Schedule B Aboriginal Groups. | Part C      | 12.4 – Traditional Knowledge and Traditional Use   | 12-55 – 12-59  | Aboriginal Consultation Technical Data Report – Appendix S2 |
| 12.5             | Aboriginal Interests                                    | To the extent that this information is shared with the Proponent during consultation activities, or is otherwise publicly available, this section of the Application will provide the following information related to Schedule B Aboriginal Groups:   | Part C      | 12.5.1 – Introduction  | 12-60  | Aboriginal Consultation Technical Data Report – Appendix S2 |
|                  |   | <ul style="list-style-type: none"> <li>A summary of non-confidential past, present and anticipated future uses of the proposed Project footprint</li> </ul>  | Part C      | 12.5.4.3 – Summary of Past, Present, and Anticipated Future Use of the Project Vicinity (Lax Kw'alaams Band)<br>12.5.5.3 – Summary of Past, Present, and Anticipated Future Use of the Project Vicinity (Metlakatla First Nation)<br>12.5.6.3 – Summary of Past, Present, and Anticipated Future Use of the Project Vicinity (Gitxaala Nation)<br>12.5.7.3 – Summary of Past, Present, and Anticipated Future Use of the Project Vicinity (Kitsumkalum First Nation)<br>12.5.8.3 – Summary of Past, Present, and Anticipated Future Use of the Project Vicinity (Kitselas First Nation)<br>12.5.9.3 – Summary of Past, Present, and Anticipated Future Use of the Project Vicinity (Gitga'at First Nation) | 12-70 – 12-71<br>12-104 – 12-107<br>12-152 – 12-156<br>12-197 – 12-200<br>12-239 – 12-241<br>12-274 – 12-276   |   |
|                  |   | <ul style="list-style-type: none"> <li>A description of Aboriginal Interests for each Schedule B Aboriginal Group identified through secondary research or during consultation activities</li> </ul>   | Part C      | 12.5.4.4 – Description of Aboriginal Interests (Lax Kw'alaams Band)<br>12.5.5.4 – Description of Aboriginal Interests (Metlakatla First Nation)<br>12.5.6.4 – Description of Aboriginal Interests (Gitxaala Nation)<br>12.5.7.4 – Description of Aboriginal Interests (Kitsumkalum First Nation)<br>12.5.8.4 – Description of Aboriginal Interests (Kitselas First Nation)<br>12.5.9.4 – Description of Aboriginal Interests (Gitga'at First Nation)   | 12-71 – 12-72<br>12-107 – 12-108<br>12-156<br>12-200 – 12-201<br>12-241<br>12-276 – 12-277   |   |

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| No.         | Title                |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 12.5        | Aboriginal Interests | <ul style="list-style-type: none"><li>How the proposed Project may adversely affect the exercise of Aboriginal Interests by Schedule B Aboriginal Groups. This includes a discussion of:</li><li>Existing (baseline) conditions of relevant VCs assessed in Part B</li><li>Residual and cumulative adverse effects on VCs assessed in Part B that may be associated with the exercise of Aboriginal Interests</li><li>Proposed mitigation measures designed to avoid, reduce, or otherwise manage potential adverse effects on the exercise of Aboriginal Interests, consistent with Section 11.3</li><li>The degree to which the proposed Project may result in residual adverse effects on the exercise of Aboriginal Interests by Schedule B Aboriginal Groups based upon the methodology described in Section 3 and taking into account the following two factors:</li><li>The relative importance of the proposed Project area and its surroundings to the exercise of each Schedule B Aboriginal Group's Aboriginal Interests, including any special characteristics or unique features of that area; and</li><li>The relative availability of other areas in reasonable proximity, within the traditional territory of each Schedule B Aboriginal Group, where the meaningful exercise of Aboriginal Interests could reasonably occur.</li><li>Where there is overlap between Aboriginal Interests and a VC, the information from other sections of the Application will be cross-referenced and summarized in the context of the specific Schedule B Aboriginal Group's Aboriginal interest.</li></ul> | Part C      | <div>12.5.4.5 – Assessment of Effects on Lax Kw'alaams Band Aboriginal Title</div> <div>12.5.4.6 – Assessment of Effects on Lax Kw'alaams Band Harvesting-Related Aboriginal Interests</div> <div>12.5.4.7 – Assessment of Effects on Lax Kw'alaams Cultural Wellbeing</div> <div>12.5.4.8 – Assessment of Effects on Lax Kw'alaams Band Traditional Governance</div> <div>12.5.4.9 – Assessment of Effects on Lax Kw'alaams Band Right to Self-Determination and Self-Governance</div> <div>12.5.5.5 – Assessment of Effects on Metlakatla First Nation Aboriginal Title</div> <div>12.5.5.6 – Assessment of Effects on Metlakatla First Nation's Harvesting-Related Aboriginal Interests</div> <div>12.5.5.7 – Assessment of Effects on Metlakatla First Nation Cultural Wellbeing</div> <div>12.5.5.8 – Assessment of Effects on Metlakatla First Nation Traditional Governance</div> <div>12.5.5.9 – Assessment of Effects on Metlakatla First Nation Right to Self-Determination and Self-Governance</div> <div>12.5.5.10 – Assessment of Effects on Metlakatla First Nation Use of Trails and Travelways</div> <div>12.5.5.11 – Assessment of Effects on the Right to the Enjoyment of the Highest Attainable Standard of Physical and Mental Health</div> <div>12.5.5.12 – Assessment of Effects on Metlakatla First Nation Economic Opportunities</div> <div>12.5.6.5 – Assessment of Effects on Gitxaala Nation Aboriginal Title</div> <div>12.5.6.6 – Assessment of Effects on Gitxaala Nation Harvesting-Related Aboriginal Interests</div> <div>12.5.6.7 – Assessment of Effects of Gitxaala Nation Cultural Wellbeing</div> <div>12.5.6.8 – Assessment of Effects on Gitxaala Nation Traditional Governance</div> <div>12.5.6.9 – Assessment of Effects on Gitxaala Nation Right to Self-Government</div> <div>12.5.6.10 – Assessment of Effects on Gitxaala Nation Use of Marine Travelways</div> <div>12.5.6.11 – Assessment of Effects on Gitxaala Nation Economic Opportunities</div> <div>12.5.7.5 – Assessment of Effects on Kitsumkalum First Nation Aboriginal Title</div> <div>12.5.7.6 – Assessment of Effects on Kitsumkalum First Nation Harvesting-Related Aboriginal Interests</div> <div>12.5.7.7 – Assessment of Effects on Kitsumkalum First Nation Cultural Wellbeing</div> | <div>12-72 – 12-75</div> <div>12-75 – 12-88</div> <div>12-88 – 12-95</div> <div>12-96 – 12-98</div> <div>12-99 – 12-101</div> <div>12-108 – 12-111</div> <div>12-111 – 12-126</div> <div>12-126 – 12-135</div> <div>12-136 – 12-138</div> <div>12-138 – 12-141</div> <div>12-141 – 12-144</div> <div>12-144 – 12-149</div> <div>12-149 – 12-150</div> <div>12-157 – 12-159</div> <div>12-160 – 12-176</div> <div>12-177 – 12-186</div> <div>12-186 – 12-189</div> <div>12-190 – 12-191</div> <div>12-192 – 12-194</div> <div>12-194 – 12-196</div> <div>12-201 – 12-204</div> <div>12-204 – 12-218</div> <div>12-218 – 12-226</div> |          |

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| No.         | Title                |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 12.5        | Aboriginal Interests |   |             | 12.5.7.8 – Assessment of Effects on Kitsumkalum First Nation Traditional Governance<br>12.5.7.9 – Assessment of Effects on Kitsumkalum First Nation Right to Self-Government<br>12.5.7.10 – Assessment of Effects on Kitsumkalum First Nation Use of the Sm'algyx Language<br>12.5.7.11 – Assessment of Effects on Kitsumkalum First Nation's Use of Trails and Travelways<br>12.5.7.12 – Assessment of Effects on Kitsumkalum First Nation Economic Opportunities<br>12.5.8.5 – Assessment of Effects on Kitselas First Nation Aboriginal Title<br>12.5.8.6 – Assessment of Effects on Kitselas First Nation Harvesting-Related Aboriginal Interests<br>12.5.8.7 – Assessment of Effects on Kitselas First Nation Cultural Wellbeing<br>12.5.8.8 – Assessment of Effects of Kitselas First Nation Right to Self-Government<br>12.5.8.9 – Assessment of Effects on Kitselas First Nation Use of Sm'algyx Language<br>12.5.8.10 – Assessment of Effects on Kitselas First Nation Use of Trails and Travelways<br>12.5.9.5 – Assessment of Effects on Gitga'at First Nation Harvesting-Related Aboriginal Interests<br>12.5.9.6 – Assessment of Effects Gitga'at First Nation Cultural Wellbeing<br>12.5.9.7 – Assessment of Effects on Gitga'at First Nation Traditional Governance<br>12.5.9.8 – Assessment of Effects on Gitga'at First Nation Use of Marine Travelways<br>12.5.9.9 – Assessment of Effects on Gitga'at First Nation Economic Opportunities | 12-226 – 12-229<br>12-229 – 12-231<br>12-232 – 12-233<br>12-234 – 12-236<br>12-236 – 12-238<br>12-242 – 12-244<br>12-245 – 12-258<br>12-258 – 12-266<br>12-266 – 12-268<br>12-268 – 12-270<br>12-270 – 12-273<br>12-277 – 12-291<br>12-292 – 12-301<br>12-301 – 12-303<br>12-303 – 12-306<br>12-306 – 12-12-307 |          |
| 12.5        | Aboriginal Interests | <ul style="list-style-type: none"> <li>A summary of any outstanding Aboriginal Interests issues identified by Schedule B Aboriginal Groups</li> </ul> | Part C      | 12.5.4.10 – Summary of Outstanding Aboriginal Interest Issues Identified by Lax Kw'alaams Band<br>12.5.5.13 – Summary of Outstanding Aboriginal Interests Issues Identified by Metlakatla First Nation<br>12.5.6.12 – Summary of Outstanding Aboriginal Interests Issues Identified by Gitxaala Nation<br>12.5.7.13 – Summary of Outstanding Aboriginal Interests Issues Identified by Kitsumkalum First Nation<br>12.5.8.11 – Summary of Outstanding Aboriginal Interests Issues Identified by Kitselas First Nation<br>12.5.9.10 – Summary of Outstanding Aboriginal Interests Issues Identified by Gitga'at First Nation  | 12-102<br>12-151<br>12-196<br>12-238<br>12-273<br>12-308  |          |

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|-------------|---------------------------|--|-------------|--|--|----------|
| No.         | Title                     |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 12.5        | Aboriginal Interests      | <ul style="list-style-type: none"><li>A summary of publicly available arrangements or agreements reached between Nexen and Schedule B Aboriginal Groups</li></ul>  | Part C      | 12.5.4.11 – Summary of Publicly-Available Arrangements or Agreements (Lax Kw'alaams Band)<br>12.5.5.14 – Summary of Publicly-Available Arrangements or Agreements (Metlakatla First Nation)<br>12.5.6.13 – Summary of Publicly-Available Arrangements or Agreements (Gitxaala Nation)<br>12.5.7.14 – Summary of Publicly-Available Arrangements or Agreements (Kitsumkalum First Nation)<br>12.5.8.12 – Summary of Publicly-Available Arrangements or Agreements (Kitselas First Nation)<br>12.5.9.11 – Summary of Publicly-Available Arrangements or Agreements (Gitga'at First Nation) | 12-102<br><br>12-151<br><br>12-196<br><br>12-238<br><br>12-273<br><br>12-308 |          |
| 12.4        | Accidents or Malfunctions | The Application will summarize the potential adverse effects caused by the potential accident or malfunction events identified in section 9 on the ability of Schedule B Aboriginal Groups to exercise the Aboriginal Interests identified in section 12.3.  | Part C      | 12.6 – Accidents or Malfunctions   | 12-308 – 12-313  |          |
| 12.5        | Other Matters of Concern  | The Application will:  | Part C      |  |  |          |
|             |                           | <ul style="list-style-type: none"><li>List the potential matters of concern raised by Schedule B Aboriginal Groups related to potential adverse environmental, economic, social, heritage and health effects of the proposed Project that are not addressed in Part B of the Application</li></ul> | Part C      | 12.7 – Other Matters of Concern  | 12-313   |          |
|             |                           | <ul style="list-style-type: none"><li>Provide a description (or summary if described elsewhere in the Application) of how these other matters of concern have been addressed, including mitigation measures</li></ul>  | Part C      | 12.7 – Other Matters of Concern  | 12-313   |          |
|             |                           | <ul style="list-style-type: none"><li>Provide a characterization of the residual adverse effects after mitigation, in a manner consistent with assessment methodology in the AIR</li></ul>   | Part C      | 12.7 – Other Matters of Concern  | 12-313   |          |
|             |                           | <ul style="list-style-type: none"><li>Describe how these matters of concern have been addressed from the perspective of the Proponent</li></ul>  | Part C      | 12.7 – Other Matters of Concern  | 12-313   |          |
| 12.6        | Issue Summary Table       | The Application will include a summary table in a format similar to Table 12-1 of the AIR that identifies Aboriginal Interests or other matters of concern to Aboriginal groups that may be impacted by the proposed Project, and the measures to avoid, mitigate or otherwise manage the effects. | Part C      | 12.8 – Issues Summary<br>Table 12.8-1<br>12.9 – Views of Aboriginal Groups on Part C<br>Table 12.9-1   | 12-314 – 12-320<br>12-315 – 12-320<br>12-321<br>12-323 – 12-339              |          |

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| AIR Section   |   | Description of Requirements of Relevant Section and/or Subsection   | Application |   |   | Appendix |
|---------------|---|---|-------------|---|---|----------|
| No.           | Title   |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| <b>PART D</b> | <b>PUBLIC INFORMATION DISTRIBUTION AND CONSULTATION</b> |   |             |   |   |          |
| <b>13</b>     | <b>Public Consultation</b>                              |   |             |   |   |          |
| 13.1          | Background Information                                  | <p>The Application will include:</p> <ul style="list-style-type: none"> <li>Identification of property owners, residents, local governments and other rights holders that are potentially impacted by the proposed Project</li> </ul>                   | Part D      |   |   |          |
|               |   | <ul style="list-style-type: none"> <li>Maps of local government boundaries, private land, tenures/authorizations, or residents with respect to the proposed Project</li> </ul>  | Part D      | Figure 13-1   | 13-4  |          |
|               |   | <ul style="list-style-type: none"> <li>Background information about each potentially affected municipality and/or stakeholder group</li> </ul>  | Part D      | 13-2 – Stakeholder Information<br>Table 13-1<br>13.2.1 – Regional and Local Government<br>13.2.2 – Residents, Landowners and Tenure Holders<br>13.2.3 – Community Organizations<br>13.2.4 – Business Groups<br>13.2.5 – Educational Institutions<br>13.2.6 – Other Stakeholders | 13-2 – 13-7<br>13-2 – 13-3<br>13-3 – 13-6<br>13-6<br>13-6<br>13-6<br>13-7<br>13-7 |          |
| 13.2          | Public Consultation                                     | <ul style="list-style-type: none"> <li>The following information will be provided on public consultation efforts:</li> </ul>  | Part D      |   |   |          |
| 13.2          | Public Consultation                                     | <ul style="list-style-type: none"> <li>A summary of the consultations undertaken and planned activities with the public and other key stakeholders, federal, provincial and local government agencies</li> </ul>  | Part D      | 13.3 – Summary of Public Consultation<br>Table 13-2   | 13-7 – 13-17<br>13-9 – 13-17  |          |
| 13.2          | Public Consultation                                     | <ul style="list-style-type: none"> <li>A summary of all concerns and issues identified during these consultations and how these matters were addressed, the status of resolution, and the identification of any proposed mitigation measures</li> </ul> | Part D      | 13.4 – Concerns and Issues Identified During Consultation<br>13.4.1 – Key Values<br>13.4.2 – Summary of Concerns and Issues Identified During Consultation<br>Table 13-3  | 13-18 – 13-22<br>13-18<br>13-18 – 13-21<br>13-19 – 13-21                          |          |

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| AIR Section |                     | Description of Requirements of Relevant Section and/or Subsection  | Application |  |  | Appendix |
|-------------|---------------------|--|-------------|--|--|----------|
| No.         | Title               |  | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 13.2        | Public Consultation | <ul style="list-style-type: none"><li>A review of concerns and issues identified during these consultations that were not assessed in Part B of the Application (e.g. private property values, social cohesion, quality of life), including a description of the issues, a discussion of how the issues were addressed, and the status of resolution</li></ul> | Part D      | 13.5 – Concerns and Issues Not Addressed in Part B of the Application<br>13.5.1 – Quality of life /Community Identity<br>13.5.1.1 – Description of Issue<br>13.5.1.2 – Issues Discussion<br>13.5.1.3 – Discussion of Potential Project interactions<br>13.5.1.4 – Proposed Mitigation or Management Measures<br>13.5.1.5 – Status of Issue<br>13.5.2 – Social Cohesion<br>13.5.2.1 – Description of Issue<br>13.5.2.2 – Issue Discussion<br>13.5.2.3 – Discussion of Potential Project interactions<br>13.5.2.4 – Proposed Mitigation or Management Measures<br>13.5.2.5 – Status of Issue<br>13.5.3 – Private Property Values<br>13.5.3.1 – Description of Issue<br>13.5.3.2 – Issue Discussion<br>13.5.3.3 – Discussion of Potential Project interactions<br>13.5.3.4 – Proposed Mitigation or Management Measures<br>13.5.3.5 – Status of Issue<br>13.5.4 – Cost of Living<br>13.5.4.1 – Description of Issue<br>13.5.4.2 – Issues Discussion<br>13.5.4.3 – Discussion of Potential Project interactions<br>13.5.4.4 – Proposed Mitigation or Management Measures<br>13.5.4.5 – Status of Issue | 13-23 – 13-34<br><br>13-23 – 13-27<br>13-23<br>13-24<br>13-24 – 13-26<br>13-25 – 13-26<br>13-27<br>13-27 – 13-30<br>13-27 – 13-28<br>13-28<br>13-28 – 13-29<br>13-29– 13-30<br>13-30<br>13-30 – 13-32<br>13-30<br>13-30 – 13-31<br>13-31<br>13-31 – 13-32<br>13-32<br>13-33 – 13-35<br>13-33<br>13-33<br>13-34<br>13-34 – 13-35<br>13-35 |          |
| 13.2        | Public Consultation | <ul style="list-style-type: none"><li>A summary of any proposed changes to the Public Consultation Plan as a result of feedback received during consultation, or from local governments, stakeholders or individuals</li></ul>   | Part D      | 13.6 – Public Consultation Plan and the Application Review Stage   | 13-35 – 13-38  |          |
| 13.2        | Public Consultation | <ul style="list-style-type: none"><li>A summary table identifying the concerns raised and resolution will also be provided, similar to Table 12-1 of the AIR.</li></ul>  | Part D      | 13.3 – Summary of Public Consultation<br>Table 13-2<br>Table 13-3  | 13-8 – 13-17<br>13-9 – 13-17<br>13-19 – 13-21  |          |

Table i-1      Concordance between Application Information Requirements (AIR) and the Application

| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection   | Application |   |  | Appendix |
|-------------|--|---|-------------|---|--|----------|
| No.         | Title  |   | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.   |          |
| PART E      |  | MANAGEMENT PLANS AND FOLLOW-UP PROGRAMS   |             |   |  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans |   |             |   |  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | The Application will provide a list and comprehensive description of the Environmental Management and Operational Plans for construction and operations of the proposed Project which will be refined during the Assessment of each VC. | Part E      | 14.3 – Air Quality Management Plan<br>14.4 – Greenhouse Gases Management Plan<br>14.5 – Noise Management Plan<br>14.6 – Invasive Plant Management Plan<br>14.7 – Wetland Compensation Plan<br>14.8 – Wildlife Management Plan<br>14.8.1 – Marbled Murrelet Management Plan<br>14.8.2 – Bat Management Plan<br>14.9 – Marine and Freshwater Resources Management Plan<br>14.10 – Fish Habitat Offsetting Plan<br>14.11 – Marine Activities Plan<br>14.12 – Social Management Plan<br>14.12.1 – Community Engagement Plan<br>14.12.2 – Worker Lodging Plan<br>14.12.3 – Transportation Management Plan<br>14.12.4 – Health and Medical Services Plan<br>14.13 – Archaeological and Heritage Resources Management Plan<br>14.14 – Waste Disposal Management Plan<br>14.15 – Health and Safety Management Plan<br>14.16 – Emergency Response Plan<br>14.17 – Decommissioning and Abandonment Plans<br>14.18 – Summary<br>Table 14-1 | 14-2<br>14-2<br>14-2<br>14-3<br>14-3<br>14-3 – 14-4<br>14-4<br>14-4<br>14-4<br>14-4<br>14-5<br>14-5 – 14-6<br>14-5 – 14-6<br>14-6<br>14-6<br>14-6<br>14-6<br>14-7<br>14-7<br>14-7<br>14-7 – 14-8<br>14-8 – 14-9<br>14-9 – 14-13<br>14-10 – 14-13 |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection   | Application |  |  | Appendix |
|-------------|--|---|-------------|--|--|----------|
| No.         | Title  |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.   |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | This will include the identification of any mitigation measures described in previous sections that will be included in the plans.  | Part E      | 14.3 – Air Quality Management Plan<br>14.4 – Greenhouse Gases Management Plan<br>14.5 – Noise Management Plan<br>14.6 – Invasive Plant Management Plan<br>14.7 – Wetland Compensation Plan<br>14.8 – Wildlife Management Plan<br>14.8.1 – Marbled Murrelet Management Plan<br>14.8.2 – Bat Management Plan<br>14.9 – Marine and Freshwater Resources Management Plan<br>14.10 – Fish Habitat Offsetting Plan<br>14.11 – Marine Activities Plan<br>14.12 – Social Management Plan<br>14.12.1 – Community Engagement Plan<br>14.12.2 – Worker Lodging Plan<br>14.12.3 – Transportation Management Plan<br>14.12.4 – Health and Medical Services Plan<br>14.13 – Archaeological and Heritage Resources Management Plan<br>14.14 – Waste Disposal Management Plan<br>14.15 – Health and Safety Management Plan<br>14.16 – Emergency Response Plan<br>14.17 – Decommissioning and Abandonment Plans | 14-2<br>14-2<br>14-2<br>14-3<br>14-3<br>14-3 – 14-4<br>14-4<br>14-4<br>14-4+<br>14-4<br>14-5<br>14-5 – 14-6<br>14-5 – 14-6<br>14-6<br>14-6<br>14-6<br>14-6<br>14-7<br>14-7<br>14-7<br>14-7 – 14-8<br>14-8 – 14-9 |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | Additionally, the Application will provide a summary table that will link the Environmental Management and Operational Plans to effects assessed in the Application, and to concurrent or post EA permits and authorizations. | Part E      | 14.18 – Summary<br>Table 14-1  | 14-9 – 14-13<br>14-10 – 14-13  |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection                             | Application |  |   | Appendix |
|-------------|--|---|-------------|--|---|----------|
| No.         | Title  |   | Volume      | Section No. (to the lowest sub-section no.) and Title  | Page No.  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | Per the AIR, the following Management Plans were considered for inclusion in the Application: | Part E      | 14.3 – Air Quality Management Plan<br>14.4 – Greenhouse Gases Management Plan<br>14.5 – Noise Management Plan<br>14.6 – Invasive Plant Management Plan<br>14.7 – Wetland Compensation Plan<br>14.8 – Wildlife Management Plan<br>14.8.1 – Marbled Murrelet Management Plan<br>14.8.2 – Bat Management Plan<br>14.9 – Marine and Freshwater Resources Management Plan<br>14.10 – Fish Habitat Offsetting Plan<br>14.11 – Marine Activities Plan<br>14.12 – Social Management Plan<br>14.12.1 – Community Engagement Plan<br>14.12.2 – Worker Lodging Plan<br>14.12.3 – Transportation Management Plan<br>14.12.4 – Health and Medical Services Plan<br>14.13 – Archaeological and Heritage Resources Management Plan<br>14.14 – Waste Disposal Management Plan<br>14.15 – Health and Safety Management Plan<br>14.16 – Emergency Response Plan<br>14.17 – Decommissioning and Abandonment Plans | 14-2<br>14-2<br>14-2<br>14-3<br>14-3<br>14-3 – 14-4<br>14-4<br>14-4<br>14-4<br>14-4<br>14-4<br>14-5<br>14-5 – 14-6<br>14-5 – 14-6<br>14-6<br>14-6<br>14-6<br>14-6<br>14-7<br>14-7<br>14-7<br>14-7 – 14-8<br>14-8 – 14-9 |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Air Quality Management Plan   | Part E      | 14.3 – Air Quality Management Plan   | 14-2  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Archaeological and Heritage Resources Management Plan                                       | Part E      | 14.13 – Archaeological and Heritage Resources Management Plan  | 14-7  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Waste Management Plan   | Part E      | 14.14 – Waste Disposal Management Plan   | 14-7  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Emergency Response Plan   | Part E      | 14.16 – Emergency Response Plan  | 14-7 – 14-8   |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ GHG Management Plan   | Part E      | 14.4 – Greenhouse Gases Management Plan  | 14-2  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Health and Safety Management Plan   | Part E      | 14.15 – Health and Safety Management Plan  | 14-7  |          |

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| AIR Section |  | Description of Requirements of Relevant Section and/or Subsection  | Application |   |   | Appendix |
|-------------|--|--|-------------|---|---|----------|
| No.         | Title  |  | Volume      | Section No. (to the lowest sub-section no.) and Title   | Page No.  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Invasive Plant Management Plan   | Part E      | 14.6 – Invasive Plant Management Plan   | 14-3  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Marine Activities Plan   | Part E      | 14.11 – Marine Activities Plan  | 14-5  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Marine and Freshwater Resources Management Plan  | Part E      | 14.9 – Marine and Freshwater Resources Management Plan  | 14-4  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Noise Management Plan  | Part E      | 14.5 – Noise Management Plan  | 14-2  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Social Management Plan   | Part E      | 14.12 – Social Management Plan<br>14.12.1 – Community Engagement Plan<br>14.12.2 – Worker Lodging Plan<br>14.12.3 – Transportation Management Plan<br>14.12.4 – Health and Medical Services Plan  | 14-5 – 14-6<br>14-5 – 14-6<br>14-6<br>14-6<br>14-6          |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Wetland Compensation Plan  | Part E      | 14.7 – Wetland Compensation Plan  | 14-3  |          |
| 14          | Summary of Proposed Environmental and Operational Management Plans | ▪ Wildlife Management Plan   | Part E      | 14.8 – Wildlife Management Plan<br>14.8.1 – Marbled Murrelet Management Plan<br>14.8.2 – Bat Management Plan  | 14-3 – 14-4<br>14-4<br>14-4                                 |          |
| 15          | Summary of Follow-up Programs and Compliance Reporting             |  |             |   |   |          |
| 15          | Summary of Follow-up Programs and Compliance Reporting             | The Application will provide a description of the proposed monitoring and follow-up programs, including the activities, objectives and reporting, in sufficient detail to reliably verify predicted effects (or absence of them) and to confirm both the assumptions and the effectiveness of mitigation.  | Part E      | 15.2 – Follow-up Programs<br>15.2.1 – Great Blue Heron Rookery<br>15.2.2 – Acidification and Eutrophication<br>15.2.3 – Marine Sediment Deposition Monitoring Program   | 15-1 – 15-3<br>15-2<br>15-2<br>15-3                         |          |
| 15          | Summary of Follow-up Programs and Compliance Reporting             | The Application will provide a clear description of the reporting structure as identified within the Environment Management Programs (EMPs) and monitoring plans. Where applicable, the Application will make reference to proposed environmental assessment certificate conditions and monitoring required for all permits, authorizations and licenses once granted. | Part E      | 15.3 – Compliance Monitoring and Reporting<br>15.3.1 – Wetland Compensation<br>15.3.2 – Invasive Species<br>15.3.3 – Air Quality<br>15.3.4 – Greenhouse Gas Emissions<br>15.3.5 – Fish Habitat Offsetting Plan<br>15.3.6 – Marine Water Quality | 15-3 – 15-5<br>15-4<br>15-4<br>15-4<br>15-4<br>15-4<br>15-5 |          |

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| AIR Section   |                    | Description of Requirements of Relevant Section and/or Subsection   | Application |   |  | Appendix |
|---------------|--------------------|---|-------------|---|--|----------|
| No.           | Title              |   | Volume      | Section No. (to the lowest sub-section no.) and Title | Page No.                                 |          |
| <b>PART F</b> | <b>CONCLUSIONS</b> |   |             |   |  |          |
| <b>16</b>     | <b>Conclusions</b> |   |             |   |  |          |
|               |                    | The Application will:   | Part F      |   |  |          |
|               |                    | <ul style="list-style-type: none"> <li>Provide a statement on the overall significance of the proposed Project's environmental, economic, social, heritage, and health effects and the Proponent's ability to mitigate any residual effects.</li> </ul>   | Part F      | 16 – Conclusions                                      | 16-1 – 16-2                              |          |
|               |                    | <ul style="list-style-type: none"> <li>Provide a statement on the significance of residual effects, or with respect to section 5(1) and 5(2) of CEAA 2012 considerations, a conclusion regarding the adequacy of proposed mitigation measures.</li> </ul>   | Part F      | 16 – Conclusions                                      | 16-1 – 16-2                              |          |
|               |                    | <ul style="list-style-type: none"> <li>Request an environmental assessment certificate from the Government of British Columbia and a decision under section 52 of CEAA 2012 from the Canadian Minister of the Environment.</li> </ul>   | Part F      | 16 – Conclusions                                      | 16-2                                     |          |
|               |                    | <ul style="list-style-type: none"> <li>Confirm the need to successfully complete subsequent permitting/authorization processes prior to proceeding with the proposed Project's construction, operations, and decommissioning.</li> </ul>  | Part F      | 16 – Conclusions                                      | 16-2                                     |          |
|               |                    | The Application will summarize all potential residual effects, including cumulative residual effects, in a table (in a format similar to Table 16-1 of the AIR) that depicts the potential effect, project phases, project activity or physical work linked to the effect, proposed mitigation and significance of effect on VCs.   | Part F      | 16 – Conclusions                                      | 16-3 – 16-15<br>Table 16-1<br>Table 16-2 |          |
| <b>17</b>     | <b>References</b>  |   |             |   |  |          |
|               |                    | Nexen will provide a list of reference material used in developing the Application.   | Part F      | Part F  |  |          |
| <b>18</b>     | <b>Appendices</b>  |   |             |   |  |          |
|               |                    | This section of the Application will include the appendices referenced in the Application. Information prepared by professionals and provided under their professional seal will be identified in the Application and the related sealed studies will be included in an Appendix.   | Part F      |   |  |          |
|               |                    | <p>The Application will include an appendix that summarizes how all subsection 5(1), 5(2) and 19(1) requirements of CEAA 2012 have been considered as part of the assessment for the purposes of substitution. The summary will be in the table format shown below (Table 18-1 of the AIR) and will include:</p> <ul style="list-style-type: none"> <li>A description of how each environmental effect listed in section 5 of CEAA 2012 was considered in the Application</li> <li>An explanation of potential environmental effects as described in section 5 of CEAA 2012, including cumulative effects, where relevant</li> <li>A list of mitigation measures that are being proposed to reduce these effects</li> <li>Significance of residual effects, or with respect to section 5(1)(c) considerations, a conclusion regarding the adequacy of proposed mitigation measures</li> <li>Recommendations from the Proponent on any follow-up program elements</li> <li>How the factors to be considered under section 19(1) of CEAA 2012 were taken into account as part of the assessment and the conclusions drawn for each factor</li> <li>Reference to the section in the Application where additional information requirements addressing sections 5 and 19(1) of CEAA 2012 can be found</li> </ul> | Part F      |   | 18-1 – 18-10                             |          |